



EA Engineering, Science, and Technology, Inc.

Airport Professional Park
2350 Post Road
Warwick, Rhode Island 02886
Telephone: 401-736-3440
Fax: 401-736-3423
www.eaest.com

19 May 2006

TECHNICAL MEMORANDUM

TO: Alan Sepe
Director

AFFILIATION: City of Providence
Department of Public Property

FROM: Peter Grivers, P.E.

AFFILIATION: EA–Warwick

SUBJECT: Debris Pile Assessment – Former Gorham Manufacturing Facility
333 Adelaide Avenue
Providence, Rhode Island
EA Project No. 61965.01.0018

1. BACKGROUND AND SCOPE OF WORK

EA Engineering, Science, and Technology, Inc. (EA) was contracted by the City of Providence to perform preliminary assessment activities relative to an existing debris pile located to the north of the existing Stop and Shop detention basin at the Former Gorham Manufacturing Facility in Providence, Rhode Island (the site). The purpose of the preliminary assessment is to estimate the volume and contents of the debris pile to facilitate off-site disposal, and to develop specifications for disposal subcontractor bidding. To accomplish these tasks, EA completed the following scope of work:

1. Various field measurements and visual classification of the debris pile
2. Completion of 18 test pits at representative locations within the debris pile
3. Collection of 5 soil samples and associated laboratory analysis for various disposal characteristics and potential contaminants, including flashpoint, corrosivity, reactivity, PCBs, VOCs, SVOCs, TPH, and RCRA-8 Metals
4. Visual inspection of the test pits and debris pile for suspect asbestos-containing building materials (SACBMs) and collection and associated laboratory analysis of 7 soil samples for asbestos content
5. Visual inspection of debris for SACBMs and collection and associated laboratory analysis of 13 SACBM samples for asbestos content.



2. SUMMARY OF DEBRIS PILE ASSESSMENT

2.1 Volume

On 12 May 2006, EA collected various length, width, and height measurements of the debris pile at the site. To increase the accuracy of the volume estimation, measurements for each discrete area of the debris pile were collected. Each discrete area was assigned an alphabetic label. A sketch of the debris pile, illustrating the various discrete areas of the debris pile and a worksheet with the associated length, width, and height of each area is provided in Attachment A. The total estimated volume of the debris pile (excluding peripheral areas entirely consisting of roofing shingles, discarded appliances, and other misc. garbage) is approximately 5,500 cubic yards. The estimated volume of debris within the peripheral areas of garbage, roofing shingles, and discarded appliances is approximately 160 cubic yards.

2.2 Content of Debris Pile

Based upon visual inspection, all areas of the debris pile with the exception of Areas D, G, and J, consist mostly of brown fine to medium sand, coarse sand, fine-medium gravel, red brick, some concrete, traces of metallic debris, and traces of wood fragments. Area D consists of various debris, including carpeting, tree limbs, roofing shingles, tires, and appliances. Area G consists of red brick, wood debris, roofing shingles, yard waste, and slate roofing material. Area J consists of landscaping waste, wood debris, carpeting, roofing shingles, fencing materials, and some miscellaneous car parts.

Laboratory data for the 5 soil samples collected from various representative locations across the debris pile (excluding Areas D, G, and J) is provided in Attachment B. All soil laboratory data is in compliance with RIDEM's Industrial/Commercial Direct Exposure Criteria with the exception of arsenic in 1 soil sample collected from Area A and one semi-volatile organic compound [benzo(a)pyrene] in each of the 5 samples collected. None of the soil samples collected for asbestos content indicated the presence of asbestos.

With respect to the 13 SACBM samples submitted for asbestos analysis (sheet rock, roofing shingles, etc.), only 1 sample of black lexonite residual material indicated the presence of asbestos. The laboratory data for the samples submitted for asbestos analysis is provided in Attachment B. The estimated volume of asbestos containing material is 1 cubic yard.



3. SOLICITATION OF DISPOSAL PRICING

This Tech Memo and the associated volume estimates and laboratory analytical data will be forwarded to the City's General Contractor for solicitation of pricing to dispose the debris pile. The pricing should include all labor, equipment, materials, subcontractors, and associated costs to properly dispose of the debris pile in accordance with all applicable regulations. On behalf of the City, EA will review all price estimates and assist the City with subcontractor selection, scheduling, coordination, and all applicable regulatory compliance requirements.

If you have any questions regarding this Technical Memorandum, please contact either Peter Grivers or Tim Regan at 401-736-3440.

PMG/tr

Attachments

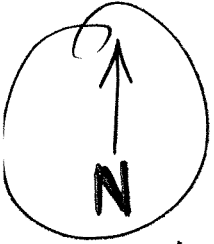
cc: T. Regan, EA
P. Collins, H.V. Collins

Attachment A

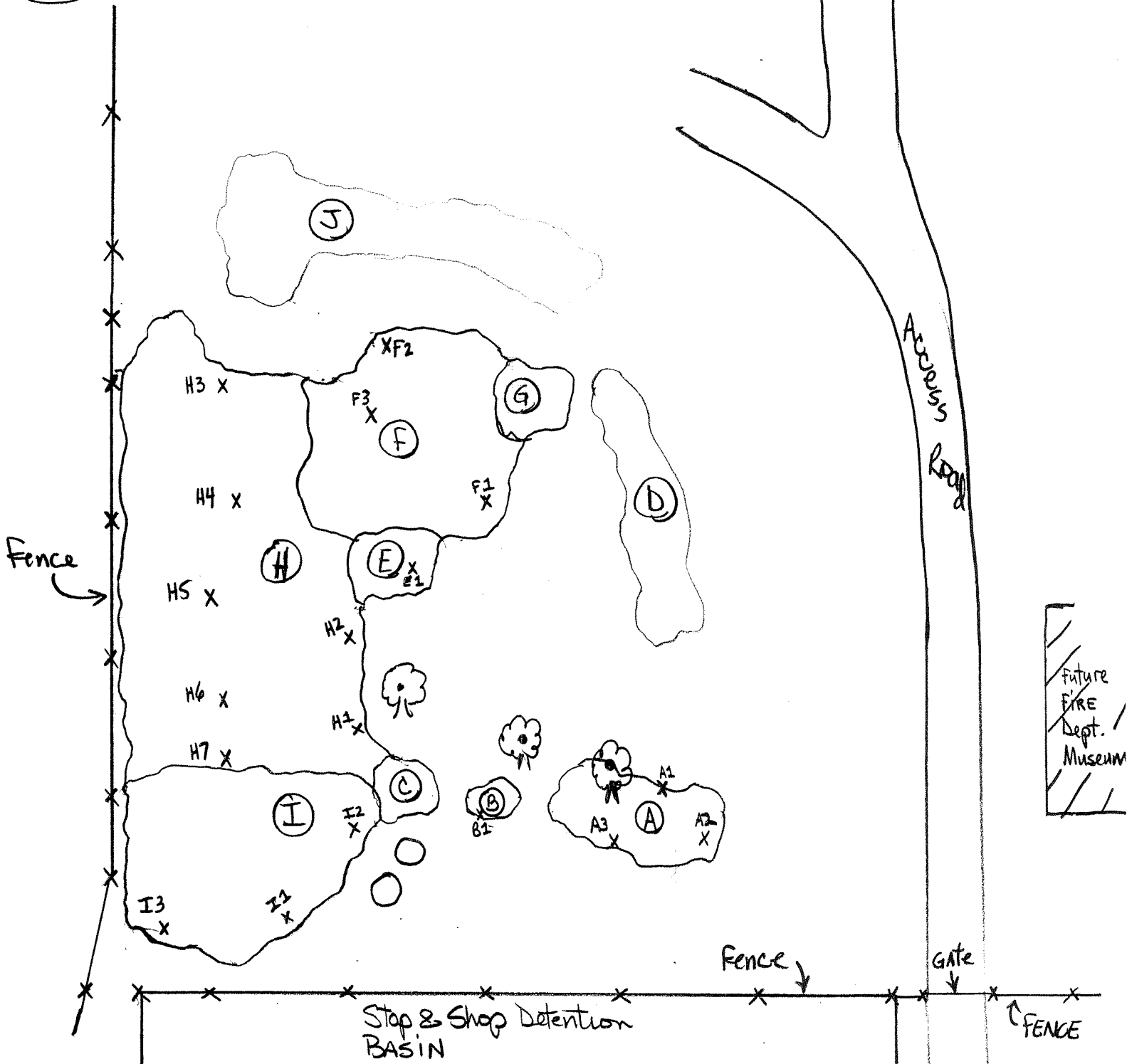
Debris Pile Sketch and Estimated Volume



Project Gorham Project No. 6196501
 Subject Debris Pile - Rear of Stop & Shop Sheet No. 1 of 2
 Computed by QMH Date 5-19-06 Checked by _____ Date _____



Approx Scale: 1" = 40'





Project Gorham Project No. 6196501
Subject Debris Pile - Rear of S&S Sheet No. 2 of 2
Drawing No. _____
Computed by PMY Date 5-19-06 Checked by TR Date 5/19/06

Debris Pile Dimensions:

- (A) $45' L \times 20' W \times (10' \text{ max height} \times \frac{1}{2}) = 4500 \text{ ft}^3$
- (B) $10' L \times 15' W \times (4' \times \frac{1}{2}) = 300 \text{ ft}^3$
- (C) $15' L \times 15' W \times (5' \times \frac{1}{2}) = 563 \text{ ft}^3$
- (D) $120' L \times 20' W \times 1' = 2400 \text{ ft}^3$ (Const. Debris, Misc Garbage)
- (E) $15' L \times 12' W \times (8' \times \frac{1}{2}) = 720 \text{ ft}^3$
- (F) $35' L \times 35' W \times (20 \text{ h} \times \frac{1}{2}) = 12,250 \text{ ft}^3$
- (G) $15' L \times 20' W \times (5' \times \frac{1}{2}) = 750 \text{ ft}^3$ (Shingles, Const. Debris)
- (H) $135' L \times 70' W \times (20' \times \frac{1}{2}) = 94,500 \text{ ft}^3$
- (I) $70' L \times 40' W \times (25' \times \frac{1}{2}) = 35,000 \text{ ft}^3$
- (J) $80' L \times 15' W \times (1' \text{ height}) = 1200 \text{ ft}^3$ (Const. Debris, Misc. Garbage)

* Total Volume, excluding areas D, G, J =

$$4500 + 300 + 563 + 720 + 12,250 + 94,500 + 35,000 = 147,833 \text{ ft}^3$$

$$\Rightarrow \underline{147,833 \text{ ft}^3} = \underline{5,475 \text{ yd}^3}$$

* Volume of areas D, G, & J $\Rightarrow 2400 + 750 + 1200 = 4350 \text{ ft}^3$

$$\Rightarrow \underline{4350 \text{ ft}^3} = \underline{161 \text{ yd}^3}$$

Attachment B
Laboratory Data



R.I. Analytical

Specialists in Environmental Services

Page 1 of 3

CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Attn: Mr. Daniel Simas
41 Illinois Avenue
Warwick, RI 02888

Date Received: 5/12/2006
Date Reported: 5/15/2006
Work Order #: 0605-08360

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

METHODOLOGY: Polarized Light Microscopy (PLM) as suggested by EPA/600/R-93/116, July 1993 edition.

If the samples are found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the samples will be homogenized and a single result will be provided for the entire sample.

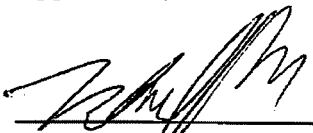
Sample results pertain only to items tested. The report must not be reproduced except in full with permission of R.I. Analytical. Samples submitted for analysis will be retained for three months for your future reference.

Our laboratory maintains NVLAP accreditation for bulk asbestos fiber analysis NVLAP lab code 101440-0.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.


Approved by: \



Data Reporting

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
 Date Received: 5/12/2006
 Work Order #: 0605-08360
 Site Location: PROJECT# 060222 GORHAM MILLS TEST PITS


Approved by: 
 Data Reporting

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
001	01A GREEN SHINGLE PILE D	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Green	5/15/2006	EDN
002	01B TAR PAPER UNDER 01A	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN
003	03A SHEET ROCK FROM PILE G	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Cellulose	3-5 %	5/15/2006	EDN
		Non-fibrous	95-97 %	5/15/2006	EDN
		Sample Color	Gray	5/15/2006	EDN
004	04A 12x12 FT, PILE G	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Tan	5/15/2006	EDN
005	05 LEXONITE RESIDUAL	PLM FIBER ANALYSIS			
		ASBESTOS	POSITIVE	5/15/2006	EDN
		Chrysotile	15-25 %	5/15/2006	EDN
		Non-fibrous	75-85 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN
006	06A RED ROOF SHINGLES, PILE J	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN
007	06B RED/GREEN SHINGLE	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Glass Fiber	3-5 %	5/15/2006	EDN
		Non-fibrous	95-97 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN

R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Date Received: 5/12/2006
Work Order #: 0605-08360
Site Location: PROJECT# 060222 GORHAM MILLS TEST PITS

Approved by: 

Data Reporting

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
008	07A GRAY ROOF SHINGLES, PILE I	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN
009	07B DARK GRAY SHINGLE	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN
010	08A BROWN ROOF SHINGLES, PILE J	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Glass Fiber	5-10 %	5/15/2006	EDN
		Non-fibrous	90-95 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN
011	08B BROWN/GRAY PILE J	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Black	5/15/2006	EDN
012	09A BROWN SKIM COAT, PILE J	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN
013	09B POPCORN FINISH, PILE J	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	White	5/15/2006	EDN



R.I. Analytical

Specialists in Environmental Services

Page 1 of 2

CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
Attn: Mr. Dan Simas
41 Illinois Avenue
Warwick, RI 02888

Date Received: 5/12/2006
Date Reported: 5/15/2006
Work Order #: 0605-08358

Enclosed please find your sample(s) analysis results for asbestos content. The six asbestos types include amosite, chrysotile, crocidolite, anthophyllite, tremolite, and actinolite.

METHODOLOGY: Polarized Light Microscopy (PLM) as suggested by EPA/600/R-93/116, July 1993 edition.

If the samples are found to be inhomogeneous, individual components will be analyzed separately. If individual components cannot be separated, the samples will be homogenized and a single result will be provided for the entire sample.

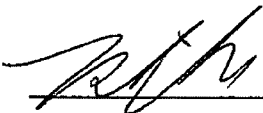
Sample results pertain only to items tested. The report must not be reproduced except in full with permission of R.I. Analytical. Samples submitted for analysis will be retained for three months for your future reference.

Our laboratory maintains NVLAP accreditation for bulk asbestos fiber analysis NVLAP lab code 101440-0.

This report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government.

If you have any questions regarding this report, or if we may be of further assistance, please contact us.

Approved by:




Data Reporting



R.I. Analytical Laboratories, Inc.
CERTIFICATE OF ANALYSIS

R.I. Analytical (EAM Division)
 Date Received: 5/12/2006
 Work Order #: 0605-08358
 Site Location: PROJECT# 060222 GORHAM MILLS TEST PITS (SEVENS SOILS)

Approved by: 
 Data Reporting

METHOD: EPA/600/R-93-116

SAMPLE NO.	SAMPLE DESCRIPTION	PARAMETER	SAMPLE RESULTS / UNITS	DATE ANALYZED	ANALYST
001	01 SOIL, PILE A	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN
002	02 PILE B	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN
003	03 PILE C	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN
004	04 PILE E	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN
005	05 PILE F	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN
006	06 PILE H	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN
007	07 PILE I	PLM FIBER ANALYSIS			
		ASBESTOS	NEGATIVE	5/15/2006	EDN
		Non-fibrous	100 %	5/15/2006	EDN
		Sample Color	Brown	5/15/2006	EDN

NOTE: SAMPLES MUST BE KEPT IN A SEALED CONTAINER AT ALL TIMES

R. I. ANALYTICAL LABORATORIES, INC.

41 Illinois Avenue · Warwick, Rhode Island 02888 131 Coolidge Street Bldg 2 Hudson, MA 01749
 (401) 737-8500 Fax (401) 738-1970 (978) 568-0041 Fax (978) 568-0078

Analysis Required

Date Collected	Time Collected	Sample ID	Sample Type	PLM	Remarks	Total # of Cont.
5/12/82	10:00A	01 Soil, Pit A	ASB	X	Garbage Pits	1
↓	↓	02 Pit B	↓	↓	Mills	1
↓	↓	03 Pit C	↓	↓		1
↓	↓	04 Pit E	↓	↓		1
↓	↓	05 Pit F	↓	↓		1
↓	↓	06 Pit H	↓	↓		1
↓	↓	07 Pit I	↓	↓		1
					Total Numbers of Cont.	7

Company Name: RIAL (EAM) P.O. #

Address: 40 Illinois Ave.

City / State / Zip: Warwick, RI 02888

Phone / Fax:

Contact: Don Simos

Relinquished by: [Signature]

Date / Time: 5/12/82 4:15

Received by: Don Simos

Date / Time: 5/15/82

Received by: [Signature]

Relinquished by:

Date / Time:

Received by:

Collected by: Joe Lepore

Turn Around Time: Normal Rush 2-3 days

Comments: * SAMPLES ARE RETAINED WITHIN THE LAB FOR A PERIOD OF THREE MONTHS, AFTER WHICH THEY ARE DISPOSED OF AT AN EPA APPROVED ASBESTOS LANDFILL. IF THE CLIENT WISHES TO RETAIN SAMPLES AFTER ANALYSIS, REQUESTS MUST BE MADE PRIOR TO THE THREE MONTH PERIOD.

EAM # 060222

Total Numbers of Cont. 7

RIAL: 0605-08358

- Pick-Up Only

- Sampled _____ Hours

- Shipped on Ice

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>
Arsenic	15.3	mg/kg dry	1.7	7060A	5	SVD	05/13/06	1.75	100
Barium	43.7	mg/kg dry	3.3	6010B	1	JP	05/12/06	1.75	100
Cadmium	ND	mg/kg dry	0.66	6010B	1	JP	05/12/06	1.75	100
Chromium	21.9	mg/kg dry	1.3	6010B	1	JP	05/12/06	1.75	100
Lead	141	mg/kg dry	6.6	6010B	1	JP	05/12/06	1.75	100
Mercury	0.680	mg/kg dry	0.035	7471A	1	JP	05/13/06	0.66	40
Selenium	ND	mg/kg dry	6.6	6010B	1	JP	05/12/06	1.75	100
Silver	25.5	mg/kg dry	0.66	6010B	1	JP	05/12/06	1.75	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 26.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1,1,2-Tetrachloroethane	ND	ug/Kg dry	81.8	52.4000	1	05/16/06
1,1,1-Trichloroethane	ND	ug/Kg dry	40.9	19.6000	1	05/16/06
1,1,2,2-Tetrachloroethane	ND	ug/Kg dry	40.9	23.0000	1	05/16/06
1,1,2-Trichloroethane	ND	ug/Kg dry	40.9	34.4000	1	05/16/06
1,1-Dichloroethane	ND	ug/Kg dry	40.9	23.0000	1	05/16/06
1,1-Dichloroethene	ND	ug/Kg dry	40.9	18.0000	1	05/16/06
1,1-Dichloropropene	ND	ug/Kg dry	40.9	14.8000	1	05/16/06
1,2,3-Trichlorobenzene	ND	ug/Kg dry	40.9	18.0000	1	05/16/06
1,2,3-Trichloropropane	ND	ug/Kg dry	40.9	41.0000	1	05/16/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	40.9	16.4000	1	05/16/06
1,2,4-Trimethylbenzene	ND	ug/Kg dry	40.9	18.0000	1	05/16/06
1,2-Dibromo-3-Chloropropane	ND	ug/Kg dry	205	163.6000	1	05/16/06
1,2-Dibromoethane	ND	ug/Kg dry	40.9	16.4000	1	05/16/06
1,2-Dichlorobenzene	ND	ug/Kg dry	40.9	16.4000	1	05/16/06
1,2-Dichloroethane	ND	ug/Kg dry	40.9	19.6000	1	05/16/06
1,2-Dichloropropane	ND	ug/Kg dry	40.9	23.0000	1	05/16/06
1,3,5-Trimethylbenzene	ND	ug/Kg dry	40.9	21.2000	1	05/16/06
1,3-Dichlorobenzene	ND	ug/Kg dry	40.9	18.0000	1	05/16/06
1,3-Dichloropropane	ND	ug/Kg dry	40.9	14.8000	1	05/16/06
1,4-Dichlorobenzene	ND	ug/Kg dry	40.9	21.2000	1	05/16/06
1,4-Dioxane - Screen	ND	ug/Kg dry	4090	3920.0000	1	05/16/06
1-Chlorohexane	ND	ug/Kg dry	40.9	19.6000	1	05/16/06
2,2-Dichloropropane	ND	ug/Kg dry	81.8	37.6000	1	05/16/06
2-Butanone	ND	ug/Kg dry	1020	334.0000	1	05/16/06
2-Chlorotoluene	ND	ug/Kg dry	40.9	23.0000	1	05/16/06
2-Hexanone	ND	ug/Kg dry	409	81.8000	1	05/16/06
4-Chlorotoluene	ND	ug/Kg dry	40.9	19.6000	1	05/16/06
4-Isopropyltoluene	ND	ug/Kg dry	40.9	19.6000	1	05/16/06
4-Methyl-2-Pentanone	ND	ug/Kg dry	409	103.2000	1	05/16/06
Acetone	ND	ug/Kg dry	1020	696.0000	1	05/16/06
Benzene	ND	ug/Kg dry	40.9	23.0000	1	05/16/06
Bromobenzene	ND	ug/Kg dry	40.9	16.4000	1	05/16/06
Bromochloromethane	ND	ug/Kg dry	40.9	24.6000	1	05/16/06
Bromodichloromethane	ND	ug/Kg dry	40.9	21.2000	1	05/16/06
Bromoform	ND	ug/Kg dry	40.9	18.0000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 26.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	J	28.6	ug/Kg dry	81.8	16.4000	1	05/16/06
Carbon Disulfide		ND	ug/Kg dry	40.9	19.6000	1	05/16/06
Carbon Tetrachloride		ND	ug/Kg dry	40.9	21.2000	1	05/16/06
Chlorobenzene		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Chloroethane		ND	ug/Kg dry	81.8	49.2000	1	05/16/06
Chloroform		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Chloromethane		ND	ug/Kg dry	81.8	24.6000	1	05/16/06
cis-1,2-Dichloroethene		ND	ug/Kg dry	40.9	23.0000	1	05/16/06
cis-1,3-Dichloropropene		ND	ug/Kg dry	40.9	16.4000	1	05/16/06
Dibromochloromethane		ND	ug/Kg dry	40.9	13.0000	1	05/16/06
Dibromomethane		ND	ug/Kg dry	40.9	21.2000	1	05/16/06
Dichlorodifluoromethane		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Diethyl Ether		ND	ug/Kg dry	40.9	23.0000	1	05/16/06
Di-isopropyl ether		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Ethyl tertiary-butyl ether		ND	ug/Kg dry	40.9	16.4000	1	05/16/06
Ethylbenzene		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Hexachlorobutadiene		ND	ug/Kg dry	40.9	36.0000	1	05/16/06
Isopropylbenzene		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Methyl tert-Butyl Ether		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Methylene Chloride	J	31.9	ug/Kg dry	205	31.2000	1	05/16/06
Naphthalene		ND	ug/Kg dry	40.9	13.0000	1	05/16/06
n-Butylbenzene		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
n-Propylbenzene		ND	ug/Kg dry	40.9	16.4000	1	05/16/06
sec-Butylbenzene		ND	ug/Kg dry	40.9	19.6000	1	05/16/06
Styrene		ND	ug/Kg dry	40.9	19.6000	1	05/16/06
tert-Butylbenzene		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Tertiary-amyl methyl ether		ND	ug/Kg dry	40.9	23.0000	1	05/16/06
Tetrachloroethene		ND	ug/Kg dry	40.9	19.6000	1	05/16/06
Tetrahydrofuran		ND	ug/Kg dry	205	163.6000	1	05/16/06
Toluene		ND	ug/Kg dry	40.9	21.2000	1	05/16/06
trans-1,2-Dichloroethene		ND	ug/Kg dry	40.9	26.2000	1	05/16/06
trans-1,3-Dichloropropene		ND	ug/Kg dry	40.9	19.6000	1	05/16/06
Trichloroethene		ND	ug/Kg dry	40.9	18.0000	1	05/16/06
Trichlorofluoromethane		ND	ug/Kg dry	40.9	21.2000	1	05/16/06
Vinyl Acetate		ND	ug/Kg dry	205	31.2000	1	05/16/06
Vinyl Chloride		ND	ug/Kg dry	40.9	19.6000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 26.6
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	ug/Kg dry	40.9	14.8000	1	05/16/06
Xylene P,M	ND	ug/Kg dry	81.8	39.2000	1	05/16/06
Xylenes (Total)	ND	ug/Kg	123			05/16/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	102 %		70-130
Surrogate: 4-Bromofluorobenzene	103 %		70-130
Surrogate: Dibromofluoromethane	113 %		70-130
Surrogate: Toluene-d8	112 %		70-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 20.9
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: SEP
Prepared: 05/12/06

8082 Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Aroclor 1016	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1221	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1232	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1242	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1248	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1254	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1260	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1262	ND	ug/Kg dry	55.6	38.0000	1	05/15/06
Aroclor 1268	ND	ug/Kg dry	55.6	38.0000	1	05/15/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: Decachlorobiphenyl	92 %		30-150
Surrogate: Decachlorobiphenyl [2C]	104 %		30-150
Surrogate: Tetrachloro-m-xylene	92 %		30-150
Surrogate: Tetrachloro-m-xylene [2C]	99 %		30-150

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 29.5
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: JLS
Prepared: 05/12/06

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Total Petroleum Hydrocarbons	88.4	mg/kg dry	29.6	4.7200	1	05/15/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: O-Terphenyl	84 %		40-140

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 29.5
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1-Biphenyl	ND	ug/Kg dry	394	40.2000	1	05/15/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	394	51.6000	1	05/15/06
1,2-Dichlorobenzene	ND	ug/Kg dry	394	44.4000	1	05/15/06
1,3-Dichlorobenzene	ND	ug/Kg dry	394	46.8000	1	05/15/06
1,4-Dichlorobenzene	ND	ug/Kg dry	394	44.2000	1	05/15/06
2,3,4,6-Tetrachlorophenol	ND	ug/Kg dry	1970	54.4000	1	05/15/06
2,4,5-Trichlorophenol	ND	ug/Kg dry	394	73.4000	1	05/15/06
2,4,6-Trichlorophenol	ND	ug/Kg dry	394	41.2000	1	05/15/06
2,4-Dichlorophenol	ND	ug/Kg dry	394	46.2000	1	05/15/06
2,4-Dimethylphenol	ND	ug/Kg dry	394	33.2000	1	05/15/06
2,4-Dinitrophenol	ND	ug/Kg dry	1970	458.0000	1	05/15/06
2,4-Dinitrotoluene	ND	ug/Kg dry	394	59.2000	1	05/15/06
2,6-Dinitrotoluene	ND	ug/Kg dry	394	41.2000	1	05/15/06
2-Chloronaphthalene	ND	ug/Kg dry	394	42.6000	1	05/15/06
2-Chlorophenol	ND	ug/Kg dry	394	52.8000	1	05/15/06
2-Methylnaphthalene	ND	ug/Kg dry	394	39.0000	1	05/15/06
2-Methylphenol	ND	ug/Kg dry	394	28.4000	1	05/15/06
2-Nitroaniline	ND	ug/Kg dry	394	51.4000	1	05/15/06
2-Nitrophenol	ND	ug/Kg dry	394	42.4000	1	05/15/06
3,3'-Dichlorobenzidine	ND	ug/Kg dry	789	52.8000	1	05/15/06
3+4-Methylphenol	ND	ug/Kg dry	789	36.8000	1	05/15/06
3-Nitroaniline	ND	ug/Kg dry	394	49.6000	1	05/15/06
4,6-Dinitro-2-Methylphenol	ND	ug/Kg dry	1970	48.2000	1	05/15/06
4-Bromophenyl-phenylether	ND	ug/Kg dry	394	60.4000	1	05/15/06
4-Chloro-3-Methylphenol	ND	ug/Kg dry	394	53.2000	1	05/15/06
4-Chloroaniline	ND	ug/Kg dry	789	270.0000	1	05/15/06
4-Chloro-phenyl-phenyl ether	ND	ug/Kg dry	394	45.2000	1	05/15/06
4-Nitroaniline	ND	ug/Kg dry	394	52.6000	1	05/15/06
4-Nitrophenol	ND	ug/Kg dry	1970	434.0000	1	05/15/06
Acenaphthene	ND	ug/Kg dry	394	58.0000	1	05/15/06
Acenaphthylene	J 213	ug/Kg dry	394	38.0000	1	05/15/06
Acetophenone	ND	ug/Kg dry	789	508.0000	1	05/15/06
Aniline	ND	ug/Kg dry	1970	56.8000	1	05/15/06
Anthracene	J 239	ug/Kg dry	394	44.6000	1	05/15/06
Azobenzene	ND	ug/Kg dry	394	82.6000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 29.5
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	1040	ug/Kg dry	394	40.4000	1	05/15/06
Benzo(a)pyrene	1210	ug/Kg dry	197	41.8000	1	05/15/06
Benzo(b)fluoranthene	1360	ug/Kg dry	394	72.8000	1	05/15/06
Benzo(g,h,i)perylene	621	ug/Kg dry	394	46.2000	1	05/15/06
Benzo(k)fluoranthene	973	ug/Kg dry	394	68.8000	1	05/15/06
Benzoic Acid	ND	ug/Kg dry	1970	498.0000	1	05/15/06
Benzyl Alcohol	ND	ug/Kg dry	394	47.0000	1	05/15/06
bis(2-Chloroethoxy)methane	ND	ug/Kg dry	394	33.2000	1	05/15/06
bis(2-Chloroethyl)ether	ND	ug/Kg dry	394	62.2000	1	05/15/06
bis(2-chloroisopropyl)Ether	ND	ug/Kg dry	394	44.4000	1	05/15/06
bis(2-Ethylhexyl)phthalate	J 69.8	ug/Kg dry	394	52.0000	1	05/15/06
Butylbenzylphthalate	ND	ug/Kg dry	394	41.2000	1	05/15/06
Carbazole	J 154	ug/Kg dry	394	51.6000	1	05/15/06
Chrysene	1020	ug/Kg dry	197	49.4000	1	05/15/06
Dibenzo(a,h)Anthracene	231	ug/Kg dry	197	48.4000	1	05/15/06
Dibenzofuran	J 59.1	ug/Kg dry	394	43.8000	1	05/15/06
Diethylphthalate	ND	ug/Kg dry	394	57.2000	1	05/15/06
Dimethylphthalate	ND	ug/Kg dry	394	54.4000	1	05/15/06
Di-n-butylphthalate	ND	ug/Kg dry	394	49.0000	1	05/15/06
Di-n-octylphthalate	ND	ug/Kg dry	394	53.6000	1	05/15/06
Fluoranthene	2470	ug/Kg dry	394	47.2000	1	05/15/06
Fluorene	J 80.0	ug/Kg dry	394	37.6000	1	05/15/06
Hexachlorobenzene	ND	ug/Kg dry	394	55.6000	1	05/15/06
Hexachlorobutadiene	ND	ug/Kg dry	394	72.6000	1	05/15/06
Hexachlorocyclopentadiene	ND	ug/Kg dry	1970	224.0000	1	05/15/06
Hexachloroethane	ND	ug/Kg dry	394	44.4000	1	05/15/06
Indeno(1,2,3-cd)Pyrene	607	ug/Kg dry	394	56.8000	1	05/15/06
Isophorone	ND	ug/Kg dry	394	33.2000	1	05/15/06
Naphthalene	ND	ug/Kg dry	394	39.4000	1	05/15/06
Nitrobenzene	ND	ug/Kg dry	394	51.0000	1	05/15/06
N-Nitrosodimethylamine	ND	ug/Kg dry	394	66.6000	1	05/15/06
N-Nitroso-Di-n-Propylamine	ND	ug/Kg dry	394	48.8000	1	05/15/06
N-nitrosodiphenylamine	ND	ug/Kg dry	394	42.0000	1	05/15/06
Pentachlorophenol	ND	ug/Kg dry	1970	406.0000	1	05/15/06
Phenanthrene	1210	ug/Kg dry	394	54.2000	1	05/15/06
Phenol	ND	ug/Kg dry	394	40.2000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86
Initial Volume: 29.5
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Pyrene	1890	ug/Kg dry	394	36.6000	1	05/15/06
Pyridine	ND	ug/Kg dry	1970	89.0000	1	05/15/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	81 %		30-130
Surrogate: 2,4,6-Tribromophenol	101 %		30-130
Surrogate: 2-Chlorophenol-d4	83 %		30-130
Surrogate: 2-Fluorobiphenyl	91 %		30-130
Surrogate: 2-Fluorophenol	84 %		30-130
Surrogate: Nitrobenzene-d5	84 %		30-130
Surrogate: Phenol-d6	85 %		30-130
Surrogate: p-Terphenyl-d14	96 %		30-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: A3
Date Sampled: 05/12/06 12:45
Percent Solids: 86

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-04
Sample Matrix: Soil

Classical Chemistry

<u>Analyte</u>		<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>
Corrosivity (pH)		8.01	S.U.	N/A	9045	1	AR	05/12/06 17:40
Flashpoint	>	200	°F	N/A	1010	1	NMT	05/16/06
Reactive Cyanide		ND	mg/kg	2.0	7.3.3.2	1	NMT	05/15/06
Reactive Sulfide		ND	mg/kg	2.0	7.3.4.1	1	NMT	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>
Arsenic	3.2	mg/kg dry	1.6	7060A	5	SVD	05/13/06	1.77	100
Barium	57.1	mg/kg dry	3.1	6010B	1	JP	05/12/06	1.77	100
Cadmium	ND	mg/kg dry	0.63	6010B	1	JP	05/12/06	1.77	100
Chromium	13.1	mg/kg dry	1.3	6010B	1	JP	05/12/06	1.77	100
Lead	78.3	mg/kg dry	6.3	6010B	1	JP	05/12/06	1.77	100
Mercury	0.535	mg/kg dry	0.035	7471A	1	JP	05/13/06	0.63	40
Selenium	ND	mg/kg dry	6.3	6010B	1	JP	05/12/06	1.77	100
Silver	18.1	mg/kg dry	0.63	6010B	1	JP	05/12/06	1.77	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 21.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1,1,2-Tetrachloroethane	ND	ug/Kg dry	87.9	56.2000	1	05/16/06
1,1,1-Trichloroethane	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
1,1,2,2-Tetrachloroethane	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
1,1,2-Trichloroethane	ND	ug/Kg dry	44.0	37.0000	1	05/16/06
1,1-Dichloroethane	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
1,1-Dichloroethene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
1,1-Dichloropropene	ND	ug/Kg dry	44.0	15.8000	1	05/16/06
1,2,3-Trichlorobenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
1,2,3-Trichloropropane	ND	ug/Kg dry	44.0	44.0000	1	05/16/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	44.0	17.6000	1	05/16/06
1,2,4-Trimethylbenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
1,2-Dibromo-3-Chloropropane	ND	ug/Kg dry	220	175.8000	1	05/16/06
1,2-Dibromoethane	ND	ug/Kg dry	44.0	17.6000	1	05/16/06
1,2-Dichlorobenzene	ND	ug/Kg dry	44.0	17.6000	1	05/16/06
1,2-Dichloroethane	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
1,2-Dichloropropane	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
1,3,5-Trimethylbenzene	ND	ug/Kg dry	44.0	22.8000	1	05/16/06
1,3-Dichlorobenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
1,3-Dichloropropane	ND	ug/Kg dry	44.0	15.8000	1	05/16/06
1,4-Dichlorobenzene	ND	ug/Kg dry	44.0	22.8000	1	05/16/06
1,4-Dioxane - Screen	ND	ug/Kg dry	4400	4220.0000	1	05/16/06
1-Chlorohexane	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
2,2-Dichloropropane	ND	ug/Kg dry	87.9	40.4000	1	05/16/06
2-Butanone	ND	ug/Kg dry	1100	358.0000	1	05/16/06
2-Chlorotoluene	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
2-Hexanone	ND	ug/Kg dry	440	88.0000	1	05/16/06
4-Chlorotoluene	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
4-Isopropyltoluene	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
4-Methyl-2-Pentanone	ND	ug/Kg dry	440	110.8000	1	05/16/06
Acetone	ND	ug/Kg dry	1100	748.0000	1	05/16/06
Benzene	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
Bromobenzene	ND	ug/Kg dry	44.0	17.6000	1	05/16/06
Bromochloromethane	ND	ug/Kg dry	44.0	26.4000	1	05/16/06
Bromodichloromethane	ND	ug/Kg dry	44.0	22.8000	1	05/16/06
Bromoform	ND	ug/Kg dry	44.0	19.4000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 21.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	ug/Kg dry	87.9	17.6000	1	05/16/06
Carbon Disulfide	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
Carbon Tetrachloride	ND	ug/Kg dry	44.0	22.8000	1	05/16/06
Chlorobenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
Chloroethane	ND	ug/Kg dry	87.9	52.8000	1	05/16/06
Chloroform	106	ug/Kg dry	44.0	19.4000	1	05/16/06
Chloromethane	ND	ug/Kg dry	87.9	26.4000	1	05/16/06
cis-1,2-Dichloroethene	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
cis-1,3-Dichloropropene	ND	ug/Kg dry	44.0	17.6000	1	05/16/06
Dibromochloromethane	ND	ug/Kg dry	44.0	14.0000	1	05/16/06
Dibromomethane	ND	ug/Kg dry	44.0	22.8000	1	05/16/06
Dichlorodifluoromethane	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
Diethyl Ether	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
Di-isopropyl ether	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
Ethyl tertiary-butyl ether	ND	ug/Kg dry	44.0	17.6000	1	05/16/06
Ethylbenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
Hexachlorobutadiene	ND	ug/Kg dry	44.0	38.6000	1	05/16/06
Isopropylbenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
Methyl tert-Butyl Ether	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
Methylene Chloride	J 44.0	ug/Kg dry	220	33.4000	1	05/16/06
Naphthalene	ND	ug/Kg dry	44.0	14.0000	1	05/16/06
n-Butylbenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
n-Propylbenzene	ND	ug/Kg dry	44.0	17.6000	1	05/16/06
sec-Butylbenzene	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
Styrene	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
tert-Butylbenzene	ND	ug/Kg dry	44.0	19.4000	1	05/16/06
Tertiary-amyl methyl ether	ND	ug/Kg dry	44.0	24.6000	1	05/16/06
Tetrachloroethene	71.2	ug/Kg dry	44.0	21.0000	1	05/16/06
Tetrahydrofuran	ND	ug/Kg dry	220	175.8000	1	05/16/06
Toluene	ND	ug/Kg dry	44.0	22.8000	1	05/16/06
trans-1,2-Dichloroethene	ND	ug/Kg dry	44.0	28.2000	1	05/16/06
trans-1,3-Dichloropropene	ND	ug/Kg dry	44.0	21.0000	1	05/16/06
Trichloroethene	87.0	ug/Kg dry	44.0	19.4000	1	05/16/06
Trichlorofluoromethane	ND	ug/Kg dry	44.0	22.8000	1	05/16/06
Vinyl Acetate	ND	ug/Kg dry	220	33.4000	1	05/16/06
Vinyl Chloride	ND	ug/Kg dry	44.0	21.0000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 21.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	ug/Kg dry	44.0	15.8000	1	05/16/06
Xylene P,M	ND	ug/Kg dry	87.9	42.2000	1	05/16/06
Xylenes (Total)	ND	ug/Kg	132			05/16/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	96 %		70-130
Surrogate: 4-Bromofluorobenzene	99 %		70-130
Surrogate: Dibromofluoromethane	111 %		70-130
Surrogate: Toluene-d8	108 %		70-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 20.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: SEP
Prepared: 05/12/06

8082 Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Aroclor 1016	ND	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1221	ND	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1232	ND	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1242	ND	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1248	240	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1254	ND	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1260	ND	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1262	ND	ug/Kg dry	55.2	37.8000	1	05/16/06
Aroclor 1268	ND	ug/Kg dry	55.2	37.8000	1	05/16/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: Decachlorobiphenyl	73 %		30-150
Surrogate: Decachlorobiphenyl [2C]	99 %		30-150
Surrogate: Tetrachloro-m-xylene	88 %		30-150
Surrogate: Tetrachloro-m-xylene [2C]	89 %		30-150

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 29.7
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: JLS
Prepared: 05/12/06

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Total Petroleum Hydrocarbons	107	mg/kg dry	28.1	4.4800	1	05/15/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: O-Terphenyl	82 %		40-140

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: 13
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 29.8
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1-Biphenyl	ND	ug/Kg dry	372	38.0000	1	05/15/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	372	48.8000	1	05/15/06
1,2-Dichlorobenzene	ND	ug/Kg dry	372	42.0000	1	05/15/06
1,3-Dichlorobenzene	ND	ug/Kg dry	372	44.2000	1	05/15/06
1,4-Dichlorobenzene	ND	ug/Kg dry	372	41.8000	1	05/15/06
2,3,4,6-Tetrachlorophenol	ND	ug/Kg dry	1870	51.4000	1	05/15/06
2,4,5-Trichlorophenol	ND	ug/Kg dry	372	69.4000	1	05/15/06
2,4,6-Trichlorophenol	ND	ug/Kg dry	372	39.0000	1	05/15/06
2,4-Dichlorophenol	ND	ug/Kg dry	372	43.6000	1	05/15/06
2,4-Dimethylphenol	ND	ug/Kg dry	372	31.4000	1	05/15/06
2,4-Dinitrophenol	ND	ug/Kg dry	1870	434.0000	1	05/15/06
2,4-Dinitrotoluene	ND	ug/Kg dry	372	56.0000	1	05/15/06
2,6-Dinitrotoluene	ND	ug/Kg dry	372	39.0000	1	05/15/06
2-Chloronaphthalene	ND	ug/Kg dry	372	40.2000	1	05/15/06
2-Chlorophenol	ND	ug/Kg dry	372	49.8000	1	05/15/06
2-Methylnaphthalene	J 38.8	ug/Kg dry	372	37.0000	1	05/15/06
2-Methylphenol	ND	ug/Kg dry	372	26.8000	1	05/15/06
2-Nitroaniline	ND	ug/Kg dry	372	48.6000	1	05/15/06
2-Nitrophenol	ND	ug/Kg dry	372	40.0000	1	05/15/06
3,3'-Dichlorobenzidine	ND	ug/Kg dry	746	49.8000	1	05/15/06
3+4-Methylphenol	ND	ug/Kg dry	746	34.8000	1	05/15/06
3-Nitroaniline	ND	ug/Kg dry	372	47.0000	1	05/15/06
4,6-Dinitro-2-Methylphenol	ND	ug/Kg dry	1870	45.6000	1	05/15/06
4-Bromophenyl-phenylether	ND	ug/Kg dry	372	57.0000	1	05/15/06
4-Chloro-3-Methylphenol	ND	ug/Kg dry	372	50.4000	1	05/15/06
4-Chloroaniline	ND	ug/Kg dry	746	256.0000	1	05/15/06
4-Chloro-phenyl-phenyl ether	ND	ug/Kg dry	372	42.8000	1	05/15/06
4-Nitroaniline	ND	ug/Kg dry	372	49.6000	1	05/15/06
4-Nitrophenol	ND	ug/Kg dry	1870	410.0000	1	05/15/06
Acenaphthene	J 170	ug/Kg dry	372	54.8000	1	05/15/06
Acenaphthylene	J 243	ug/Kg dry	372	36.0000	1	05/15/06
Acetophenone	ND	ug/Kg dry	746	480.0000	1	05/15/06
Aniline	ND	ug/Kg dry	1870	53.6000	1	05/15/06
Anthracene	714	ug/Kg dry	372	42.2000	1	05/15/06
Azobenzene	ND	ug/Kg dry	372	78.0000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 29.8
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	2460	ug/Kg dry	372	38.2000	1	05/15/06
Benzo(a)pyrene	2240	ug/Kg dry	187	39.6000	1	05/15/06
Benzo(b)fluoranthene	2380	ug/Kg dry	372	69.0000	1	05/15/06
Benzo(g,h,i)perylene	998	ug/Kg dry	372	43.6000	1	05/15/06
Benzo(k)fluoranthene	1920	ug/Kg dry	372	65.2000	1	05/15/06
Benzoic Acid	ND	ug/Kg dry	1870	472.0000	1	05/15/06
Benzyl Alcohol	ND	ug/Kg dry	372	44.6000	1	05/15/06
bis(2-Chloroethoxy)methane	ND	ug/Kg dry	372	31.4000	1	05/15/06
bis(2-Chloroethyl)ether	ND	ug/Kg dry	372	58.8000	1	05/15/06
bis(2-chloroisopropyl)Ether	ND	ug/Kg dry	372	42.0000	1	05/15/06
bis(2-Ethylhexyl)phthalate	J 106	ug/Kg dry	372	49.2000	1	05/15/06
Butylbenzylphthalate	ND	ug/Kg dry	372	39.0000	1	05/15/06
Carbazole	J 308	ug/Kg dry	372	48.8000	1	05/15/06
Chrysene	2240	ug/Kg dry	187	46.8000	1	05/15/06
Dibenzo(a,h)Anthracene	362	ug/Kg dry	187	45.8000	1	05/15/06
Dibenzofuran	J 158	ug/Kg dry	372	41.4000	1	05/15/06
Diethylphthalate	ND	ug/Kg dry	372	54.2000	1	05/15/06
Dimethylphthalate	ND	ug/Kg dry	372	51.4000	1	05/15/06
Di-n-butylphthalate	ND	ug/Kg dry	372	46.4000	1	05/15/06
Di-n-octylphthalate	ND	ug/Kg dry	372	50.8000	1	05/15/06
Fluoranthene	5530	ug/Kg dry	372	44.8000	1	05/15/06
Fluorene	J 201	ug/Kg dry	372	35.6000	1	05/15/06
Hexachlorobenzene	ND	ug/Kg dry	372	52.6000	1	05/15/06
Hexachlorobutadiene	ND	ug/Kg dry	372	68.6000	1	05/15/06
Hexachlorocyclopentadiene	ND	ug/Kg dry	1870	212.0000	1	05/15/06
Hexachloroethane	ND	ug/Kg dry	372	42.0000	1	05/15/06
Indeno(1,2,3-cd)Pyrene	982	ug/Kg dry	372	53.6000	1	05/15/06
Isophorone	ND	ug/Kg dry	372	31.4000	1	05/15/06
Naphthalene	J 61.5	ug/Kg dry	372	37.4000	1	05/15/06
Nitrobenzene	ND	ug/Kg dry	372	48.4000	1	05/15/06
N-Nitrosodimethylamine	ND	ug/Kg dry	372	63.0000	1	05/15/06
N-Nitroso-Di-n-Propylamine	ND	ug/Kg dry	372	46.0000	1	05/15/06
N-nitrosodiphenylamine	ND	ug/Kg dry	372	39.8000	1	05/15/06
Pentachlorophenol	ND	ug/Kg dry	1870	384.0000	1	05/15/06
Phenanthrene	3130	ug/Kg dry	372	51.2000	1	05/15/06
Phenol	ND	ug/Kg dry	372	38.0000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: 13
Date Sampled: 05/12/06 12:30
Percent Solids: 90
Initial Volume: 29.8
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Pyrene	4530	ug/Kg dry	372	34.6000	1	05/15/06
Pyridine	ND	ug/Kg dry	1870	84.2000	1	05/15/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	85 %		30-130
Surrogate: 2,4,6-Tribromophenol	103 %		30-130
Surrogate: 2-Chlorophenol-d4	85 %		30-130
Surrogate: 2-Fluorobiphenyl	97 %		30-130
Surrogate: 2-Fluorophenol	87 %		30-130
Surrogate: Nitrobenzene-d5	90 %		30-130
Surrogate: Phenol-d6	88 %		30-130
Surrogate: p-Terphenyl-d14	101 %		30-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: I3
Date Sampled: 05/12/06 12:30
Percent Solids: 90

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-03
Sample Matrix: Soil

Classical Chemistry

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>
Corrosivity (pH)	8.38	S.U.	N/A	9045	1	AR	05/12/06 17:40
Flashpoint	> 200	°F	N/A	1010	1	NMT	05/16/06
Reactive Cyanide	ND	mg/kg	2.0	7.3.3.2	1	NMT	05/15/06
Reactive Sulfide	ND	mg/kg	2.0	7.3.4.1	1	NMT	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>
Arsenic	3.1	mg/kg dry	1.6	7060A	5	SVD	05/13/06	1.75	100
Barium	39.8	mg/kg dry	3.2	6010B	1	JP	05/12/06	1.75	100
Cadmium	ND	mg/kg dry	0.64	6010B	1	JP	05/12/06	1.75	100
Chromium	12.2	mg/kg dry	1.3	6010B	1	JP	05/12/06	1.75	100
Lead	54.8	mg/kg dry	6.4	6010B	1	JP	05/12/06	1.75	100
Mercury	0.346	mg/kg dry	0.035	7471A	1	JP	05/13/06	0.64	40
Selenium	ND	mg/kg dry	6.4	6010B	1	JP	05/12/06	1.75	100
Silver	8.22	mg/kg dry	0.64	6010B	1	JP	05/12/06	1.75	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 22.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1,1,2-Tetrachloroethane	ND	ug/Kg dry	87.6	56.0000	1	05/16/06
1,1,1-Trichloroethane	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
1,1,2-Tetrachloroethane	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
1,1,2-Trichloroethane	ND	ug/Kg dry	43.8	36.8000	1	05/16/06
1,1-Dichloroethane	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
1,1-Dichloroethene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
1,1-Dichloropropene	ND	ug/Kg dry	43.8	15.8000	1	05/16/06
1,2,3-Trichlorobenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
1,2,3-Trichloropropane	ND	ug/Kg dry	43.8	43.8000	1	05/16/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	43.8	17.6000	1	05/16/06
1,2,4-Trimethylbenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
1,2-Dibromo-3-Chloropropane	ND	ug/Kg dry	219	175.2000	1	05/16/06
1,2-Dibromoethane	ND	ug/Kg dry	43.8	17.6000	1	05/16/06
1,2-Dichlorobenzene	ND	ug/Kg dry	43.8	17.6000	1	05/16/06
1,2-Dichloroethane	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
1,2-Dichloropropane	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
1,3,5-Trimethylbenzene	ND	ug/Kg dry	43.8	22.8000	1	05/16/06
1,3-Dichlorobenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
1,3-Dichloropropane	ND	ug/Kg dry	43.8	15.8000	1	05/16/06
1,4-Dichlorobenzene	ND	ug/Kg dry	43.8	22.8000	1	05/16/06
1,4-Dioxane - Screen	ND	ug/Kg dry	4380	4200.0000	1	05/16/06
1-Chlorohexane	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
2,2-Dichloropropane	ND	ug/Kg dry	87.6	40.2000	1	05/16/06
2-Butanone	ND	ug/Kg dry	1100	358.0000	1	05/16/06
2-Chlorotoluene	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
2-Hexanone	ND	ug/Kg dry	438	87.6000	1	05/16/06
4-Chlorotoluene	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
4-Isopropyltoluene	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
4-Methyl-2-Pentanone	ND	ug/Kg dry	438	110.4000	1	05/16/06
Acetone	ND	ug/Kg dry	1100	744.0000	1	05/16/06
Benzene	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
Bromobenzene	ND	ug/Kg dry	43.8	17.6000	1	05/16/06
Bromochloromethane	ND	ug/Kg dry	43.8	26.2000	1	05/16/06
Bromodichloromethane	ND	ug/Kg dry	43.8	22.8000	1	05/16/06
Bromoform	ND	ug/Kg dry	43.8	19.2000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 22.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	ug/Kg dry	87.6	17.6000	1	05/16/06
Carbon Disulfide	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
Carbon Tetrachloride	ND	ug/Kg dry	43.8	22.8000	1	05/16/06
Chlorobenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Chloroethane	ND	ug/Kg dry	87.6	52.6000	1	05/16/06
Chloroform	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Chloromethane	ND	ug/Kg dry	87.6	26.2000	1	05/16/06
cis-1,2-Dichloroethene	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
cis-1,3-Dichloropropene	ND	ug/Kg dry	43.8	17.6000	1	05/16/06
Dibromochloromethane	ND	ug/Kg dry	43.8	14.0000	1	05/16/06
Dibromomethane	ND	ug/Kg dry	43.8	22.8000	1	05/16/06
Dichlorodifluoromethane	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Diethyl Ether	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
Di-isopropyl ether	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Ethyl tertiary-butyl ether	ND	ug/Kg dry	43.8	17.6000	1	05/16/06
Ethylbenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Hexachlorobutadiene	ND	ug/Kg dry	43.8	38.6000	1	05/16/06
Isopropylbenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Methyl tert-Butyl Ether	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Methylene Chloride	ND	ug/Kg dry	219	33.2000	1	05/16/06
Naphthalene	ND	ug/Kg dry	43.8	14.0000	1	05/16/06
n-Butylbenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
n-Propylbenzene	ND	ug/Kg dry	43.8	17.6000	1	05/16/06
sec-Butylbenzene	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
Styrene	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
tert-Butylbenzene	ND	ug/Kg dry	43.8	19.2000	1	05/16/06
Tertiary-amyl methyl ether	ND	ug/Kg dry	43.8	24.6000	1	05/16/06
Tetrachloroethene	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
Tetrahydrofuran	ND	ug/Kg dry	219	175.2000	1	05/16/06
Toluene	ND	ug/Kg dry	43.8	22.8000	1	05/16/06
trans-1,2-Dichloroethene	ND	ug/Kg dry	43.8	28.0000	1	05/16/06
trans-1,3-Dichloropropene	ND	ug/Kg dry	43.8	21.0000	1	05/16/06
Trichloroethene	62.2	ug/Kg dry	43.8	19.2000	1	05/16/06
Trichlorofluoromethane	ND	ug/Kg dry	43.8	22.8000	1	05/16/06
Vinyl Acetate	ND	ug/Kg dry	219	33.2000	1	05/16/06
Vinyl Chloride	ND	ug/Kg dry	43.8	21.0000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 22.4
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	ug/Kg dry	43.8	15.8000	1	05/16/06
Xylene P,M	ND	ug/Kg dry	87.6	42.0000	1	05/16/06
Xylenes (Total)	ND	ug/Kg	131			05/16/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	98 %		70-130
Surrogate: 4-Bromofluorobenzene	103 %		70-130
Surrogate: Dibromofluoromethane	113 %		70-130
Surrogate: Toluene-d8	111 %		70-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 19.7
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: SEP
Prepared: 05/12/06

8082 Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Aroclor 1016	ND	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1221	ND	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1232	ND	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1242	ND	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1248	208	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1254	ND	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1260	ND	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1262	ND	ug/Kg dry	57.0	39.0000	1	05/16/06
Aroclor 1268	ND	ug/Kg dry	57.0	39.0000	1	05/16/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: Decachlorobiphenyl	73 %		30-150
Surrogate: Decachlorobiphenyl [2C]	97 %		30-150
Surrogate: Tetrachloro-m-xylene	94 %		30-150
Surrogate: Tetrachloro-m-xylene [2C]	91 %		30-150

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 30.2
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: JLS
Prepared: 05/12/06

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Total Petroleum Hydrocarbons	99.0	mg/kg dry	27.9	4.4600	1	05/15/06
	<i>%Recovery</i>		<i>Qualifier</i>	<i>Limits</i>		
<i>Surrogate: O-Terphenyl</i>	<i>91 %</i>			<i>40-140</i>		

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 29.8
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1-Biphenyl	ND	ug/Kg dry	377	38.4000	1	05/15/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	377	49.4000	1	05/15/06
1,2-Dichlorobenzene	ND	ug/Kg dry	377	42.6000	1	05/15/06
1,3-Dichlorobenzene	ND	ug/Kg dry	377	44.8000	1	05/15/06
1,4-Dichlorobenzene	ND	ug/Kg dry	377	42.4000	1	05/15/06
2,3,4,6-Tetrachlorophenol	ND	ug/Kg dry	1890	52.0000	1	05/15/06
2,4,5-Trichlorophenol	ND	ug/Kg dry	377	70.2000	1	05/15/06
2,4,6-Trichlorophenol	ND	ug/Kg dry	377	39.4000	1	05/15/06
2,4-Dichlorophenol	ND	ug/Kg dry	377	44.2000	1	05/15/06
2,4-Dimethylphenol	ND	ug/Kg dry	377	31.6000	1	05/15/06
2,4-Dinitrophenol	ND	ug/Kg dry	1890	438.0000	1	05/15/06
2,4-Dinitrotoluene	ND	ug/Kg dry	377	56.6000	1	05/15/06
2,6-Dinitrotoluene	ND	ug/Kg dry	377	39.4000	1	05/15/06
2-Chloronaphthalene	ND	ug/Kg dry	377	40.8000	1	05/15/06
2-Chlorophenol	ND	ug/Kg dry	377	50.4000	1	05/15/06
2-Methylnaphthalene	J 54.7	ug/Kg dry	377	37.4000	1	05/15/06
2-Methylphenol	ND	ug/Kg dry	377	27.2000	1	05/15/06
2-Nitroaniline	ND	ug/Kg dry	377	49.0000	1	05/15/06
2-Nitrophenol	ND	ug/Kg dry	377	40.4000	1	05/15/06
3,3'-Dichlorobenzidine	ND	ug/Kg dry	754	50.4000	1	05/15/06
3+4-Methylphenol	ND	ug/Kg dry	754	35.2000	1	05/15/06
3-Nitroaniline	ND	ug/Kg dry	377	47.6000	1	05/15/06
4,6-Dinitro-2-Methylphenol	ND	ug/Kg dry	1890	46.2000	1	05/15/06
4-Bromophenyl-phenylether	ND	ug/Kg dry	377	57.6000	1	05/15/06
4-Chloro-3-Methylphenol	ND	ug/Kg dry	377	51.0000	1	05/15/06
4-Chloroaniline	ND	ug/Kg dry	754	258.0000	1	05/15/06
4-Chloro-phenyl-phenyl ether	ND	ug/Kg dry	377	43.2000	1	05/15/06
4-Nitroaniline	ND	ug/Kg dry	377	50.2000	1	05/15/06
4-Nitrophenol	ND	ug/Kg dry	1890	414.0000	1	05/15/06
Acenaphthene	J 183	ug/Kg dry	377	55.4000	1	05/15/06
Acenaphthylene	J 255	ug/Kg dry	377	36.4000	1	05/15/06
Acetophenone	ND	ug/Kg dry	754	486.0000	1	05/15/06
Aniline	ND	ug/Kg dry	1890	54.2000	1	05/15/06
Anthracene	853	ug/Kg dry	377	42.8000	1	05/15/06
Azobenzene	ND	ug/Kg dry	377	79.0000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 29.8
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	2860	ug/Kg dry	377	38.6000	1	05/15/06
Benzo(a)pyrene	2450	ug/Kg dry	189	40.0000	1	05/15/06
Benzo(b)fluoranthene	2640	ug/Kg dry	377	69.6000	1	05/15/06
Benzo(g,h,i)perylene	1190	ug/Kg dry	377	44.2000	1	05/15/06
Benzo(k)fluoranthene	1980	ug/Kg dry	377	65.8000	1	05/15/06
Benzoic Acid	ND	ug/Kg dry	1890	476.0000	1	05/15/06
Benzyl Alcohol	ND	ug/Kg dry	377	45.0000	1	05/15/06
bis(2-Chloroethoxy)methane	ND	ug/Kg dry	377	31.6000	1	05/15/06
bis(2-Chloroethyl)ether	ND	ug/Kg dry	377	59.4000	1	05/15/06
bis(2-chloroisopropyl)Ether	ND	ug/Kg dry	377	42.6000	1	05/15/06
bis(2-Ethylhexyl)phthalate	J 50.5	ug/Kg dry	377	49.8000	1	05/15/06
Butylbenzylphthalate	ND	ug/Kg dry	377	39.4000	1	05/15/06
Carbazole	514	ug/Kg dry	377	49.4000	1	05/15/06
Chrysene	2630	ug/Kg dry	189	47.2000	1	05/15/06
Dibenzo(a,h)Anthracene	459	ug/Kg dry	189	46.4000	1	05/15/06
Dibenzofuran	J 233	ug/Kg dry	377	41.8000	1	05/15/06
Diethylphthalate	ND	ug/Kg dry	377	54.8000	1	05/15/06
Dimethylphthalate	ND	ug/Kg dry	377	52.0000	1	05/15/06
Di-n-butylphthalate	ND	ug/Kg dry	377	46.8000	1	05/15/06
Di-n-octylphthalate	ND	ug/Kg dry	377	51.4000	1	05/15/06
Fluoranthene	6210	ug/Kg dry	377	45.2000	1	05/15/06
Fluorene	J 281	ug/Kg dry	377	36.0000	1	05/15/06
Hexachlorobenzene	ND	ug/Kg dry	377	53.2000	1	05/15/06
Hexachlorobutadiene	ND	ug/Kg dry	377	69.4000	1	05/15/06
Hexachlorocyclopentadiene	ND	ug/Kg dry	1890	216.0000	1	05/15/06
Hexachloroethane	ND	ug/Kg dry	377	42.6000	1	05/15/06
Indeno(1,2,3-cd)Pyrene	1180	ug/Kg dry	377	54.2000	1	05/15/06
Isophorone	ND	ug/Kg dry	377	31.6000	1	05/15/06
Naphthalene	J 108	ug/Kg dry	377	37.8000	1	05/15/06
Nitrobenzene	ND	ug/Kg dry	377	48.8000	1	05/15/06
N-Nitrosodimethylamine	ND	ug/Kg dry	377	63.8000	1	05/15/06
N-Nitroso-Di-n-Propylamine	ND	ug/Kg dry	377	46.6000	1	05/15/06
N-nitrosodiphenylamine	ND	ug/Kg dry	377	40.2000	1	05/15/06
Pentachlorophenol	ND	ug/Kg dry	1890	388.0000	1	05/15/06
Phenanthrene	4170	ug/Kg dry	377	51.8000	1	05/15/06
Phenol	ND	ug/Kg dry	377	38.4000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89
Initial Volume: 29.8
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Pyrene	5030	ug/Kg dry	377	35.0000	1	05/15/06
Pyridine	ND	ug/Kg dry	1890	85.0000	1	05/15/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	82 %		30-130
Surrogate: 2,4,6-Tribromophenol	103 %		30-130
Surrogate: 2-Chlorophenol-d4	85 %		30-130
Surrogate: 2-Fluorobiphenyl	92 %		30-130
Surrogate: 2-Fluorophenol	86 %		30-130
Surrogate: Nitrobenzene-d5	85 %		30-130
Surrogate: Phenol-d6	88 %		30-130
Surrogate: p-Terphenyl-d14	99 %		30-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H5
Date Sampled: 05/12/06 12:15
Percent Solids: 89

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-02
Sample Matrix: Soil

Classical Chemistry

<u>Analyte</u>		<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>
Corrosivity (pH)		8.45	S.U.	N/A	9045	1	AR	05/12/06 17:40
Flashpoint	>	200	°F	N/A	1010	1	NMT	05/16/06
Reactive Cyanide		ND	mg/kg	2.0	7.3.3.2	1	NMT	05/15/06
Reactive Sulfide		ND	mg/kg	2.0	7.3.4.1	1	NMT	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>
Arsenic	3.3	mg/kg dry	1.7	7060A	5	SVD	05/13/06	1.8	100
Barium	21.7	mg/kg dry	3.3	6010B	1	JP	05/12/06	1.8	100
Cadmium	ND	mg/kg dry	0.66	6010B	1	JP	05/12/06	1.8	100
Chromium	11.7	mg/kg dry	1.3	6010B	1	JP	05/12/06	1.8	100
Lead	31.6	mg/kg dry	6.6	6010B	1	JP	05/12/06	1.8	100
Mercury	0.637	mg/kg dry	0.035	7471A	1	JP	05/13/06	0.68	40
Selenium	ND	mg/kg dry	6.6	6010B	1	JP	05/12/06	1.8	100
Silver	2.02	mg/kg dry	0.66	6010B	1	JP	05/12/06	1.8	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 23.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1,1,2-Tetrachloroethane	ND	ug/Kg dry	94.4	60.4000	1	05/16/06
1,1,1-Trichloroethane	ND	ug/Kg dry	47.2	22.6000	1	05/16/06
1,1,2,2-Tetrachloroethane	ND	ug/Kg dry	47.2	26.4000	1	05/16/06
1,1,2-Trichloroethane	ND	ug/Kg dry	47.2	39.6000	1	05/16/06
1,1-Dichloroethane	ND	ug/Kg dry	47.2	26.4000	1	05/16/06
1,1-Dichloroethene	ND	ug/Kg dry	47.2	20.8000	1	05/16/06
1,1-Dichloropropene	ND	ug/Kg dry	47.2	17.0000	1	05/16/06
1,2,3-Trichlorobenzene	ND	ug/Kg dry	47.2	20.8000	1	05/16/06
1,2,3-Trichloropropane	ND	ug/Kg dry	47.2	47.2000	1	05/16/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	47.2	18.8000	1	05/16/06
1,2,4-Trimethylbenzene	ND	ug/Kg dry	47.2	20.8000	1	05/16/06
1,2-Dibromo-3-Chloropropane	ND	ug/Kg dry	236	188.8000	1	05/16/06
1,2-Dibromoethane	ND	ug/Kg dry	47.2	18.8000	1	05/16/06
1,2-Dichlorobenzene	ND	ug/Kg dry	47.2	18.8000	1	05/16/06
1,2-Dichloroethane	ND	ug/Kg dry	47.2	22.6000	1	05/16/06
1,2-Dichloropropane	ND	ug/Kg dry	47.2	26.4000	1	05/16/06
1,3,5-Trimethylbenzene	ND	ug/Kg dry	47.2	24.6000	1	05/16/06
1,3-Dichlorobenzene	ND	ug/Kg dry	47.2	20.8000	1	05/16/06
1,3-Dichloropropane	ND	ug/Kg dry	47.2	17.0000	1	05/16/06
1,4-Dichlorobenzene	ND	ug/Kg dry	47.2	24.6000	1	05/16/06
1,4-Dioxane - Screen	ND	ug/Kg dry	4720	4540.0000	1	05/16/06
1-Chlorohexane	ND	ug/Kg dry	47.2	22.6000	1	05/16/06
2,2-Dichloropropane	ND	ug/Kg dry	94.4	43.4000	1	05/16/06
2-Butanone	ND	ug/Kg dry	1180	386.0000	1	05/16/06
2-Chlorotoluene	ND	ug/Kg dry	47.2	26.4000	1	05/16/06
2-Hexanone	ND	ug/Kg dry	472	94.4000	1	05/16/06
4-Chlorotoluene	ND	ug/Kg dry	47.2	22.6000	1	05/16/06
4-Isopropyltoluene	ND	ug/Kg dry	47.2	22.6000	1	05/16/06
4-Methyl-2-Pentanone	ND	ug/Kg dry	472	119.0000	1	05/16/06
Acetone	ND	ug/Kg dry	1180	802.0000	1	05/16/06
Benzene	ND	ug/Kg dry	47.2	26.4000	1	05/16/06
Bromobenzene	ND	ug/Kg dry	47.2	18.8000	1	05/16/06
Bromochloromethane	ND	ug/Kg dry	47.2	28.4000	1	05/16/06
Bromodichloromethane	ND	ug/Kg dry	47.2	24.6000	1	05/16/06
Bromoform	ND	ug/Kg dry	47.2	20.8000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 23.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	J	29.3	ug/Kg dry	94.4	18.8000	1	05/16/06
Carbon Disulfide	ND		ug/Kg dry	47.2	22.6000	1	05/16/06
Carbon Tetrachloride	ND		ug/Kg dry	47.2	24.6000	1	05/16/06
Chlorobenzene	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Chloroethane	ND		ug/Kg dry	94.4	56.6000	1	05/16/06
Chloroform	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Chloromethane	ND		ug/Kg dry	94.4	28.4000	1	05/16/06
cis-1,2-Dichloroethene	ND		ug/Kg dry	47.2	26.4000	1	05/16/06
cis-1,3-Dichloropropene	ND		ug/Kg dry	47.2	18.8000	1	05/16/06
Dibromochloromethane	ND		ug/Kg dry	47.2	15.2000	1	05/16/06
Dibromomethane	ND		ug/Kg dry	47.2	24.6000	1	05/16/06
Dichlorodifluoromethane	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Diethyl Ether	ND		ug/Kg dry	47.2	26.4000	1	05/16/06
Di-isopropyl ether	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Ethyl tertiary-butyl ether	ND		ug/Kg dry	47.2	18.8000	1	05/16/06
Ethylbenzene	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Hexachlorobutadiene	ND		ug/Kg dry	47.2	41.6000	1	05/16/06
Isopropylbenzene	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Methyl tert-Butyl Ether	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Methylene Chloride	J	45.3	ug/Kg dry	236	35.8000	1	05/16/06
Naphthalene	ND		ug/Kg dry	47.2	15.2000	1	05/16/06
n-Butylbenzene	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
n-Propylbenzene	ND		ug/Kg dry	47.2	18.8000	1	05/16/06
sec-Butylbenzene	ND		ug/Kg dry	47.2	22.6000	1	05/16/06
Styrene	ND		ug/Kg dry	47.2	22.6000	1	05/16/06
tert-Butylbenzene	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Tertiary-amyl methyl ether	ND		ug/Kg dry	47.2	26.4000	1	05/16/06
Tetrachloroethene	ND		ug/Kg dry	47.2	22.6000	1	05/16/06
Tetrahydrofuran	ND		ug/Kg dry	236	188.8000	1	05/16/06
Toluene	ND		ug/Kg dry	47.2	24.6000	1	05/16/06
trans-1,2-Dichloroethene	ND		ug/Kg dry	47.2	30.2000	1	05/16/06
trans-1,3-Dichloropropene	ND		ug/Kg dry	47.2	22.6000	1	05/16/06
Trichloroethene	ND		ug/Kg dry	47.2	20.8000	1	05/16/06
Trichlorofluoromethane	ND		ug/Kg dry	47.2	24.6000	1	05/16/06
Vinyl Acetate	ND		ug/Kg dry	236	35.8000	1	05/16/06
Vinyl Chloride	ND		ug/Kg dry	47.2	22.6000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 23.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	ug/Kg dry	47.2	17.0000	1	05/16/06
Xylene P,M	ND	ug/Kg dry	94.4	45.4000	1	05/16/06
Xylenes (Total)	ND	ug/Kg	142			05/16/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	105 %		70-130
Surrogate: 4-Bromofluorobenzene	106 %		70-130
Surrogate: Dibromofluoromethane	118 %		70-130
Surrogate: Toluene-d8	114 %		70-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 19.6
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: SEP
Prepared: 05/12/06

8082 Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Aroclor 1016	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1221	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1232	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1242	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1248	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1254	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1260	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1262	ND	ug/Kg dry	60.7	41.6000	1	05/15/06
Aroclor 1268	ND	ug/Kg dry	60.7	41.6000	1	05/15/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: Decachlorobiphenyl	88 %		30-150
Surrogate: Decachlorobiphenyl [2C]	111 %		30-150
Surrogate: Tetrachloro-m-xylene	85 %		30-150
Surrogate: Tetrachloro-m-xylene [2C]	91 %		30-150

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 29.3
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: JLS
Prepared: 05/12/06

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Total Petroleum Hydrocarbons	117	mg/kg dry	30.5	4.8800	1	05/15/06
	<i>%Recovery</i>		<i>Qualifier</i>	<i>Limits</i>		
<i>Surrogate: O-Terphenyl</i>	<i>95 %</i>			<i>40-140</i>		

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 30
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1-Biphenyl	ND	ug/Kg dry	396	40.4000	1	05/15/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	396	52.0000	1	05/15/06
1,2-Dichlorobenzene	ND	ug/Kg dry	396	44.8000	1	05/15/06
1,3-Dichlorobenzene	ND	ug/Kg dry	396	47.2000	1	05/15/06
1,4-Dichlorobenzene	ND	ug/Kg dry	396	44.6000	1	05/15/06
2,3,4,6-Tetrachlorophenol	ND	ug/Kg dry	1990	54.8000	1	05/15/06
2,4,5-Trichlorophenol	ND	ug/Kg dry	396	73.8000	1	05/15/06
2,4,6-Trichlorophenol	ND	ug/Kg dry	396	41.4000	1	05/15/06
2,4-Dichlorophenol	ND	ug/Kg dry	396	46.4000	1	05/15/06
2,4-Dimethylphenol	ND	ug/Kg dry	396	33.4000	1	05/15/06
2,4-Dinitrophenol	ND	ug/Kg dry	1990	462.0000	1	05/15/06
2,4-Dinitrotoluene	ND	ug/Kg dry	396	59.6000	1	05/15/06
2,6-Dinitrotoluene	ND	ug/Kg dry	396	41.4000	1	05/15/06
2-Chloronaphthalene	ND	ug/Kg dry	396	42.8000	1	05/15/06
2-Chlorophenol	ND	ug/Kg dry	396	53.0000	1	05/15/06
2-Methylnaphthalene	ND	ug/Kg dry	396	39.2000	1	05/15/06
2-Methylphenol	ND	ug/Kg dry	396	28.6000	1	05/15/06
2-Nitroaniline	ND	ug/Kg dry	396	51.6000	1	05/15/06
2-Nitrophenol	ND	ug/Kg dry	396	42.6000	1	05/15/06
3,3'-Dichlorobenzidine	ND	ug/Kg dry	794	53.0000	1	05/15/06
3+4-Methylphenol	ND	ug/Kg dry	794	37.2000	1	05/15/06
3-Nitroaniline	ND	ug/Kg dry	396	50.0000	1	05/15/06
4,6-Dinitro-2-Methylphenol	ND	ug/Kg dry	1990	48.6000	1	05/15/06
4-Bromophenyl-phenylether	ND	ug/Kg dry	396	60.8000	1	05/15/06
4-Chloro-3-Methylphenol	ND	ug/Kg dry	396	53.6000	1	05/15/06
4-Chloroaniline	ND	ug/Kg dry	794	272.0000	1	05/15/06
4-Chloro-phenyl-phenyl ether	ND	ug/Kg dry	396	45.4000	1	05/15/06
4-Nitroaniline	ND	ug/Kg dry	396	52.8000	1	05/15/06
4-Nitrophenol	ND	ug/Kg dry	1990	436.0000	1	05/15/06
Acenaphthene	ND	ug/Kg dry	396	58.4000	1	05/15/06
Acenaphthylene	J 207	ug/Kg dry	396	38.4000	1	05/15/06
Acetophenone	ND	ug/Kg dry	794	510.0000	1	05/15/06
Aniline	ND	ug/Kg dry	1990	57.2000	1	05/15/06
Anthracene	J 312	ug/Kg dry	396	45.0000	1	05/15/06
Azobenzene	ND	ug/Kg dry	396	83.0000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 30
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	1500	ug/Kg dry	396	40.8000	1	05/15/06
Benzo(a)pyrene	1470	ug/Kg dry	199	42.2000	1	05/15/06
Benzo(b)fluoranthene	1510	ug/Kg dry	396	73.4000	1	05/15/06
Benzo(g,h,i)perylene	707	ug/Kg dry	396	46.4000	1	05/15/06
Benzo(k)fluoranthene	1340	ug/Kg dry	396	69.2000	1	05/15/06
Benzoic Acid	ND	ug/Kg dry	1990	502.0000	1	05/15/06
Benzyl Alcohol	ND	ug/Kg dry	396	47.4000	1	05/15/06
bis(2-Chloroethoxy)methane	ND	ug/Kg dry	396	33.4000	1	05/15/06
bis(2-Chloroethyl)ether	ND	ug/Kg dry	396	62.6000	1	05/15/06
bis(2-chloroisopropyl)Ether	ND	ug/Kg dry	396	44.8000	1	05/15/06
bis(2-Ethylhexyl)phthalate	J 65.1	ug/Kg dry	396	52.4000	1	05/15/06
Butylbenzylphthalate	ND	ug/Kg dry	396	41.4000	1	05/15/06
Carbazole	J 252	ug/Kg dry	396	52.0000	1	05/15/06
Chrysene	1430	ug/Kg dry	199	49.8000	1	05/15/06
Dibenzo(a,h)Anthracene	283	ug/Kg dry	199	48.8000	1	05/15/06
Dibenzofuran	J 56.0	ug/Kg dry	396	44.0000	1	05/15/06
Diethylphthalate	ND	ug/Kg dry	396	57.6000	1	05/15/06
Dimethylphthalate	ND	ug/Kg dry	396	54.8000	1	05/15/06
Di-n-butylphthalate	ND	ug/Kg dry	396	49.2000	1	05/15/06
Di-n-octylphthalate	ND	ug/Kg dry	396	54.0000	1	05/15/06
Fluoranthene	3150	ug/Kg dry	396	47.6000	1	05/15/06
Fluorene	J 93.3	ug/Kg dry	396	37.8000	1	05/15/06
Hexachlorobenzene	ND	ug/Kg dry	396	56.0000	1	05/15/06
Hexachlorobutadiene	ND	ug/Kg dry	396	73.0000	1	05/15/06
Hexachlorocyclopentadiene	ND	ug/Kg dry	1990	226.0000	1	05/15/06
Hexachloroethane	ND	ug/Kg dry	396	44.8000	1	05/15/06
Indeno(1,2,3-cd)Pyrene	708	ug/Kg dry	396	57.2000	1	05/15/06
Isophorone	ND	ug/Kg dry	396	33.4000	1	05/15/06
Naphthalene	ND	ug/Kg dry	396	39.8000	1	05/15/06
Nitrobenzene	ND	ug/Kg dry	396	51.4000	1	05/15/06
N-Nitrosodimethylamine	ND	ug/Kg dry	396	67.2000	1	05/15/06
N-Nitroso-Di-n-Propylamine	ND	ug/Kg dry	396	49.0000	1	05/15/06
N-nitrosodiphenylamine	ND	ug/Kg dry	396	42.4000	1	05/15/06
Pentachlorophenol	ND	ug/Kg dry	1990	408.0000	1	05/15/06
Phenanthrene	1450	ug/Kg dry	396	54.6000	1	05/15/06
Phenol	ND	ug/Kg dry	396	40.4000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84
Initial Volume: 30
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Pyrene	2280	ug/Kg dry	396	37.0000	1	05/15/06
Pyridine	ND	ug/Kg dry	1990	89.6000	1	05/15/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	81 %		30-130
Surrogate: 2,4,6-Tribromophenol	94 %		30-130
Surrogate: 2-Chlorophenol-d4	80 %		30-130
Surrogate: 2-Fluorobiphenyl	88 %		30-130
Surrogate: 2-Fluorophenol	81 %		30-130
Surrogate: Nitrobenzene-d5	83 %		30-130
Surrogate: Phenol-d6	82 %		30-130
Surrogate: p-Terphenyl-d14	88 %		30-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: F3
Date Sampled: 05/12/06 12:00
Percent Solids: 84

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-01
Sample Matrix: Soil

Classical Chemistry

<u>Analyte</u>		<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>
Corrosivity (pH)		8.01	S.U.	N/A	9045	1	AR	05/12/06 17:40
Flashpoint	>	200	°F	N/A	1010	1	NMT	05/16/06
Reactive Cyanide		ND	mg/kg	2.0	7.3.3.2	1	NMT	05/15/06
Reactive Sulfide		ND	mg/kg	2.0	7.3.4.1	1	NMT	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: HI
Date Sampled: 05/12/06 13:00
Percent Solids: 88

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil

3050B/6000/7000 Total Metals

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>	<u>I/V</u>	<u>F/V</u>
Arsenic	4.3	mg/kg dry	1.6	7060A	5	SVD	05/13/06	1.75	100
Barium	63.5	mg/kg dry	3.2	6010B	1	JP	05/12/06	1.75	100
Cadmium	ND	mg/kg dry	0.65	6010B	1	JP	05/12/06	1.75	100
Chromium	17.8	mg/kg dry	1.3	6010B	1	JP	05/12/06	1.75	100
Lead	95.9	mg/kg dry	6.5	6010B	1	JP	05/12/06	1.75	100
Mercury	1.60	mg/kg dry	0.344	7471A	10	JP	05/13/06	0.66	40
Selenium	ND	mg/kg dry	6.5	6010B	1	JP	05/12/06	1.75	100
Silver	22.6	mg/kg dry	0.65	6010B	1	JP	05/12/06	1.75	100

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 20.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1,1,2-Tetrachloroethane	ND	ug/Kg dry	96.0	61.4000	1	05/16/06
1,1,1-Trichloroethane	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
1,1,2,2-Tetrachloroethane	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
1,1,2-Trichloroethane	ND	ug/Kg dry	48.0	40.4000	1	05/16/06
1,1-Dichloroethane	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
1,1-Dichloroethene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
1,1-Dichloropropene	ND	ug/Kg dry	48.0	17.2000	1	05/16/06
1,2,3-Trichlorobenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
1,2,3-Trichloropropane	ND	ug/Kg dry	48.0	48.0000	1	05/16/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	48.0	19.2000	1	05/16/06
1,2,4-Trimethylbenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
1,2-Dibromo-3-Chloropropane	ND	ug/Kg dry	240	192.0000	1	05/16/06
1,2-Dibromoethane	ND	ug/Kg dry	48.0	19.2000	1	05/16/06
1,2-Dichlorobenzene	ND	ug/Kg dry	48.0	19.2000	1	05/16/06
1,2-Dichloroethane	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
1,2-Dichloropropane	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
1,3,5-Trimethylbenzene	ND	ug/Kg dry	48.0	25.0000	1	05/16/06
1,3-Dichlorobenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
1,3-Dichloropropane	ND	ug/Kg dry	48.0	17.2000	1	05/16/06
1,4-Dichlorobenzene	ND	ug/Kg dry	48.0	25.0000	1	05/16/06
1,4-Dioxane - Screen	ND	ug/Kg dry	4800	4600.0000	1	05/16/06
1-Chlorohexane	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
2,2-Dichloropropane	ND	ug/Kg dry	96.0	44.2000	1	05/16/06
2-Butanone	ND	ug/Kg dry	1200	392.0000	1	05/16/06
2-Chlorotoluene	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
2-Hexanone	ND	ug/Kg dry	480	96.0000	1	05/16/06
4-Chlorotoluene	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
4-Isopropyltoluene	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
4-Methyl-2-Pentanone	ND	ug/Kg dry	480	121.0000	1	05/16/06
Acetone	ND	ug/Kg dry	1200	816.0000	1	05/16/06
Benzene	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
Bromobenzene	ND	ug/Kg dry	48.0	19.2000	1	05/16/06
Bromochloromethane	ND	ug/Kg dry	48.0	28.8000	1	05/16/06
Bromodichloromethane	ND	ug/Kg dry	48.0	25.0000	1	05/16/06
Bromoform	ND	ug/Kg dry	48.0	21.2000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 20.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	ug/Kg dry	96.0	19.2000	1	05/16/06
Carbon Disulfide	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
Carbon Tetrachloride	ND	ug/Kg dry	48.0	25.0000	1	05/16/06
Chlorobenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
Chloroethane	ND	ug/Kg dry	96.0	57.6000	1	05/16/06
Chloroform	J 25.9	ug/Kg dry	48.0	21.2000	1	05/16/06
Chloromethane	ND	ug/Kg dry	96.0	28.8000	1	05/16/06
cis-1,2-Dichloroethene	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
cis-1,3-Dichloropropene	ND	ug/Kg dry	48.0	19.2000	1	05/16/06
Dibromochloromethane	ND	ug/Kg dry	48.0	15.4000	1	05/16/06
Dibromomethane	ND	ug/Kg dry	48.0	25.0000	1	05/16/06
Dichlorodifluoromethane	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
Diethyl Ether	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
Di-isopropyl ether	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
Ethyl tertiary-butyl ether	ND	ug/Kg dry	48.0	19.2000	1	05/16/06
Ethylbenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
Hexachlorobutadiene	ND	ug/Kg dry	48.0	42.2000	1	05/16/06
Isopropylbenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
Methyl tert-Butyl Ether	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
Methylene Chloride	J 38.4	ug/Kg dry	240	36.4000	1	05/16/06
Naphthalene	ND	ug/Kg dry	48.0	15.4000	1	05/16/06
n-Butylbenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
n-Propylbenzene	ND	ug/Kg dry	48.0	19.2000	1	05/16/06
sec-Butylbenzene	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
Styrene	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
tert-Butylbenzene	ND	ug/Kg dry	48.0	21.2000	1	05/16/06
Tertiary-amyl methyl ether	ND	ug/Kg dry	48.0	26.8000	1	05/16/06
Tetrachloroethene	49.0	ug/Kg dry	48.0	23.0000	1	05/16/06
Tetrahydrofuran	ND	ug/Kg dry	240	192.0000	1	05/16/06
Toluene	ND	ug/Kg dry	48.0	25.0000	1	05/16/06
trans-1,2-Dichloroethene	ND	ug/Kg dry	48.0	30.8000	1	05/16/06
trans-1,3-Dichloropropene	ND	ug/Kg dry	48.0	23.0000	1	05/16/06
Trichloroethene	112	ug/Kg dry	48.0	21.2000	1	05/16/06
Trichlorofluoromethane	J 38.4	ug/Kg dry	48.0	25.0000	1	05/16/06
Vinyl Acetate	ND	ug/Kg dry	240	36.4000	1	05/16/06
Vinyl Chloride	ND	ug/Kg dry	48.0	23.0000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 20.7
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	ug/Kg dry	48.0	17.2000	1	05/16/06
Xylene P,M	ND	ug/Kg dry	96.0	46.0000	1	05/16/06
Xylenes (Total)	ND	ug/Kg	144			05/16/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	99 %		70-130
Surrogate: 4-Bromofluorobenzene	100 %		70-130
Surrogate: Dibromofluoromethane	113 %		70-130
Surrogate: Toluene-d8	108 %		70-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 20.1
Final Volume: 10
Extraction Method: 3541

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: SEP
Prepared: 05/12/06

8082 Polychlorinated Biphenyls (PCB)

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Aroclor 1016	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1221	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1232	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1242	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1248	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1254	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1260	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1262	ND	ug/Kg dry	56.5	38.6000	1	05/15/06
Aroclor 1268	ND	ug/Kg dry	56.5	38.6000	1	05/15/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: Decachlorobiphenyl	101 %		30-150
Surrogate: Decachlorobiphenyl [2C]	111 %		30-150
Surrogate: Tetrachloro-m-xylene	92 %		30-150
Surrogate: Tetrachloro-m-xylene [2C]	97 %		30-150

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 30.2
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: JLS
Prepared: 05/12/06

8100M Total Petroleum Hydrocarbons

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
Total Petroleum Hydrocarbons	87.8	mg/kg dry	28.2	4.5200	1	05/16/06

	<u>%Recovery</u>	<u>Qualifier</u>	<u>Limits</u>
Surrogate: O-Terphenyl	93 %		40-140

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 30.9
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1-Biphenyl	ND	ug/Kg dry	367	37.6000	1	05/15/06
1,2,4-Trichlorobenzene	ND	ug/Kg dry	367	48.2000	1	05/15/06
1,2-Dichlorobenzene	ND	ug/Kg dry	367	41.4000	1	05/15/06
1,3-Dichlorobenzene	ND	ug/Kg dry	367	43.6000	1	05/15/06
1,4-Dichlorobenzene	ND	ug/Kg dry	367	41.2000	1	05/15/06
2,3,4,6-Tetrachlorophenol	ND	ug/Kg dry	1840	50.8000	1	05/15/06
2,4,5-Trichlorophenol	ND	ug/Kg dry	367	68.4000	1	05/15/06
2,4,6-Trichlorophenol	ND	ug/Kg dry	367	38.4000	1	05/15/06
2,4-Dichlorophenol	ND	ug/Kg dry	367	43.0000	1	05/15/06
2,4-Dimethylphenol	ND	ug/Kg dry	367	30.8000	1	05/15/06
2,4-Dinitrophenol	ND	ug/Kg dry	1840	428.0000	1	05/15/06
2,4-Dinitrotoluene	ND	ug/Kg dry	367	55.2000	1	05/15/06
2,6-Dinitrotoluene	ND	ug/Kg dry	367	38.4000	1	05/15/06
2-Chloronaphthalene	ND	ug/Kg dry	367	39.8000	1	05/15/06
2-Chlorophenol	ND	ug/Kg dry	367	49.2000	1	05/15/06
2-Methylnaphthalene	ND	ug/Kg dry	367	36.4000	1	05/15/06
2-Methylphenol	ND	ug/Kg dry	367	26.4000	1	05/15/06
2-Nitroaniline	ND	ug/Kg dry	367	47.8000	1	05/15/06
2-Nitrophenol	ND	ug/Kg dry	367	39.4000	1	05/15/06
3,3'-Dichlorobenzidine	ND	ug/Kg dry	736	49.2000	1	05/15/06
3+4-Methylphenol	ND	ug/Kg dry	736	34.4000	1	05/15/06
3-Nitroaniline	ND	ug/Kg dry	367	46.4000	1	05/15/06
4,6-Dinitro-2-Methylphenol	ND	ug/Kg dry	1840	45.0000	1	05/15/06
4-Bromophenyl-phenylether	ND	ug/Kg dry	367	56.2000	1	05/15/06
4-Chloro-3-Methylphenol	ND	ug/Kg dry	367	49.6000	1	05/15/06
4-Chloroaniline	ND	ug/Kg dry	736	252.0000	1	05/15/06
4-Chloro-phenyl-phenyl ether	ND	ug/Kg dry	367	42.2000	1	05/15/06
4-Nitroaniline	ND	ug/Kg dry	367	49.0000	1	05/15/06
4-Nitrophenol	ND	ug/Kg dry	1840	404.0000	1	05/15/06
Acenaphthene	J 65.1	ug/Kg dry	367	54.0000	1	05/15/06
Acenaphthylene	J 220	ug/Kg dry	367	35.6000	1	05/15/06
Acetophenone	ND	ug/Kg dry	736	474.0000	1	05/15/06
Aniline	ND	ug/Kg dry	1840	53.0000	1	05/15/06
Anthracene	601	ug/Kg dry	367	41.8000	1	05/15/06
Azobenzene	ND	ug/Kg dry	367	77.0000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 30.9
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Benzo(a)anthracene	2220	ug/Kg dry	367	37.8000	1	05/15/06
Benzo(a)pyrene	1950	ug/Kg dry	184	39.0000	1	05/15/06
Benzo(b)fluoranthene	2190	ug/Kg dry	367	68.0000	1	05/15/06
Benzo(g,h,i)perylene	944	ug/Kg dry	367	43.0000	1	05/15/06
Benzo(k)fluoranthene	1480	ug/Kg dry	367	64.2000	1	05/15/06
Benzoic Acid	ND	ug/Kg dry	1840	464.0000	1	05/15/06
Benzyl Alcohol	ND	ug/Kg dry	367	44.0000	1	05/15/06
bis(2-Chloroethoxy)methane	ND	ug/Kg dry	367	30.8000	1	05/15/06
bis(2-Chloroethyl)ether	ND	ug/Kg dry	367	58.0000	1	05/15/06
bis(2-chloroisopropyl)Ether	ND	ug/Kg dry	367	41.4000	1	05/15/06
bis(2-Ethylhexyl)phthalate	J 73.2	ug/Kg dry	367	48.6000	1	05/15/06
Butylbenzylphthalate	ND	ug/Kg dry	367	38.4000	1	05/15/06
Carbazole	J 349	ug/Kg dry	367	48.2000	1	05/15/06
Chrysene	1930	ug/Kg dry	184	46.2000	1	05/15/06
Dibenzo(a,h)Anthracene	328	ug/Kg dry	184	45.2000	1	05/15/06
Dibenzofuran	J 135	ug/Kg dry	367	40.8000	1	05/15/06
Diethylphthalate	ND	ug/Kg dry	367	53.4000	1	05/15/06
Dimethylphthalate	ND	ug/Kg dry	367	50.8000	1	05/15/06
Di-n-butylphthalate	ND	ug/Kg dry	367	45.6000	1	05/15/06
Di-n-octylphthalate	ND	ug/Kg dry	367	50.0000	1	05/15/06
Fluoranthene	5260	ug/Kg dry	367	44.2000	1	05/15/06
Fluorene	J 139	ug/Kg dry	367	35.0000	1	05/15/06
Hexachlorobenzene	ND	ug/Kg dry	367	51.8000	1	05/15/06
Hexachlorobutadiene	ND	ug/Kg dry	367	67.8000	1	05/15/06
Hexachlorocyclopentadiene	ND	ug/Kg dry	1840	210.0000	1	05/15/06
Hexachloroethane	ND	ug/Kg dry	367	41.4000	1	05/15/06
Indeno(1,2,3-cd)Pyrene	920	ug/Kg dry	367	53.0000	1	05/15/06
Isophorone	ND	ug/Kg dry	367	30.8000	1	05/15/06
Naphthalene	ND	ug/Kg dry	367	36.8000	1	05/15/06
Nitrobenzene	ND	ug/Kg dry	367	47.6000	1	05/15/06
N-Nitrosodimethylamine	ND	ug/Kg dry	367	62.2000	1	05/15/06
N-Nitroso-Di-n-Propylamine	ND	ug/Kg dry	367	45.4000	1	05/15/06
N-nitrosodiphenylamine	ND	ug/Kg dry	367	39.2000	1	05/15/06
Pentachlorophenol	ND	ug/Kg dry	1840	378.0000	1	05/15/06
Phenanthrene	3250	ug/Kg dry	367	50.6000	1	05/15/06
Phenol	ND	ug/Kg dry	367	37.6000	1	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88
Initial Volume: 30.9
Final Volume: 1
Extraction Method: 3550B

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil
Analyst: ML
Prepared: 05/13/06

8270C Semi-Volatile Organic Compounds

Pyrene	4410	ug/Kg dry	367	34.2000	1	05/15/06
Pyridine	ND	ug/Kg dry	1840	83.0000	1	05/15/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichlorobenzene-d4	77 %		30-130
Surrogate: 2,4,6-Tribromophenol	97 %		30-130
Surrogate: 2-Chlorophenol-d4	79 %		30-130
Surrogate: 2-Fluorobiphenyl	86 %		30-130
Surrogate: 2-Fluorophenol	80 %		30-130
Surrogate: Nitrobenzene-d5	80 %		30-130
Surrogate: Phenol-d6	81 %		30-130
Surrogate: p-Terphenyl-d14	96 %		30-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: H1
Date Sampled: 05/12/06 13:00
Percent Solids: 88

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-05
Sample Matrix: Soil

Classical Chemistry

<u>Analyte</u>		<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>Method</u>	<u>DF</u>	<u>Analyst</u>	<u>Analyzed</u>
Corrosivity (pH)		8.45	S.U.	N/A	9045	1	AR	05/12/06 17:40
Flashpoint	>	200	°F	N/A	1010	1	NMT	05/16/06
Reactive Cyanide		ND	mg/kg	2.0	7.3.3.2	1	NMT	05/15/06
Reactive Sulfide		ND	mg/kg	2.0	7.3.4.1	1	NMT	05/15/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: Trip Blank
Date Sampled: 05/12/06 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-06
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

<u>Analyte</u>	<u>Results</u>	<u>Units</u>	<u>MRL</u>	<u>2xMDL</u>	<u>DF</u>	<u>Analyzed</u>
1,1,1,2-Tetrachloroethane	ND	ug/Kg	100	64.0000	1	05/16/06
1,1,1-Trichloroethane	ND	ug/Kg	50.0	24.0000	1	05/16/06
1,1,2,2-Tetrachloroethane	ND	ug/Kg	50.0	28.0000	1	05/16/06
1,1,2-Trichloroethane	ND	ug/Kg	50.0	42.0000	1	05/16/06
1,1-Dichloroethane	ND	ug/Kg	50.0	28.0000	1	05/16/06
1,1-Dichloroethene	ND	ug/Kg	50.0	22.0000	1	05/16/06
1,1-Dichloropropene	ND	ug/Kg	50.0	18.0000	1	05/16/06
1,2,3-Trichlorobenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
1,2,3-Trichloropropane	ND	ug/Kg	50.0	50.0000	1	05/16/06
1,2,4-Trichlorobenzene	ND	ug/Kg	50.0	20.0000	1	05/16/06
1,2,4-Trimethylbenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
1,2-Dibromo-3-Chloropropane	ND	ug/Kg	250	200.0000	1	05/16/06
1,2-Dibromoethane	ND	ug/Kg	50.0	20.0000	1	05/16/06
1,2-Dichlorobenzene	ND	ug/Kg	50.0	20.0000	1	05/16/06
1,2-Dichloroethane	ND	ug/Kg	50.0	24.0000	1	05/16/06
1,2-Dichloropropane	ND	ug/Kg	50.0	28.0000	1	05/16/06
1,3,5-Trimethylbenzene	ND	ug/Kg	50.0	26.0000	1	05/16/06
1,3-Dichlorobenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
1,3-Dichloropropane	ND	ug/Kg	50.0	18.0000	1	05/16/06
1,4-Dichlorobenzene	ND	ug/Kg	50.0	26.0000	1	05/16/06
1,4-Dioxane - Screen	ND	ug/Kg	5000	5000.0000	1	05/16/06
1-Chlorohexane	ND	ug/Kg	50.0	24.0000	1	05/16/06
2,2-Dichloropropane	ND	ug/Kg	100	46.0000	1	05/16/06
2-Butanone	ND	ug/Kg	1250	408.0000	1	05/16/06
2-Chlorotoluene	ND	ug/Kg	50.0	28.0000	1	05/16/06
2-Hexanone	ND	ug/Kg	500	100.0000	1	05/16/06
4-Chlorotoluene	ND	ug/Kg	50.0	24.0000	1	05/16/06
4-Isopropyltoluene	ND	ug/Kg	50.0	24.0000	1	05/16/06
4-Methyl-2-Pentanone	ND	ug/Kg	500	126.0000	1	05/16/06
Acetone	ND	ug/Kg	1250	850.0000	1	05/16/06
Benzene	ND	ug/Kg	50.0	28.0000	1	05/16/06
Bromobenzene	ND	ug/Kg	50.0	20.0000	1	05/16/06
Bromochloromethane	ND	ug/Kg	50.0	30.0000	1	05/16/06
Bromodichloromethane	ND	ug/Kg	50.0	26.0000	1	05/16/06
Bromoform	ND	ug/Kg	50.0	22.0000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: Trip Blank
Date Sampled: 05/12/06 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-06
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Bromomethane	ND	ug/Kg	100	20.0000	1	05/16/06
Carbon Disulfide	ND	ug/Kg	50.0	24.0000	1	05/16/06
Carbon Tetrachloride	ND	ug/Kg	50.0	26.0000	1	05/16/06
Chlorobenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
Chloroethane	ND	ug/Kg	100	60.0000	1	05/16/06
Chloroform	ND	ug/Kg	50.0	22.0000	1	05/16/06
Chloromethane	ND	ug/Kg	100	30.0000	1	05/16/06
cis-1,2-Dichloroethene	ND	ug/Kg	50.0	28.0000	1	05/16/06
cis-1,3-Dichloropropene	ND	ug/Kg	50.0	20.0000	1	05/16/06
Dibromochloromethane	ND	ug/Kg	50.0	16.0000	1	05/16/06
Dibromomethane	ND	ug/Kg	50.0	26.0000	1	05/16/06
Dichlorodifluoromethane	ND	ug/Kg	50.0	22.0000	1	05/16/06
Diethyl Ether	ND	ug/Kg	50.0	28.0000	1	05/16/06
Di-isopropyl ether	ND	ug/Kg	50.0	22.0000	1	05/16/06
Ethyl tertiary-butyl ether	ND	ug/Kg	50.0	20.0000	1	05/16/06
Ethylbenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
Hexachlorobutadiene	ND	ug/Kg	50.0	44.0000	1	05/16/06
Isopropylbenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
Methyl tert-Butyl Ether	ND	ug/Kg	50.0	22.0000	1	05/16/06
Methylene Chloride	J 50.0	ug/Kg	250	38.0000	1	05/16/06
Naphthalene	ND	ug/Kg	50.0	16.0000	1	05/16/06
n-Butylbenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
n-Propylbenzene	ND	ug/Kg	50.0	20.0000	1	05/16/06
sec-Butylbenzene	ND	ug/Kg	50.0	24.0000	1	05/16/06
Styrene	ND	ug/Kg	50.0	24.0000	1	05/16/06
tert-Butylbenzene	ND	ug/Kg	50.0	22.0000	1	05/16/06
Tertiary-amyl methyl ether	ND	ug/Kg	50.0	28.0000	1	05/16/06
Tetrachloroethene	ND	ug/Kg	50.0	24.0000	1	05/16/06
Tetrahydrofuran	ND	ug/Kg	250	200.0000	1	05/16/06
Toluene	ND	ug/Kg	50.0	26.0000	1	05/16/06
trans-1,2-Dichloroethene	ND	ug/Kg	50.0	32.0000	1	05/16/06
trans-1,3-Dichloropropene	ND	ug/Kg	50.0	24.0000	1	05/16/06
Trichloroethene	ND	ug/Kg	50.0	22.0000	1	05/16/06
Trichlorofluoromethane	ND	ug/Kg	50.0	26.0000	1	05/16/06
Vinyl Acetate	ND	ug/Kg	250	38.0000	1	05/16/06
Vinyl Chloride	ND	ug/Kg	50.0	24.0000	1	05/16/06

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham
Client Sample ID: Trip Blank
Date Sampled: 05/12/06 00:00
Percent Solids: N/A
Initial Volume: 15
Final Volume: 15
Extraction Method: 5035

ESS Laboratory Work Order: 0605226
ESS Laboratory Sample ID: 0605226-06
Sample Matrix: Solid
Analyst: RES

5035/8260B Volatile Organic Compounds / Methanol

Xylene O	ND	ug/Kg	50.0	18.0000	1	05/16/06
Xylene P,M	ND	ug/Kg	100	48.0000	1	05/16/06
Xylenes (Total)	ND	ug/Kg	300	62.0000		05/16/06

	%Recovery	Qualifier	Limits
Surrogate: 1,2-Dichloroethane-d4	90 %		70-130
Surrogate: 4-Bromofluorobenzene	96 %		70-130
Surrogate: Dibromofluoromethane	103 %		70-130
Surrogate: Toluene-d8	104 %		70-130

ESS Laboratory

Division of Thielsch Engineering, Inc.

CERTIFICATE OF ANALYSIS

Client Name: EA Engineering, Science, and Technology
Client Project ID: Gorham

ESS Laboratory Work Order: 0605226

Notes and Definitions

- J Reported between 2xMDL and MRL; Estimated value.
- > Greater than.
- + Outside QC Limits.
- 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
- mg/kg Results reported as wet weight
- TCLP Toxicity Characteristic Leachate Procedure
- I/V Initial Volume
- F/V Final Volume
- § Subcontracted analysis; see attached report
- TIC A forward library search of the NBS Mass Spectral Library was performed on this sample using the McLafferty Probability Base Matching (PBM) Algorithm. An estimated concentration of non-TCL compounds tentatively identified is quantified by the internal standard method. The nearest internal standard free of interferences was used to quantify. A response factor of one was assumed. This search was inclusive of the ten largest peaks greater than ten percent of the nearest internal standard.
- 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.
- NR No Recovery
- ¶ The state of RI does not grant certification for this method for non-potables.

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 Standard Other 4 Day Turnaround
 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 RI
 Is this project for any of the following: USACE Other Navy
 Reporting Limits As low as practical
 Electronic Deliverable X Yes No
 Format: Excel Acc PDF X Other

ESS LAB Sample #	Date	Collection Time	COMP	GRAB	MATRIX	Sample Identification (20 Char. or less)	Pres Code	Number of Containers	Type of Containers	Circle and/or Write Required Analysis																													
										8260 VOA	624	524.2	8021 MTBE/BTEX	8015 GRO	VPH w/targets	8100 TPH	8015 DRO	EPH w/o PAHs	EPH w/PAHs	EPH 4 Diesel	8081 Pesticides	8082 PCB	608 Pesticides	608 PCB	8270 SVOA	625	PAH 8270	RCRA5	RCRA8	PP13	TAL23	TCLP-RCRA	NBC7	MCP-METALS (13)	MCP-METALS (13) w/Hr				
1	5-12-06	12:50		X	S	F3		1/63	X																														
2	12:15			X	S	F5																																	
3	12:30			X	S	F3																																	
4	12:45			X	S	A3																																	
5	12:10			X	S	H1																																	
6						Trip Blank																																	

Co. Name: EA Engineering, Science, & Tech Project # WRL501-0018 Project Name (20 Char. or less) Gorkham
 Contact Person: Peter Grivetz Address: 2350 Post Rd
 City: Morristown State: RI ZIP: 02888 PO#:
 Telephone #: 401-736-3440 Fax #: 401-736 Email Address: pgrivetz@esscorp.com
 Container Type: P-Poly 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 Internal Use Only
 Seals Intact: Yes No NA: I Pickup
 Cooler Temp: 51 I Technicians
 Requisitioned by: (Signature) [Signature] Date/Time 5/12/06 1552 Received by: (Signature) [Signature] Date/Time 5/12/06 1552
 Relinquished by: (Signature) [Signature] Date/Time 5/12/06 1552 Relinquished by: (Signature) [Signature] Date/Time 5/12/06 1552
 Comments: 4. Low TAT on Jim Franks @ 25% surcharge. Had PDF by 5pm Thurs 5/18.

* By circling MA-MCP, client acknowledges samples were collected in accordance with MADEP CAM VIIA. Please fax all changes to Chain of Custody in writing. 1 (White) Lab Copy 2 (Yellow) Client Receipt 10/26/04 B