

APPENDIX Q

Imported Clean Fill Laboratory Analytical Results

Thomas M. Santarsiero
Regional Manager

**Analytical Testing Results Summary for Unclassified Fill Sample
Taken From LCA-Russo Source (Sample LCA-Russo)**

**Alltiff Landfill Site/Ramco Steel Site
Buffalo, New York**

Parameter	Recommended Soil Cleanup Objective ppm	Eastern USA Background ppm	LCA-Russo ppm
VOC - EPA Method 8260 (ppm)			
No Compounds Detected		N/A	N/D
SVOC - EPA Method 8270 (ppm)			
No Compounds Detected		N/A	N/D
TAL Metals including Cyanide and Mercury - EPA Methods 6010 and 7174 A)			
Aluminum	SB	33,000	21,300
Arsenic	7.5 or SB	3-12	8.00
Barium	300 or SB	15-600	89.2
Calcium	SB	130-35,000	2,090
Chromium	10 or SB	1.5-40	27.1
Cobalt	30 or SB	2.5-60	18.90
Copper	25 or SB	1-50	46.0
Iron	2000 or SB	2000-550,000	37,100
Lead	SB	See Note 5	16.0
Magnesium	SB	100-5000	8,180
Manganese	SB	50-5000	473
Nickel	13 or SB	0.5-25	50.5
Potassium	SB	8500-43,000	1,200
Vanadium	150 or SB	1-300	19.3
Zinc	20 or SB	9-50	86.4

Notes:

1. Only compounds detected are presented on this table. Refer to original data sheets for list of all compounds included in analysis.
2. Analytical testing completed by GZA GeoEnvironmental Laboratories, Inc.
3. Recommended soil cleanup objectives are based on the Division Technical and Administrative Guidance Memorandum (TAGM) 4046 on Determination of Soil Cleanup Objectives and Cleanup Levels in its final form.
4. ND = not detected, NA = not available
5. Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.
6. mg/kg = ppm

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

Laboratory Identification Numbers:
MA: MA092 NH: 2028 RI: 236
CT: PH0579 OK: 9928 NC: 615
NY (NELAC): 11063

ANALYTICAL DATA REPORT

GZA GeoEnvironmental of NY
364 Nagel Drive
Buffalo, NY 14225
(716)685-2300
Bart Klettke

Project No.: 21.0055814.00
Work Order No.: 0407-00059
Date Received: 7/14/04
Date Reported: 7/19/04

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
7/12/2004	Solid	0407-00059 001	LCA-RUSSO

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106 South Street
Hopkinton, MA 01748

ANALYTICAL REPORT

GZA GeoEnvironmental of NY
364 Nagel Drive
Buffalo, NY 14225

Bart Klettke

Project Name: Alltft Landfill
Project No.: 21.0055814.00

Date Received: 7/14/04
Date Reported: 7/19/04
Work Order No.: 0407-00059

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 07/14/04 via GZA courier, x UPS, FEDEX, or hand delivered. The temperature of the temperature blank/ x cooler air, was 8.3 degrees C. The samples were received intact for all requested analyses. Analyses for Sodium, Potassium and Cyanide were subcontracted to RIAL.

The samples were appropriately preserved in accordance with the method they reference. The VOC samples were preserved in methanol upon receipt at the laboratory.

2. EPA Method 6010/7471 - Metals

Attach QC 6010 07/14/04 - Solid
Attach QC Mercury 07/16/04 - Solid

3. EPA Method 8260 - VOCs

The above samples have been evaluated for the presence of the target analytes at levels between the reporting (quantitation) limit and the method detection limit (MDL) and are reported, when detected, as estimated concentrations (J).

Attach QC 8260 07/15/04 - Solid

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ANALYTICAL REPORT

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364 Nagel Drive
Buffalo, NY 14225

Bart Klettke

Project Name: Alltft Landfill
Project No.: 21.0055814.00

Date Received: 7/14/04
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Work Order No.: 0407-00059

Data Authorized By: 

% R = % Recovery
DF = Dilution Factor
DO = Diluted Out

Method 8260: The current version of the method is 8260B.
Method 8021: The current version of the method is 8021B.
Method 8270: The current version of the method is 8270C.
Method 6010: The current version of the method is 6010B.

Laboratory Identification Numbers:

MA: MA092 NH: 2028
CT: PH0579 RI: 236
NC: 615 NY (NELAC): 11063

Please note that the laboratory signed copy of the chain of custody record is an integral part of the data report.

The laboratory report shall not be reproduced except in full without the written consent of the laboratory.

Soil data is reported on a dry weight basis unless otherwise specified.

Matrix Spike / Matrix Spike Duplicate sets are performed as per each method and are reported at the end of the analytical report if assigned on the chain of custody.

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Hopkinton, MA 01748

ANALYTICAL REPORT

GZA GeoEnvironmental of NY
364 Nagel Drive
Buffalo, NY 14225

Bart Klettke

Project Name: Alltiff Landfill
Project No.: 21.0055814.00

Date Received: 7/14/04
Date Reported: 7/19/04
Work Order No.: 0407-00059

Sample ID: LCA-RUSSO
Sample Date: 7/12/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS	EPA 8260			MQS	7/15/04
Dichlorodifluoromethane	EPA 8260	< 140	ug/kg	MQS	7/15/04
Chloromethane	EPA 8260	< 140	ug/kg	MQS	7/15/04
Vinyl Chloride	EPA 8260	< 70	ug/kg	MQS	7/15/04
Bromomethane	EPA 8260	< 140	ug/kg	MQS	7/15/04
Chloroethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Trichlorofluoromethane	EPA 8260	< 140	ug/kg	MQS	7/15/04
Diethylether	EPA 8260	< 70	ug/kg	MQS	7/15/04
Acetone	EPA 8260	< 700	ug/kg	MQS	7/15/04
1,1-Dichloroethene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Dichloromethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Methyl-Tert-Butyl-Ether	EPA 8260	< 70	ug/kg	MQS	7/15/04
trans-1,2-Dichloroethene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,1-Dichloroethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
2-Butanone	EPA 8260	< 700	ug/kg	MQS	7/15/04
2,2-Dichloropropane	EPA 8260	< 70	ug/kg	MQS	7/15/04
cis-1,2-Dichloroethene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Chloroform	EPA 8260	< 70	ug/kg	MQS	7/15/04
Bromochloromethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Tetrahydrofuran	EPA 8260	< 140	ug/kg	MQS	7/15/04
1,1,1-Trichloroethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,1-Dichloropropene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Carbon Tetrachloride	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2-Dichloroethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Benzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Trichloroethene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2-Dichloropropane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Bromodichloromethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Dibromomethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
4-Methyl-2-Pentanone	EPA 8260	< 140	ug/kg	MQS	7/15/04
cis-1,3-Dichloropropene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Toluene	EPA 8260	< 70	ug/kg	MQS	7/15/04

GZA GeoEnvironmental, Inc.

ANALYTICAL REPORT

Project Name: Alltiff Landfill
 Project No.: 21.0055814.00

Work Order No.: 0407-00059

Sample ID: LCA-RUSSO
 Sample Date: 7/12/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
trans-1,3-Dichloropropene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,1,2-Trichloroethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
2-Hexanone	EPA 8260	< 140	ug/kg	MQS	7/15/04
1,3-Dichloropropane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Tetrachloroethene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Dibromochloromethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2-Dibromoethane (EDB)	EPA 8260	< 140	ug/kg	MQS	7/15/04
Chlorobenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,1,1,2-Tetrachloroethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Ethylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
m&p-Xylene	EPA 8260	< 70	ug/kg	MQS	7/15/04
o-Xylene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Styrene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Bromoform	EPA 8260	< 140	ug/kg	MQS	7/15/04
Isopropylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,1,2,2-Tetrachloroethane	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2,3-Trichloropropane	EPA 8260	< 70	ug/kg	MQS	7/15/04
Bromobenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
n-Propylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
2-Chlorotoluene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,3,5-Trimethylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
4-Chlorotoluene	EPA 8260	< 70	ug/kg	MQS	7/15/04
tert-Butylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2,4-Trimethylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
sec-Butylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
p-Isopropyltoluene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,3-Dichlorobenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,4-Dichlorobenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
n-Butylbenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2-Dichlorobenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2-Dibromo-3-Chloropropane	EPA 8260	< 350	ug/kg	MQS	7/15/04
1,2,4-Trichlorobenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Hexachlorobutadiene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Naphthalene	EPA 8260	< 70	ug/kg	MQS	7/15/04
1,2,3-Trichlorobenzene	EPA 8260	< 70	ug/kg	MQS	7/15/04
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	84.2	% R	MQS	7/15/04
***Toluene-D8	EPA 8260	104	% R	MQS	7/15/04
***4-Bromofluorobenzene	EPA 8260	89.6	% R	MQS	7/15/04
Preparation	EPA 5035	14	DF	MQS	7/15/04

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ANALYTICAL REPORT

Project Name: Alltiff Landfill
 Project No.: 21.0055814.00

Work Order No.: 0407-00059

Sample ID: LCA-RUSSO
 Sample Date: 7/12/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	7/17/04
Phenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
2-Chlorophenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
2-Methylphenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
3&4-Methylphenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
2-Nitrophenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
2,4-Dimethylphenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
Benzoic Acid	EPA 8270	< 3300	ug/kg	CMG	7/17/04
2,4-Dichlorophenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
4-Chloro-3-Methylphenol	EPA 8270	< 660	ug/kg	CMG	7/17/04
2,4,6-Trichlorophenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
2,4,5-Trichlorophenol	EPA 8270	< 330	ug/kg	CMG	7/17/04
2,4-Dinitrophenol	EPA 8270	< 3300	ug/kg	CMG	7/17/04
4-Nitrophenol	EPA 8270	< 1700	ug/kg	CMG	7/17/04
4,6-Dinitro-2-Methylphenol	EPA 8270	< 1700	ug/kg	CMG	7/17/04
Pentachlorophenol	EPA 8270	< 1700	ug/kg	CMG	7/17/04
n-Nitrosodimethylamine	EPA 8270	< 330	ug/kg	CMG	7/17/04
bis(2-Chloroethyl)Ether	EPA 8270	< 330	ug/kg	CMG	7/17/04
1,3-Dichlorobenzene	EPA 8270	< 330	ug/kg	CMG	7/17/04
1,4-Dichlorobenzene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Benzyl Alcohol	EPA 8270	< 660	ug/kg	CMG	7/17/04
1,2-Dichlorobenzene	EPA 8270	< 330	ug/kg	CMG	7/17/04
bis(2-Chloroisopropyl)Ether	EPA 8270	< 330	ug/kg	CMG	7/17/04
n-Nitrosodi-n-Propylamine	EPA 8270	< 330	ug/kg	CMG	7/17/04
Hexachloroethane	EPA 8270	< 330	ug/kg	CMG	7/17/04
Nitrobenzene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Isophorone	EPA 8270	< 330	ug/kg	CMG	7/17/04
bis(2-Chloroethoxy)Methane	EPA 8270	< 330	ug/kg	CMG	7/17/04
1,2,4-Trichlorobenzene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Naphthalene	EPA 8270	< 330	ug/kg	CMG	7/17/04
4-Chloroaniline	EPA 8270	< 660	ug/kg	CMG	7/17/04
Hexachlorobutadiene	EPA 8270	< 330	ug/kg	CMG	7/17/04
2-Methylnaphthalene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Hexachlorocyclopentadiene	EPA 8270	< 1700	ug/kg	CMG	7/17/04
2-Chloronaphthalene	EPA 8270	< 330	ug/kg	CMG	7/17/04
2-Nitroaniline	EPA 8270	< 660	ug/kg	CMG	7/17/04
Dimethylphthalate	EPA 8270	< 330	ug/kg	CMG	7/17/04
Acenaphthylene	EPA 8270	< 330	ug/kg	CMG	7/17/04
2,6-Dinitrotoluene	EPA 8270	< 330	ug/kg	CMG	7/17/04
3-Nitroaniline	EPA 8270	< 660	ug/kg	CMG	7/17/04

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ANALYTICAL REPORT

Project Name: Alltiff Landfill
 Project No.: 21.0055814.00

Work Order No.: 0407-00059

Sample ID: LCA-RUSSO
 Sample Date: 7/12/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
Acenaphthene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Dibenzofuran	EPA 8270	< 330	ug/kg	CMG	7/17/04
2,4-Dinitrotoluene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Diethylphthalate	EPA 8270	< 330	ug/kg	CMG	7/17/04
Fluorene	EPA 8270	< 330	ug/kg	CMG	7/17/04
4-Chlorophenyl Phenyl Ether	EPA 8270	< 330	ug/kg	CMG	7/17/04
4-Nitroaniline	EPA 8270	< 660	ug/kg	CMG	7/17/04
n-Nitrosodiphenylamine	EPA 8270	< 330	ug/kg	CMG	7/17/04
4-Bromophenyl Phenyl Ether	EPA 8270	< 330	ug/kg	CMG	7/17/04
Hexachlorobenzene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Phenanthrene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Anthracene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Carbazole	EPA 8270	< 330	ug/kg	CMG	7/17/04
di-n-Butylphthalate	EPA 8270	< 500	ug/kg	CMG	7/17/04
Fluoranthene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Pyrene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Butylbenzylphthalate	EPA 8270	< 330	ug/kg	CMG	7/17/04
Benzo [a] Anthracene	EPA 8270	< 330	ug/kg	CMG	7/17/04
3,3'-Dichlorobenzidine	EPA 8270	< 660	ug/kg	CMG	7/17/04
Chrysene	EPA 8270	< 330	ug/kg	CMG	7/17/04
bis(2-Ethylhexyl)Phthalate	EPA 8270	< 330	ug/kg	CMG	7/17/04
di-n-Octylphthalate	EPA 8270	< 330	ug/kg	CMG	7/17/04
Benzo [b] Fluoranthene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Benzo [k] Fluoranthene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Benzo [a] Pyrene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Indeno [1,2,3-cd] Pyrene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Dibenzo [a,h] Anthracene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Benzo [g,h,i] Perylene	EPA 8270	< 330	ug/kg	CMG	7/17/04
Surrogates:					
***2-Fluorophenol	EPA 8270	63.7	% R	CMG	7/17/04
***Phenol-D6	EPA 8270	71.8	% R	CMG	7/17/04
***Nitrobenzene-D5	EPA 8270	63.8	% R	CMG	7/17/04
***2-Fluorobiphenyl	EPA 8270	68.2	% R	CMG	7/17/04
***2,4,6-Tribromophenol	EPA 8270	75.3	% R	CMG	7/17/04
***P-Terphenyl-D14	EPA 8270	79.4	% R	CMG	7/17/04
Extraction	EPA 3545	1.0	DF	ARL	7/14/04
METALS-TARGET ANALYTE LIST				AJY	7/19/04
Silver	EPA 6010	<0.524	mg/Kg	AJY	7/19/04
Aluminum	EPA 6010	21300	mg/Kg	AJY	7/19/04
Arsenic	EPA 6010	8.00	mg/Kg	AJY	7/19/04

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ANALYTICAL REPORT

Project Name: Alltift Landfill
 Project No.: 21.0055814.00

Work Order No.: 0407-00059

Sample ID: LCA-RUSSO
 Sample Date: 7/12/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
Barium	EPA 6010	89.2	mg/Kg	AJY	7/19/04
Beryllium	EPA 6010	<0.524	mg/Kg	AJY	7/19/04
Calcium	EPA 6010	2090	mg/Kg	AJY	7/19/04
Cadmium	EPA 6010	<0.524	mg/Kg	AJY	7/19/04
Cobalt	EPA 6010	18.9	mg/Kg	AJY	7/19/04
Chromium	EPA 6010	27.1	mg/Kg	AJY	7/19/04
Copper	EPA 6010	46.0	mg/Kg	AJY	7/19/04
Iron	EPA 6010	37100	mg/Kg	AJY	7/19/04
Mercury	EPA 7471A	<0.0312	mg/Kg	NH	7/16/04
Magnesium	EPA 6010	8180	mg/Kg	AJY	7/19/04
Manganese	EPA 6010	473	mg/Kg	AJY	7/19/04
Nickel	EPA 6010	50.5	mg/Kg	AJY	7/19/04
Lead	EPA 6010	16.0	mg/Kg	AJY	7/19/04
Antimony	EPA 6010	<2.62	mg/Kg	AJY	7/19/04
Selenium	EPA 6010	<2.62	mg/Kg	AJY	7/19/04
Vanadium	EPA 6010	19.3	mg/Kg	AJY	7/19/04
Thallium	EPA 6010	<2.62	mg/Kg	AJY	7/19/04
Zinc	EPA 6010	86.4	mg/Kg	AJY	7/19/04
PERCENT SOLID		87.5	%	TAJ	7/15/04

GZA GeoEnvironmental, Inc
106 South Street
Hopkinton, MA 01748

EPA Method 8260 Solid Method Blank (MB) and Laboratory Control Sample (LCS) Data

Method Blank

Laboratory Control Sample

Date Analyzed:	7/15/2004	Acceptance Limit	Date Analyzed:	7/15/2004	Acceptance Limits	Verdict
Volatile Organics	Conc. ug/L		Spike Concentration = 20ug/L	% Recovery		
dichlorodifluoromethane	< 250	< 250	dichlorodifluoromethane	99.1	70-130	ok
chloromethane	< 250	< 250	chloromethane	95.8	70-130	ok
vinyl chloride	< 250	< 250	vinyl chloride	95.1	70-130	ok
bromomethane	< 250	< 250	bromomethane	81.3	70-130	ok
chloroethane	< 250	< 250	chloroethane	83.1	70-130	ok
trichlorofluoromethane	< 250	< 250	trichlorofluoromethane	96.0	70-130	ok
diethyl ether	< 500	< 500	diethyl ether	87.2	70-130	ok
acetone	< 1300	< 1300	acetone	93.4	70-130	ok
1,1-dichloroethene	< 130	< 130	1,1-dichloroethene	96.5	70-130	ok
FREON-113	< 250	< 250	FREON-113	97.0	70-130	ok
carbon disulfide	< 250	< 250	carbon disulfide	95.3	70-130	ok
dichloromethane	< 250	< 250	dichloromethane	93.4	70-130	ok
tert-butyl alcohol (TBA)	< 1300	< 1300	tert-butyl alcohol (TBA)	87.4	70-130	ok
methyl-tert-butyl-ether	< 250	< 250	methyl-tert-butyl-ether	89.2	70-130	ok
trans-1,2-dichloroethane	< 130	< 130	trans-1,2-dichloroethane	100	70-130	ok
1,1-dichloroethane	< 130	< 130	1,1-dichloroethane	102	70-130	ok
di-isopropyl ether (DIPE)	< 250	< 250	di-isopropyl ether (DIPE)	97.9	70-130	ok
ethyl tert-butyl ether (ETBE)	< 250	< 250	ethyl tert-butyl ether (ETBE)	102	70-130	ok
2-butanone	< 1300	< 1300	2-butanone	97.1	70-130	ok
2,2-dichloropropane	< 130	< 130	2,2-dichloropropane	119	70-130	ok
cis-1,2-dichloroethene	< 130	< 130	cis-1,2-dichloroethene	101	70-130	ok
chloroform	< 130	< 130	chloroform	100	70-130	ok
bromochloromethane	< 130	< 130	bromochloromethane	96.7	70-130	ok
tetrahydrofuran	< 750	< 750	tetrahydrofuran	94.7	70-130	ok
1,1,1-trichloroethane	< 130	< 130	1,1,1-trichloroethane	103	70-130	ok
1,1-dichloropropene	< 130	< 130	1,1-dichloropropene	100	70-130	ok
carbon tetrachloride	< 130	< 130	carbon tetrachloride	102	70-130	ok
1,2-dichloroethane	< 130	< 130	1,2-dichloroethane	91.4	70-130	ok
benzene	< 130	< 130	benzene	98.1	70-130	ok
tert-amyl methyl ether (TAME)	< 250	< 250	tert-amyl methyl ether (TAME)	95.3	70-130	ok
trichloroethene	< 130	< 130	trichloroethene	99.2	70-130	ok
1,2-dichloropropane	< 130	< 130	1,2-dichloropropane	94.4	70-130	ok
bromodichloromethane	< 130	< 130	bromodichloromethane	98.1	70-130	ok
1,4-Dioxane	< 2500	< 2500	1,4-Dioxane	98.3	70-130	ok
4-bromomethane	< 130	< 130	4-bromomethane	96.5	70-130	ok
4-methyl-2-pentanone	< 250	< 250	4-methyl-2-pentanone	83.7	70-130	ok
cis-1,3-dichloropropene	< 130	< 130	cis-1,3-dichloropropene	99.2	70-130	ok
toluene	< 130	< 130	toluene	101	70-130	ok
trans-1,3-dichloropropene	< 130	< 130	trans-1,3-dichloropropene	99.4	70-130	ok
1,1,2-trichloroethane	< 250	< 250	1,1,2-trichloroethane	97.5	70-130	ok
2-hexanone	< 250	< 250	2-hexanone	92.4	70-130	ok
1,3-dichloropropane	< 130	< 130	1,3-dichloropropane	94.3	70-130	ok
tetrachloroethene	< 130	< 130	tetrachloroethene	104	70-130	ok
1,2-dibromochloromethane	< 130	< 130	1,2-dibromochloromethane	95.4	70-130	ok
1,2-dibromomethane (EDB)	< 130	< 130	1,2-dibromomethane (EDB)	96.1	70-130	ok
chlorobenzene	< 130	< 130	chlorobenzene	99.4	70-130	ok
1,1,1,2-tetrachloroethane	< 130	< 130	1,1,1,2-tetrachloroethane	96.4	70-130	ok
ethylbenzene	< 130	< 130	ethylbenzene	101	70-130	ok
1,1,2,2-tetrachloroethane	< 130	< 130	1,1,2,2-tetrachloroethane	91.9	70-130	ok
m&p-xylene	< 130	< 130	m&p-xylene	99.5	70-130	ok
o-xylene	< 130	< 130	o-xylene	105	70-130	ok
styrene	< 130	< 130	styrene	101	70-130	ok
bromoforn	< 130	< 130	bromoforn	98.2	70-130	ok
isopropylbenzene	< 130	< 130	isopropylbenzene	105	70-130	ok
1,2,3-trichloropropane	< 130	< 130	1,2,3-trichloropropane	92.2	70-130	ok
bromobenzene	< 130	< 130	bromobenzene	99.3	70-130	ok
n-propylbenzene	< 130	< 130	n-propylbenzene	107	70-130	ok
2-chlorotoluene	< 130	< 130	2-chlorotoluene	103	70-130	ok
1,3,5-trimethylbenzene	< 130	< 130	1,3,5-trimethylbenzene	106	70-130	ok
4-chlorotoluene	< 130	< 130	4-chlorotoluene	107	70-130	ok
tert-butyl-benzene	< 130	< 130	tert-butyl-benzene	105	70-130	ok
1,2,4-trimethylbenzene	< 130	< 130	1,2,4-trimethylbenzene	103	70-130	ok
sec-butyl-benzene	< 130	< 130	sec-butyl-benzene	105	70-130	ok
p-isopropyltoluene	< 750	< 750	p-isopropyltoluene	106	70-130	ok
1,3-dichlorobenzene	< 130	< 130	1,3-dichlorobenzene	102	70-130	ok
1,4-dichlorobenzene	< 130	< 130	1,4-dichlorobenzene	99.2	70-130	ok
n-butylbenzene	< 130	< 130	n-butylbenzene	106	70-130	ok
1,2-dichlorobenzene	< 130	< 130	1,2-dichlorobenzene	101	70-130	ok
1,2-dibromo-3-chloropropane	< 130	< 130	1,2-dibromo-3-chloropropane	96.0	70-130	ok
1,2,4-trichlorobenzene	< 130	< 130	1,2,4-trichlorobenzene	99.0	70-130	ok
hexachlorobutadiene	< 130	< 130	hexachlorobutadiene	102	70-130	ok
naphthalene	< 130	< 130	naphthalene	86.8	70-130	ok
1,2,3-trichlorobenzene	< 130	< 130	1,2,3-trichlorobenzene	93.7	70-130	ok

SMF criteria allows 5 compounds to be outside acceptance limits

Surrogates:	Recovery (%)	Acceptance Limits	Surrogates:	Recovery (%)	Acceptance Limits	Verdict
DIBROMOFLUOROMETHANE	104	70-130	DIBROMOFLUOROMETHANE	96.6	70-130	ok
1,2-DICHLOROETHANE-D4	100	70-130	1,2-DICHLOROETHANE-D4	103	70-130	ok
TOLUENE-D8	106	70-130	TOLUENE-D8	98.1	70-130	ok
4-BROMOFLUOROBENZENE	92.8	70-130	4-BROMOFLUOROBENZENE	96.8	70-130	ok
1,2-DICHLOROBENZENE-D4	94.6	70-130	1,2-DICHLOROBENZENE-D4	96.6	70-130	ok

GZA GEOENVIRONMENTAL, INC.
ENVIRONMENTAL CHEMISTRY LABORATORY
106 SOUTH ST, HOPKINTON, MA 01748
MASSACHUSETTS LABORATORY I.D. NO. MA092

EPA METHOD 6010B ANALYSIS
Metals by ICP

QUALITY CONTROL - SOLID

DATE PREPARED: 07/13/2004

QC Sample	Method Blank	Lab Control Sample
Units	mg/kg	% Recovery
Acceptance Limits	Results	80-120 %
Analyte		
Silver (Ag)	<0.500	91.3
Aluminum (Al)	<2.500	106
Arsenic (As)	<1.000	102
Boron (B)	NA	NA
Barium (Ba)	<0.500	97.5
Beryllium (Be)	<0.500	100
Calcium (Ca)	<2.500	119
Cadmium (Cd)	<0.500	100
Cobalt (Co)	<1.000	101
Chromium (Cr)	<0.500	97.5
Copper (Cu)	<1.500	119
Iron (Fe)	<2.500	101
Magnesium (Mg)	<2.500	103
Manganese (Mn)	NA	NA
Molybdenum (Mo)	NA	NA
Nickel (Ni)	<1.000	98.3
Lead (Pb)	<1.000	100
Antimony (Sb)	<2.500	102
Selenium (Se)	<2.500	105
Strontium (Sr)	NA	NA
Titanium (Ti)	NA	NA
Thallium (Tl)	<2.500	97.7
Vanadium (V)	<0.500	97.1
Zinc (Zn)	<1.000	112
Zirconium (Zr)	NA	NA

Matrix Spike / Duplicate Spike performed as per method and reported if assigned on Chain of Custody.

GZA GEOENVIRONMENTAL, INC.
ENVIRONMENTAL CHEMISTRY LABORATORY
106 SOUTH ST, HOPKINTON, MA 01748
MASSACHUSETTS LABORATORY I.D. NO. MA092

EPA METHOD 7470/7471 ANALYSIS
Mercury by Cold Vapor Atomic Absorption

QUALITY CONTROL - SOLID

Date Analyzed: 07/16/2004

QC Sample	Method Blank	Lab Control Sample
Units	mg/L	% Recovery
Acceptance Limits	Results	85-115 %
Analyte		
Mercury (Hg)	<0.040 (solid)	92.1

Matrix Spike / Duplicate Spike performed as per method and reported if assigned on Chain of Custody.

CHAIN-OF-CUSTODY RECORD

W.O. # 0407-00059
(for lab use only)

[illegible]

0407-00059

Page 1 of 2



R.I. Analytical

Specialists in Environmental Services

CERTIFICATE OF ANALYSIS

GZA GeoEnvironmental Labs
Attn: Ms. Michelle Miranda
Engineers and Scientists
106 South Street
Hopkinton, MA 01748

Date Received: 07/14/2004
Date Reported: 07/16/2004
P.O. #: 8-26883
Work Order # 0407-10274

DESCRIPTION: PROJECT# 21.0055814 TASK 4 SUBTASK 1 - ALLTIFT LANDFILL

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies and all NELAC requirements were met. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

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

Approved by:



Data Reporting

enc: Chain of Custody

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

GZA GeoEnvironmental Labs

Date Received: 07/14/2004

Work Order #: 0407-10274

Approved by:

Data Reporting

Sample # 001

SAMPLE DESCRIPTION: LCA-RUSSO

SAMPLE TYPE: GRAB

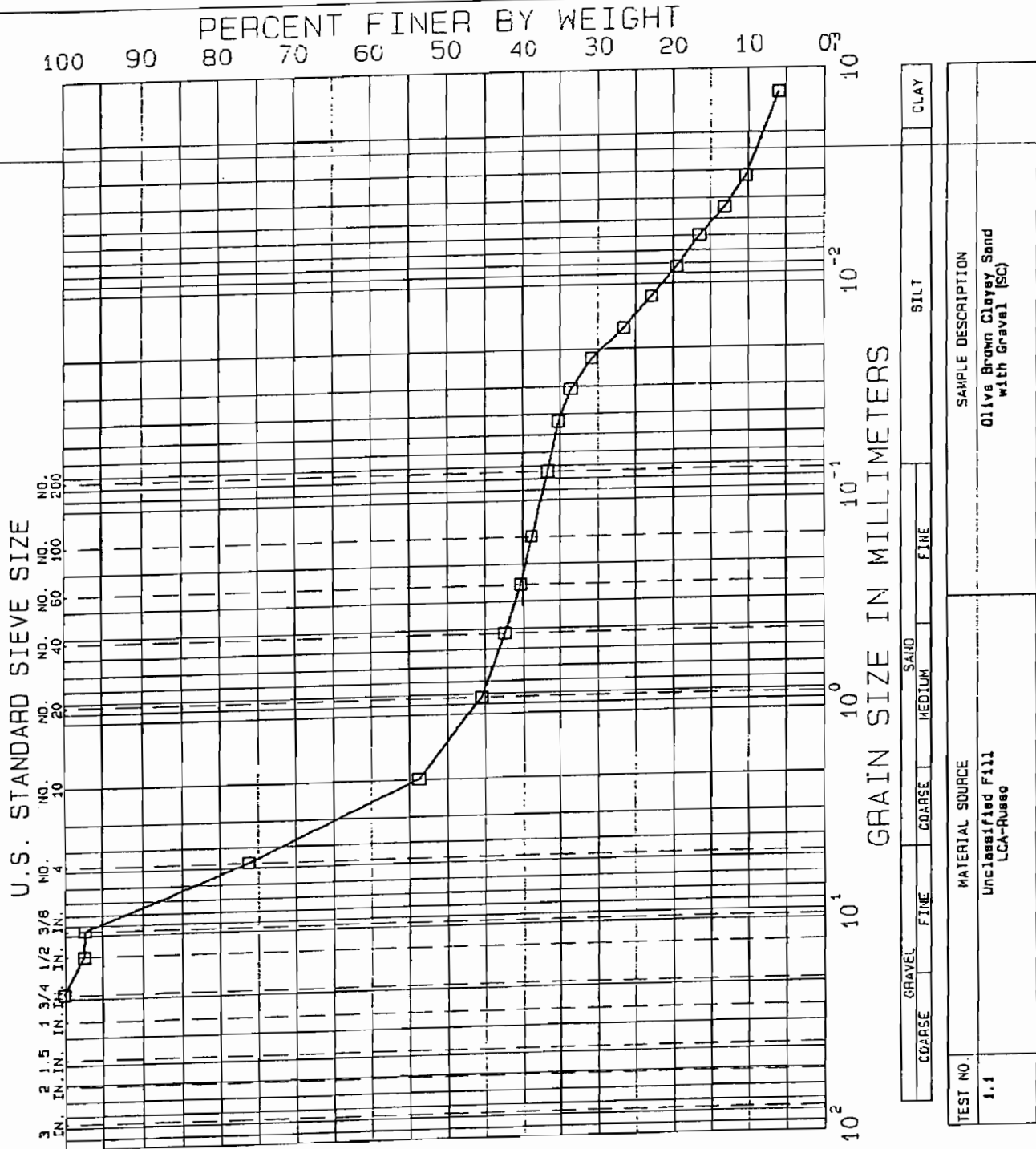
SAMPLE DATE/TIME: 07/12/2004 @ 16:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL CYANIDE	<9.8	9.8	mg/kg dry	SW-846 9010A	07/15/2004	EC
TOTAL METALS						
POTASSIUM	1200	56	mg/kg dry	SW-846 6010	07/16/2004	JNB
SODIUM	<170	170	mg/kg dry	SW-846 6010	07/16/2004	JNB

CHAIN-OF-CUSTODY RECORD

(for lab use only)

[illegible]



Test Procedure Information:

Sample separated on a No. 4 sieve. Sample dispersed with a mechanical stirring device, Type A, for 1 minute.

ALLTIFT LANDFILL
BUFFALO, NEW YORK
PARTICLE-SIZE ANALYSIS

EXPLOR. NO.
SAMPLE NO. LCA-RUSSO
DEPTH
TECH.
REVIEWER DEW

WORK ORDER
NO. 4408
DATE 7/22/04
FILE 55814.00

GEOTECHNICAL LABORATORY TESTING DATA SUMMARY

PROJECT NAME: Alltiff Landfill
 LOCATION: Buffalo, New York
 PROJECT NO. 55814.00

MATERIAL SOURCE: LCA-RUSSO (UNCLASSIFIED FILL)

CLIENT: Tug Hill Construction, Inc.

DATE REPORTED: JULY 23, 2004

WORK ORDER NO. 4408

IDENTIFICATION		WATER CONTENT	ATTERBERG LIMITS			GRAIN SIZE ANALYSIS		MOISTURE-DENSITY RELATIONSHIP (Modified)		PERMEABILITY TEST					LABORATORY LOG AND SOIL DESCRIPTION
EXPLOR. NUMBER	SAMPLE NUMBER	DEPTH ft.	LL %	PL %	PI	SIEVE -200 %	HYD. -2 μ %	MAX. DRY DENSITY pcf	OPT. WATER CONTENT %	PERMEABILITY cm/sec.	TYPE OF TEST	σ_c psf	DRY UNIT WT pcf	WATER CONTENT %	
BULK BAG	LCA-RUSSO		13.2	34	18	37	8	128.0	9.5	1.6E-07	Kr	720	115.2	9.6	Olive Brown Clayey Sand with Gravel (SC)

FALLING HEAD PERMEABILITY TEST

PROJECT	ALLFIFT LANDFILL	FILE NO.	55814
WORK ORDER NO.	4408	SAMPLE NO.	LCA-RUSSO
INITIAL DIAMETER (IN)	2.841	SERIES:	Kr1.1
INITIAL LENGTH (IN)	1.945		
INITIAL WEIGHT (GM)	408.92		
FINAL DIAMETER (IN)	2.869		
FINAL LENGTH (IN)	1.950		
SAT WEIGHT+TARE (GM)	486.22		
DRY WEIGHT+TARE (GM)	423.47		
TARE WEIGHT (GM)	50.48		
INITIAL MOISTURE (%)	9.6	FINAL MOISTURE (%)	16.8
INITIAL DENSITY (PCF)	115.2	FINAL DENSITY (PCF)	112.7
CELL PRESSURE (PSI)	85	SATURATED Gs	2.59
BACK PRESSURE (PSI)	80		
DRIVING PRESSURE (PSI)	82.0		
MAX EFFECTIVE STRESS (PSI)	5	MIN EFF STRS (PSI)	3

READING NO.	TIME (MIN)	INFLOW (CC)	OUTFLOW (CC)	TEMP	GRADIENT	PERMEABILITY (CM/SEC)
	0	0.00	0.00		32	
1	8	0.33	0.05	23.7	31	1.6E-07
2	12	0.42	0.10	23.7	31	1.7E-07
3	16	0.49	0.15	23.7	31	1.6E-07
4	20	0.55	0.20	23.7	31	1.5E-07
5	24	0.61	0.25	23.7	31	1.6E-07
6	28	0.67	0.30	23.7	31	1.6E-07
7	32	0.73	0.35	23.7	30	1.6E-07
8	36	0.78	0.40	23.7	30	1.5E-07
9	40	0.83	0.45	23.7	30	1.5E-07
10					32	#VALUE!
11					32	#VALUE!
12					32	#VALUE!
13					32	#VALUE!
14					32	#VALUE!
15					32	#VALUE!
AVERAGE K BETWEEN READINGS		3	AND	9		1.6E-07
ACCEPTABLE RANGE OF READINGS AVERAGED					1.2E-07	1.9E-07

COMPACTION TEST

Project Name: Alliott Landfill
Buffalo, New York
 Depth: _____
 Exploration No. _____
 Sample Type: Unclassified Fill
 Sample Source: LCA-Russo

File No: 21.0055814.00
 Work Order: 4408
 Lab No: 1.1
 Sample No: LCA-Russo
 Date: 07/20/04

Test: ASTM D 1557 Prep. Method: Dry
 Test Type: Modified No. Layers: 5
 Procedure: A Blows/Layer: 25
 Specific Gravity Gs: 2.70 Hammer: Manual

Mold Des: E : Volume (cft): 0.033
 Weight (lb): 4.4
 Hammer Wt (lb): 10
 Drop Height (in): 18

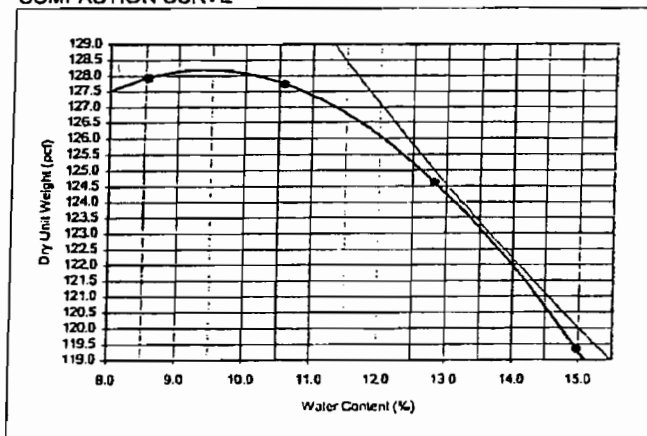
WATER CONTENT

Determination No:	1	2	3	4	5	6
Wt Tare (gm)	48.13	52.55	50.23	50.88		
Wt Tare +Wet Soil (gm)	328.54	373.13	355.66	333.88		
Wt Tare +Dry Soil (gm)	306.48	342.45	320.95	297.03		
Wt Water (gm)	22.06	30.68	34.71	36.85		
Wt Dry Soil (gm)	258.4	289.9	270.7	246.2		
Water Content (%)	8.5	10.6	12.8	15.0		

DENSITY

Determination No:	1	2	3	4	5	6
Wt Mold (gm)	4246	4246	4246	4246		
Wt Mold + Soil (gm)	6337	6373	6363	6312		
Wt Wet Soil (gm)	2091	2127	2117	2066		
Wet Unit Weight (pcf)	138.9	141.3	140.6	137.2		
Dry Unit Weight (pcf)	127.9	127.7	124.6	119.3		
Dry Unit Weight (pcf) zero-air voids	136.9	131.0	125.2	120.0		

COMPACTION CURVE



SUMMARY

OP. WATER CONT. (%)	9.5
MAX. DRY DENS. (pcf)	128.0

Remarks: _____

Carthage Mills



"Since 1958 - America's First Geotextile Company"

Product Data Sheet

■ FX™-120HS

Carthage Mills' FX™-120HS is a multipurpose nonwoven geotextile of 100% polypropylene staple fibers that have been needlepunched and heatset.

PROPERTY	TEST METHOD	DATA	
		METRIC	ENGLISH
☐ Mechanical			
Grab Tensile	ASTM D 4832	1335 N	300 lbs
Grab Tensile Elongation		50%	
Wide Width Tensile	ASTM D 4595	18.3 kN/m	105 lbs/in
Mullen Burst	ASTM D 3786	3995 kPa	580 psi
Puncture	ASTM D 4833	775 N	175 lbs
Trapezoidal Tear	ASTM D 4533	510 N	115 lbs
☐ Endurance			
UV Resistance	ASTM D 4355	70% @ 500 hrs	
☐ Hydraulics / Filtration			
Apparent Opening Size (AOS)	ASTM D 4751	0.150 mm	100 US Std. Sieve
Percent Open Area	CW-02215	0%	
Permittivity	ASTM D 4491	1.00 sec ⁻¹	
Permeability		0.29 cm/sec	
Flow Rate		3055 l/min/m ²	75 gpm/ft ²
☐ Physical / Dimensional			
Mass Per Unit Area (Typical)	ASTM D 5261	406.8 g/m ²	12.0 oz/yd ²
Thickness (Typical)	ASTM D 5199	3.05 mm	120 mils
Standard Roll Sizes / Packaging (Special sizes, packaging and fabrication are available.)	Measured (Typical)	4.57 m x 91.5 m 418 m ² 181.4 kg 54.6-63.6 cm diam.	15.0 ft x 300 ft 500 yd ² 400 lbs 21.5-25 in. diameter

☐ Unless otherwise noted, all properties reported are Minimum Average Roll Values (MARV), and are calculated as the typical minus two standard deviations. Statistically, it yields a 97.7% degree of confidence that any sample taken during quality assurance testing will exceed the value reported.

☐ The properties reported above are effective 02/01/03 and are subject to change without notice.

Seller makes no warranty, expressed or implied, concerning the product furnished hereunder other than at the time of delivery it shall be of the quality and specification stated herein. Any implied warranty of fitness for a particular purpose is expressly excluded, and, to the extent that it is contrary to the foregoing sentence, any implied warranty of merchantability is expressly excluded. Any recommendations made by seller concerning the use or applications of said product are believed reliable and seller makes no warranty or results to be obtained. If the product does not meet Carthage Mills' current published specifications, and the customer gives notice to Carthage Mills before installing the product, then Carthage Mills will replace the product without charge or refund the purchase price.

APPENDIX R

Compaction Test Results for Imported Clean Fill

IN PLACE MOISTURE/DENSITY TEST RESULTS

t: Outer Harbor Site
 (Honeywell Satellite Site)

Location: Buffalo, New York
 Contractor: Tughill Construction Inc.

File Number
 GZA Field Rep.: JNB

Date 9/02/2004
 Report No. 04 -
 Page 1 of 1

DRY DENSITY (PCF)	WATER CONTENT (%)	PROCTOR CODE	% PROCTOR DENSITY	TEST DEPTH (IN)	LIFT THICK (IN)	REMARKS	TEST NO.	DRY DENSITY (PCF)	WATER CONTENT (%)	PROCTOR CODE	% PROCTOR DENSITY	TEST DEPTH (IN)	LIFT THICK (IN)	REMARKS
110.7	11.4	A	86.5	8	10	TEST PERFORMED ON FRESH LIFT	21							
112.3	10.9	A	87.7	8	10	" "	22							
110.0	13.3	A	85.9	8	10	" "	23							
							24							
							25							
							26							
							27							
							28							
							29							
							30							
							31							
							32							
							33							
							34							
							35							
							36							
							37							
							38							
							39							
							40							

TEST NO.	DRY DENSITY (PCF)	WATER CONTENT (%)	PROCTOR CODE	% PROCTOR DENSITY	TEST DEPTH (IN)	LIFT THICK (IN)	REMARKS
21							
22							
23							
24							
25							
26							
27							
28							
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							

NOTES: * See field sketch for approximate locations of moisture/density tests
 1) Soil was additionally compacted
 2) Soil was scarified, watered and recompacted
 3) Soil was scarified, aerated and recompacted

MATERIAL TYPE AND SOURCE
 LCA Russo (Unclassified Fill)

ONAL REMARKS:

GZA GeoEnvironmental of New York

APPENDIX S

Gradation and Organic Content of Topsoil

Tug Hill Construction, Inc.
40 Pine Street
Lockport, NY 14094
(716) 433-6606

Letter of Transmittal

DATE: 01-Sep-04 JOB # T403-200

TO: ROUX Associates, Inc
209 Shafer Street
Island, NY 11749

ATTN: Charlie McGouckin
Glenn Netuschil
RE: Honeywell
Outer Harbour Site

WE ARE SENDING YOU:

☐ SHOP DRAWINGS ☐ PRINTS ☐ PLANS ☐ SAMPLES ☒ SPECIFICATIONS
☐ COPY OF LETTER ☐ CHANGE ORDER

COPIES	DRAWING #	CODE	DESCRIPTION
1		1	Gradation & Organic Content - Topsoil

THESE ARE TRANSMITTED AS CHECKED BELOW:

☐ 1 FOR APPROVAL	☐ 5 APPROVED AS SUBMITTED	☐ 8 RESUBMIT _____ COPIES
☐ 2 FOR YOUR USE	☐ 6 APPROVED AS NOTED	☐ 9 SUBMIT _____ COPIES FOR DIST.
☐ 3 AS REQUESTED	☐ 7 RETURNED FOR CORRECTIONS	
☐ 4 FOR REVIEW	☐ 8	

Glenn,

This is the same topsoil source used for another local Honeywell Site at Lehigh Valley Railroad Site.

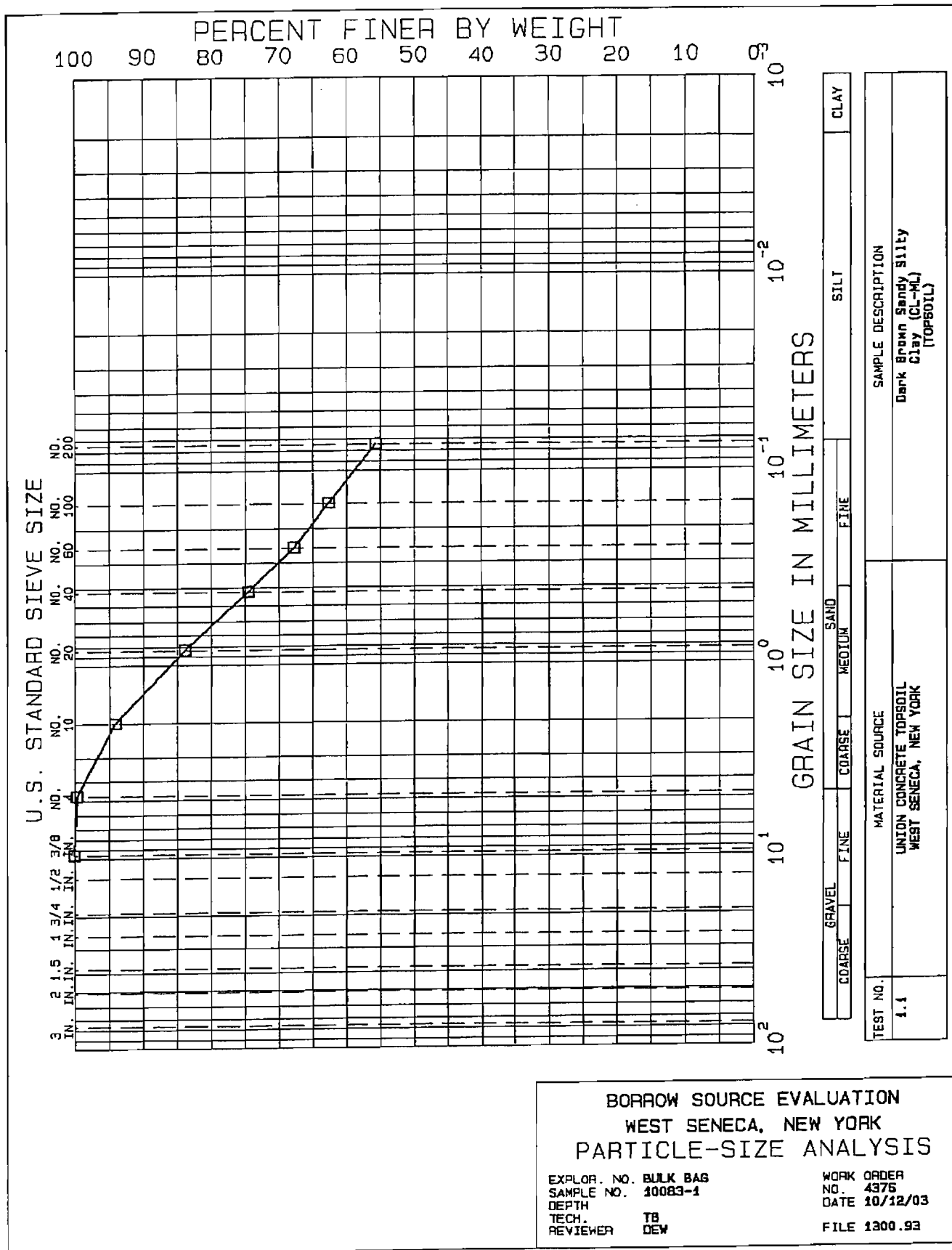
COPY TO: File

SIGNED:


Thomas M. Santarsiero
Regional Manager

WORK ORDER NO. 4376

**GZA GeoEnvironmental of New York
Engineers and Scientists**



GZA GeoEnvironmental of New York
Engineers and Scientists

October 14, 2003

Parsons
180 Lawrence Bell Drive
Suite 100
Williamsville, NY 14221

Attention: Andy Janik

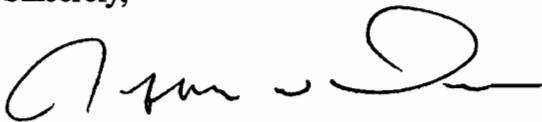
RE: Honeywell – Lehigh Valley Railroad Site Project

Dear Andy,

Tug Hill Construction, Inc. (THC) will be supplying topsoil for the above referenced project from the Union Concrete Topsoil stockpile that is located on North American Drive in West Seneca.

If you have any questions or comments regarding the above, please do not hesitate to contact me at (716) 433-6606.

Sincerely,



Jeffrey W. Dunn
Project Manager
Tug Hill Construction, Inc.

MAIN CORPORATE OFFICE

30802 NYS ROUTE 3 • P.O. BOX 158 • FELTS MILLS, NEW YORK 13638 • (315) 773-4011 • FAX (315) 773-4175

WESTERN DIVISION OFFICE

40 PINE STREET • LOCKPORT, NEW YORK 14094 • (716) 433-6606 • FAX (716) 433-6607



P.O. BOX 648 • WEST SENECA, NEW YORK 14224
TEL: 716-822-5755 • FAX: 716-822-8429

SENT VIA FAX ONLY TO: 433-6607

October 16, 2003

Tug Hill Construction, Inc.
40 Pine Street
Lockport, New York 14094

Attn: Jeff Dunn

Re: Topsoil Pile
Fleet Maintenance – West Seneca

Dear Sir:

Please be advised that any Department of Transportation tests at the above-captioned location have shown no contaminants on this pile.

Very truly yours,

UCC CONSTRUCTORS, INC.

Robert F. Hill (Signature)
Robert F. Hill
President

/bar

LOCATION OF SOURCE
NORTH AMERICAN PARK
COMMERCE DRIVE
WEST SENeca, N.Y. 14224

Analytical Testing Results Summary for Topsoil Taken From North America Drive Source			
Alltiff Landfill Site/Ramco Steel Site Buffalo, New York			
Parameter	Recommended Soil Cleanup Objective ppm	Eastern USA Background ppm	NAD-1 ppm
VOC - EPA Method 8260 (ppm)			
No Compounds Detected		N/A	N/D
SVOC - EPA Method 8270 (ppm)			
No Compounds Detected		N/A	N/D
TAL Metals including Cyanide and Mercury - EPA Methods 6010 and 7174 A (ppm)			
Aluminum	SB	33,000	17,300
Arsenic	7.5 or SB	3-12	7.52
Barium	300 or SB	15-600	95.4
Beryllium	0.16 or SB	0-1.75	0.697
Cadmium	1 or SB	0.1-1	0.983
Calcium	SB	130-35,000	3,940
Chromium	10 or SB	1.5-40	21.8
Cobalt	30 or SB	2.5-60	9.45
Copper	25 or SB	1-50	23.0
Iron	2000 or SB	2000-550,000	21,800
Lead	SB	Sec Note 5	36.30
Magnesium	SB	100-5000	3,240
Manganese	SB	50-5000	654
Mercury	0.1	0.001-0.2	0.0679
Nickel	13 or SB	0.5-25	23.8
Potassium	SB	8500-43,000	1,200
Vanadium	150 or SB	1-300	28.1
Zinc	20 or SB	9-50	115
Conductivity (Relating to Soluble Salt Content)			
Conductivity (See note 7)	(500 ppm per project specifications)	110 uS/cm = 73.7 ppm	
Notes:			
1. Only compounds detected in one or more samples are presented on this table. Refer to original data sheets for list of all compounds included in analysis.			
2. Analytical testing completed by GZA GeoEnvironmental Laboratories, Inc.			
3. Recommended soil cleanup objectives are based on the Division Technical and Administrative Guidance Memorandum (TAGM) 4046 on Determination of Soil Cleanup Objectives and Cleanup Levels in its final form.			
4. ND = not detected, NA = not available			
5. Background levels for lead vary widely. Average levels in undeveloped, rural areas may range from 4-61 ppm. Average background levels in metropolitan or suburban areas or near highways are much higher and typically range from 200-500 ppm.			
6. mg/kg = ppm			
7. uS/cm = microSiemens per centimeter.			

8.17.05

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

Laboratory Identification Numbers:
MA: MA092 NH: 2028 RI: 236
CT: PH0579 OK: 9928 NC: 615
NY (NELAC): 11063

ANALYTICAL DATA REPORT

GZA GeoEnvironmental of NY
364 Nagel Drive
Buffalo, NY 14225
(716)685-2300
Bart Klettke

Project No.: 21.0055814.00
Work Order No.: 0409-00064
Date Received: 9/14/04
Date Reported: 9/22/04

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
9/10/2004	Solid	0409-00064 001	NAD-1

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

ANALYTICAL REPORT

GZA GeoEnvironmental of NY
364 Nagel Drive
Buffalo, NY 14225

Bart Klettke

Project Name: Alltft Landfill
Project No.: 21.0055814.00

Date Received: 9/14/04
Date Reported: 9/22/04
Work Order No.: 0409-00064

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 09/14/04 via GZA courier, x UPS, FEDEX, or hand delivered. The temperature of the temperature blank/ x cooler air, was 9.0 degrees C. The samples were received intact for all requested analyses. Analyses for Potassium, Sodium and Cyanide were subcontracted to RIAL.

The samples were appropriately preserved in accordance with the method they reference. The VOC samples were preserved in methanol upon receipt at the laboratory.

The chain of custody has been modified to reflect the new project numbers.

2. EPA Method 6010/7471 - Metals

Attach QC 6010 09/15/04 - Solid
Attach QC Mercury 09/16/04 - Solid

3. EPA Method 8260 - VOCs

Attach QC 09/14/04 - Solid

4. EPA Method 8270 - SVOCs

Attach QC 8270 09/13/04 - Solid

5. Electrical Conductivity

Conversion $0.11\text{mS/cm} = 73.7\text{mg/kg(ppm)}$

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GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

ANALYTICAL REPORT

GZA GeoEnvironmental of NY
364 Nagel Drive
Buffalo, NY 14225

Bart Klettke

Project Name: Alltiff Landfill
Project No.: 21.0055814.00

Date Received: 9/14/04
Date Reported: 9/22/04
Work Order No.: 0409-00064

Data Authorized By: *[Signature]*

% R = % Recovery
DF = Dilution Factor
DO = Diluted Out

Method 8260: The current version of the method is 8260B.
Method 8021: The current version of the method is 8021B.
Method 8270: The current version of the method is 8270C.
Method 6010: The current version of the method is 6010B.

Laboratory Identification Numbers:

MA: MA092 NH: 2028
CT: PH0579 RI: 236
NC: 615 NY (NELAC): 11063

Please note that the laboratory signed copy of the chain of custody record is an integral part of the data report.

The laboratory report shall not be reproduced except in full without the written consent of the laboratory.

Soil data is reported on a dry weight basis unless otherwise specified.

Matrix Spike / Matrix Spike Duplicate sets are performed as per each method and are reported at the end of the analytical report if assigned on the chain of custody.

8.17.05

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

ANALYTICAL REPORT

GZA GeoEnvironmental of NY
364 Nagel Drive
Buffalo, NY 14225

Bart Klettke

Project Name: Alltiff Landfill
Project No.: 21.0055814.00

Date Received: 9/14/04
Date Reported: 9/22/04
Work Order No.: 0409-00064

Sample ID: NAD-1
Sample Date: 9/10/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
VOLATILE ORGANICS					
Dichlorodifluoromethane	EPA 8260	<200	ug/kg	MQS	9/14/04
Chloromethane	EPA 8260	<200	ug/kg	MQS	9/14/04
Vinyl Chloride	EPA 8260	<100	ug/kg	MQS	9/14/04
Bromomethane	EPA 8260	<200	ug/kg	MQS	9/14/04
Chloroethane	EPA 8260	<100	ug/kg	MQS	9/14/04
Trichlorofluoromethane	EPA 8260	<200	ug/kg	MQS	9/14/04
Diethylether	EPA 8260	<100	ug/kg	MQS	9/14/04
Acetone	EPA 8260	<1000	ug/kg	MQS	9/14/04
1,1-Dichloroethene	EPA 8260	<100	ug/kg	MQS	9/14/04
Dichloromethane	EPA 8260	<100	ug/kg	MQS	9/14/04
Methyl-Tert-Butyl-Ether	EPA 8260	<100	ug/kg	MQS	9/14/04
trans-1,2-Dichloroethene	EPA 8260	<100	ug/kg	MQS	9/14/04
1,1-Dichloroethane	EPA 8260	<100	ug/kg	MQS	9/14/04
2-Butanone	EPA 8260	<1000	ug/kg	MQS	9/14/04
2,2-Dichloropropane	EPA 8260	<100	ug/kg	MQS	9/14/04
cis-1,2-Dichloroethene	EPA 8260	<100	ug/kg	MQS	9/14/04
Chloroform	EPA 8260	<100	ug/kg	MQS	9/14/04
Bromochloromethane	EPA 8260	<100	ug/kg	MQS	9/14/04
Tetrahydrofuran	EPA 8260	<200	ug/kg	MQS	9/14/04
1,1,1-Trichloroethane	EPA 8260	<100	ug/kg	MQS	9/14/04
1,1-Dichloropropene	EPA 8260	<100	ug/kg	MQS	9/14/04
Carbon Tetrachloride	EPA 8260	<100	ug/kg	MQS	9/14/04
1,2-Dichloroethane	EPA 8260	<100	ug/kg	MQS	9/14/04
Benzene	EPA 8260	<100	ug/kg	MQS	9/14/04
Trichloroethene	EPA 8260	<100	ug/kg	MQS	9/14/04
1,2-Dichloropropane	EPA 8260	<100	ug/kg	MQS	9/14/04
Bromodichloromethane	EPA 8260	<100	ug/kg	MQS	9/14/04
Dibromomethane	EPA 8260	<100	ug/kg	MQS	9/14/04
4-Methyl-2-Pentanone	EPA 8260	<200	ug/kg	MQS	9/14/04
cis-1,3-Dichloropropene	EPA 8260	<100	ug/kg	MQS	9/14/04
Toluene	EPA 8260	<250	ug/kg	MQS	9/14/04

8.17.05

GZA GeoEnvironmental, Inc.

ANALYTICAL REPORT

Project Name: Alltiff Landfill

Project No.: 21.0055814.00

Work Order No.: 0409-00064

Sample ID: NAD-1
Sample Date: 9/10/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
trans-1,3-Dichloropropene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,1,2-Trichloroethane	EPA 8260	< 100	ug/kg	MQS	9/14/04
2-Hexanone	EPA 8260	< 200	ug/kg	MQS	9/14/04
1,3-Dichloropropane	EPA 8260	< 100	ug/kg	MQS	9/14/04
Tetrachloroethene	EPA 8260	< 100	ug/kg	MQS	9/14/04
Dibromochloromethane	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,2-Dibromoethane (EDB)	EPA 8260	< 200	ug/kg	MQS	9/14/04
Chlorobenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,1,1,2-Tetrachloroethane	EPA 8260	< 100	ug/kg	MQS	9/14/04
Ethylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
m&p-Xylene	EPA 8260	< 100	ug/kg	MQS	9/14/04
o-Xylene	EPA 8260	< 100	ug/kg	MQS	9/14/04
Styrene	EPA 8260	< 100	ug/kg	MQS	9/14/04
Bromoform	EPA 8260	< 200	ug/kg	MQS	9/14/04
Isopropylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,1,2,2-Tetrachloroethane	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,2,3-Trichloropropane	EPA 8260	< 100	ug/kg	MQS	9/14/04
Bromobenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
n-Propylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
2-Chlorotoluene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,3,5-Trimethylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
4-Chlorotoluene	EPA 8260	< 100	ug/kg	MQS	9/14/04
tert-Butylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,2,4-Trimethylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
sec-Butylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
p-Isopropyltoluene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,3-Dichlorobenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,4-Dichlorobenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
n-Butylbenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,2-Dichlorobenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,2-Dibromo-3-Chloropropane	EPA 8260	< 500	ug/kg	MQS	9/14/04
1,2,4-Trichlorobenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
Hexachlorobutadiene	EPA 8260	< 100	ug/kg	MQS	9/14/04
Naphthalene	EPA 8260	< 100	ug/kg	MQS	9/14/04
1,2,3-Trichlorobenzene	EPA 8260	< 100	ug/kg	MQS	9/14/04
Surrogates:	EPA 8260				
***1,2-Dichloroethane-D4	EPA 8260	100	% R	MQS	9/14/04
***Toluene-D8	EPA 8260	98.2	% R	MQS	9/14/04
***4-Bromofluorobenzene	EPA 8260	94.4	% R	MQS	9/14/04
Preparation	EPA 5035	20	DF	MQS	9/14/04

8.17.05

GZA GeoEnvironmental, Inc.

ANALYTICAL REPORT

Project Name: Alltiff Landfill
 Project No.: 21.0055814.00

Work Order No.: 0409-00064

Sample ID: NAD-1
 Sample Date: 9/10/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
SEMI-VOLATILE ORGANICS	EPA 8270			CMG	9/22/04
Phenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
2-Chlorophenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
2-Methylphenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
3&4-Methylphenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
2-Nitrophenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
2,4-Dimethylphenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
Benzoic Acid	EPA 8270	< 3300	ug/kg	CMG	9/22/04
2,4-Dichlorophenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
4-Chloro-3-Methylphenol	EPA 8270	< 660	ug/kg	CMG	9/22/04
2,4,6-Trichlorophenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
2,4,5-Trichlorophenol	EPA 8270	< 330	ug/kg	CMG	9/22/04
2,4-Dinitrophenol	EPA 8270	< 3300	ug/kg	CMG	9/22/04
4-Nitrophenol	EPA 8270	< 1700	ug/kg	CMG	9/22/04
4,6-Dinitro-2-Methylphenol	EPA 8270	< 1700	ug/kg	CMG	9/22/04
Pentachlorophenol	EPA 8270	< 1700	ug/kg	CMG	9/22/04
n-Nitrosodimethylamine	EPA 8270	< 330	ug/kg	CMG	9/22/04
bis(2-Chloroethyl)Ether	EPA 8270	< 330	ug/kg	CMG	9/22/04
1,3-Dichlorobenzene	EPA 8270	< 330	ug/kg	CMG	9/22/04
1,4-Dichlorobenzene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Benzyl Alcohol	EPA 8270	< 660	ug/kg	CMG	9/22/04
1,2-Dichlorobenzene	EPA 8270	< 330	ug/kg	CMG	9/22/04
bis(2-Chloroisopropyl)Ether	EPA 8270	< 330	ug/kg	CMG	9/22/04
n-Nitrosodi-n-Propylamine	EPA 8270	< 330	ug/kg	CMG	9/22/04
Hexachloroethane	EPA 8270	< 330	ug/kg	CMG	9/22/04
Nitrobenzene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Isophorone	EPA 8270	< 330	ug/kg	CMG	9/22/04
bis(2-Chloroethoxy)Methane	EPA 8270	< 330	ug/kg	CMG	9/22/04
1,2,4-Trichlorobenzene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Naphthalene	EPA 8270	< 330	ug/kg	CMG	9/22/04
4-Chloroaniline	EPA 8270	< 660	ug/kg	CMG	9/22/04
Hexachlorobutadiene	EPA 8270	< 330	ug/kg	CMG	9/22/04
2-Methylnaphthalene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Hexachlorocyclopentadiene	EPA 8270	< 1700	ug/kg	CMG	9/22/04
2-Chloronaphthalene	EPA 8270	< 330	ug/kg	CMG	9/22/04
2-Nitroaniline	EPA 8270	< 660	ug/kg	CMG	9/22/04
Dimethylphthalate	EPA 8270	< 330	ug/kg	CMG	9/22/04
Acenaphthylene	EPA 8270	< 330	ug/kg	CMG	9/22/04
2,6-Dinitrotoluene	EPA 8270	< 330	ug/kg	CMG	9/22/04
3-Nitroaniline	EPA 8270	< 660	ug/kg	CMG	9/22/04

8.17.05

GZA GeoEnvironmental, Inc.

ANALYTICAL REPORT

Project Name: Alltiff Landfill
 Project No.: 21.0055814.00

Work Order No.: 0409-00064

Sample ID: NAD-1
 Sample Date: 9/10/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
Acenaphthene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Dibenzofuran	EPA 8270	< 330	ug/kg	CMG	9/22/04
2,4-Dinitrotoluene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Diethylphthalate	EPA 8270	< 330	ug/kg	CMG	9/22/04
Fluorene	EPA 8270	< 330	ug/kg	CMG	9/22/04
4-Chlorophenyl Phenyl Ether	EPA 8270	< 330	ug/kg	CMG	9/22/04
4-Nitroaniline	EPA 8270	< 660	ug/kg	CMG	9/22/04
n-Nitrosodiphenylamine	EPA 8270	< 330	ug/kg	CMG	9/22/04
4-Bromophenyl Phenyl Ether	EPA 8270	< 330	ug/kg	CMG	9/22/04
Hexachlorobenzene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Phenanthrene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Anthracene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Carbazole	EPA 8270	< 330	ug/kg	CMG	9/22/04
di-n-Butylphthalate	EPA 8270	< 500	ug/kg	CMG	9/22/04
Fluoranthene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Pyrene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Butylbenzylphthalate	EPA 8270	< 330	ug/kg	CMG	9/22/04
Benzo [a] Anthracene	EPA 8270	< 330	ug/kg	CMG	9/22/04
3,3'-Dichlorobenzidine	EPA 8270	< 660	ug/kg	CMG	9/22/04
Chrysene	EPA 8270	< 330	ug/kg	CMG	9/22/04
bis(2-Ethylhexyl)Phthalate	EPA 8270	< 330	ug/kg	CMG	9/22/04
di-n-Octylphthalate	EPA 8270	< 330	ug/kg	CMG	9/22/04
Benzo [b] Fluoranthene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Benzo [k] Fluoranthene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Benzo [a] Pyrene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Indeno [1,2,3-cd] Pyrene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Dibenzo [a,h] Anthracene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Benzo [g,h,i] Perylene	EPA 8270	< 330	ug/kg	CMG	9/22/04
Surrogates:					
***2-Fluorophenol	EPA 8270	42.4	% R	CMG	9/22/04
***Phenol-D6	EPA 8270	54.6	% R	CMG	9/22/04
***Nitrobenzene-D5	EPA 8270	44.5	% R	CMG	9/22/04
***2-Fluorobiphenyl	EPA 8270	42.7	% R	CMG	9/22/04
***2,4,6-Tribromophenol	EPA 8270	47.4	% R	CMG	9/22/04
***P-Terphenyl-D14	EPA 8270	55.8	% R	CMG	9/22/04
Extraction	EPA 3545	1.0		ARL	9/13/04
METALS-TARGET ANALYTE LIST				AJY	9/15/04
Silver	EPA 6010	< 0.622	mg/kg	AJY	9/15/04
Aluminum	EPA 6010	17300	mg/kg	AJY	9/15/04
Arsenic	EPA 6010	7.52	mg/kg	AJY	9/15/04

8.1705

GZA GeoEnvironmental, Inc.

ANALYTICAL REPORT

Project Name: Alltiff Landfill
Project No.: 21.0055814.00

Work Order No.: 0409-00064

Sample ID: NAD-1
Sample Date: 9/10/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
Barium	EPA 6010	95.4	mg/kg	AJY	9/15/04
Beryllium	EPA 6010	0.697	mg/kg	AJY	9/15/04
Calcium	EPA 6010	3940	mg/kg	AJY	9/15/04
Cadmium	EPA 6010	0.983	mg/kg	AJY	9/15/04
Cobalt	EPA 6010	9.45	mg/kg	AJY	9/15/04
Chromium	EPA 6010	21.8	mg/kg	AJY	9/15/04
Copper	EPA 6010	23.0	mg/kg	AJY	9/15/04
Iron	EPA 6010	21800	mg/kg	AJY	9/15/04
Mercury	EPA 7471A	0.0679	mg/kg	NH	9/17/04
Magnesium	EPA 6010	3240	mg/kg	AJY	9/15/04
Manganese	EPA 6010	654	mg/kg	AJY	9/15/04
Nickel	EPA 6010	23.8	mg/kg	AJY	9/15/04
Lead	EPA 6010	36.3	mg/kg	AJY	9/15/04
Antimony	EPA 6010	<3.11	mg/kg	AJY	9/15/04
Selenium	EPA 6010	<3.11	mg/kg	AJY	9/15/04
Vanadium	EPA 6010	28.1	mg/kg	AJY	9/15/04
Thallium	EPA 6010	<3.11	mg/kg	AJY	9/15/04
Zinc	EPA 6010	115	mg/kg	AJY	9/15/04
PERCENT SOLID		76.5	%	TAJ	9/15/04
Conductivity		0.11*	mS/cm	NH	9/22/04

81705

GZA GEOENVIRONMENTAL, INC.
ENVIRONMENTAL CHEMISTRY LABORATORY
106 SOUTH ST, HOPKINTON, MA 01748
MASSACHUSETTS LABORATORY I.D. NO. MA092

EPA METHOD 6010B ANALYSIS
Metals by ICP

QUALITY CONTROL - SOLID

DATE PREPARED: 09/15/2004

QC Sample	Method Blank	Lab Control Sample
Units	mg/kg	% Recovery
Acceptance Limits	Results	80-120 %
Analyte		
Silver (Ag)	<0.500	87.1
Aluminum (Al)	<2.500	104
Arsenic (As)	<1.000	92.9
Boron (B)	NA	NA
Barium (Ba)	<0.500	96.0
Beryllium (Be)	<0.500	94.6
Calcium (Ca)	<2.500	95.7
Cadmium (Cd)	<0.500	96.3
Cobalt (Co)	<1.000	94.5
Chromium (Cr)	<0.500	95.4
Copper (Cu)	<1.500	104
Iron (Fe)	<2.500	97.2
Magnesium (Mg)	<2.500	96.9
Manganese (Mn)	<0.500	98.8
Molybdenum (Mo)	NA	NA
Nickel (Ni)	<1.000	94.5
Lead (Pb)	<1.000	92.5
Antimony (Sb)	<2.500	94.2
Selenium (Se)	<2.500	91.0
Strontium (Sr)	NA	NA
Titanium (Ti)	NA	NA
Thallium (Tl)	<2.500	94.0
Vanadium (V)	<0.500	93.9
Zinc (Zn)	<1.000	97.5
Zirconium (Zr)	NA	NA

Matrix Spike / Duplicate Spike performed as per method and reported if assigned on Chain of Custody.

8.17.05

GZA GEOENVIRONMENTAL, INC.
ENVIRONMENTAL CHEMISTRY LABORATORY
106 SOUTH ST, HOPKINTON, MA 01748
MASSACHUSETTS LABORATORY I.D. NO. MA092

EPA METHOD 7470/7471 ANALYSIS
Mercury by Cold Vapor Atomic Absorption

QUALITY CONTROL - SOLID

Date Analyzed: 09/16/2004

QC Sample	Method Blank	Lab Control Sample
Units	mg/L	% Recovery
Acceptance Limits	Results	85-115 %
Analyte		
Mercury (Hg)	<0.040 (solid)	100

Matrix Spike / Duplicate Spike performed as per method and reported if assigned on Chain of Custody.

8.1705

GZA GeoEnvironmental, Inc.
100 South Street
Hopkinton, MA 01748

EPA Method 8260 Solid Method Blank (SMB) and Laboratory Control Sample (LCS) Data

Method Blank			Laboratory Control Sample			
Date Analyzed:	9/14/2004		Date Analyzed:	9/14/2004		
Volatiles Organics	Conc. ug/L	Acceptance Limit	Spike Concentration = 20ug/L	% Recovery	Acceptance Limits	Verdict
dichlorodifluoromethane	< 250	< 250	dichlorodifluoromethane	85.6	70-130	ok
chloromethane	< 250	< 250	chloromethane	86.2	70-130	ok
vinyl chloride	< 250	< 250	vinyl chloride	90.3	70-130	ok
bromomethane	< 250	< 250	bromomethane	81.1	70-130	ok
chloroethane	< 250	< 250	chloroethane	88.4	70-130	ok
trichlorofluoromethane	< 250	< 250	trichlorofluoromethane	103	70-130	ok
diethyl ether	< 500	< 500	diethyl ether	90.9	70-130	ok
acetone	< 1300	< 1300	acetone	103	70-130	ok
1,1-dichloroethene	< 130	< 130	1,1-dichloroethene	97.2	70-130	ok
FREON-113	< 250	< 250	FREON-113	104	70-130	ok
carbon disulfide	< 250	< 250	carbon disulfide	85.7	70-130	ok
dichloromethane	< 250	< 250	dichloromethane	89.2	70-130	ok
tert-butyl alcohol (TBA)	< 1300	< 1300	tert-butyl alcohol (TBA)	87.4	70-130	ok
methyl-tert-butyl-ether	< 250	< 250	methyl-tert-butyl-ether	97.0	70-130	ok
trans-1,2-dichloroethene	< 130	< 130	trans-1,2-dichloroethene	92.7	70-130	ok
1,1-dichloroethane	< 130	< 130	1,1-dichloroethane	103	70-130	ok
di-isopropyl ether (DIPE)	< 250	< 250	di-isopropyl ether (DIPE)	94.9	70-130	ok
ethyl tert-butyl ether (ETBE)	< 250	< 250	ethyl tert-butyl ether (ETBE)	101	70-130	ok
2-butanone	< 1300	< 1300	2-butanone	98.4	70-130	ok
2,2-dichloropropane	< 130	< 130	2,2-dichloropropane	124	70-130	ok
cis-1,2-dichloroethane	< 130	< 130	cis-1,2-dichloroethane	100	70-130	ok
chloroform	< 130	< 130	chloroform	101	70-130	ok
bromochloromethane	< 130	< 130	bromochloromethane	98.9	70-130	ok
tetrahydrofuran	< 750	< 750	tetrahydrofuran	97.0	70-130	ok
1,1,1-trichloroethane	< 130	< 130	1,1,1-trichloroethane	114	70-130	ok
1,1-dichloropropane	< 130	< 130	1,1-dichloropropane	106	70-130	ok
carbon tetrachloride	< 130	< 130	carbon tetrachloride	117	70-130	ok
1,2-dichloroethane	< 130	< 130	1,2-dichloroethane	109	70-130	ok
benzene	< 130	< 130	benzene	99.5	70-130	ok
tert-amyl methyl ether (TAME)	< 250	< 250	tert-amyl methyl ether (TAME)	99.4	70-130	ok
trichloroethene	< 130	< 130	trichloroethene	102	70-130	ok
1,2-dichloropropane	< 130	< 130	1,2-dichloropropane	97.5	70-130	ok
bromodichloromethane	< 130	< 130	bromodichloromethane	101	70-130	ok
1,4-dioxane	< 2500	< 2500	1,4-dioxane	70.8	70-130	ok
dibromomethane	< 130	< 130	dibromomethane	93.7	70-130	ok
4-methyl-2-pentanone	< 250	< 250	4-methyl-2-pentanone	85.4	70-130	ok
cis-1,3-dichloropropene	< 130	< 130	cis-1,3-dichloropropene	97.9	70-130	ok
toluene	< 130	< 130	toluene	99.7	70-130	ok
trans-1,3-dichloropropene	< 130	< 130	trans-1,3-dichloropropene	94.8	70-130	ok
1,1,2-trichloroethane	< 250	< 250	1,1,2-trichloroethane	94.0	70-130	ok
2-hexanone	< 250	< 250	2-hexanone	82.9	70-130	ok
1,3-dichloropropane	< 130	< 130	1,3-dichloropropane	90.2	70-130	ok
tetrachloroethene	< 130	< 130	tetrachloroethene	96.8	70-130	ok
dibromochloromethane	< 130	< 130	dibromochloromethane	96.4	70-130	ok
1,2-dibromoethane (EDB)	< 130	< 130	1,2-dibromoethane (EDB)	93.4	70-130	ok
chlorobenzene	< 130	< 130	chlorobenzene	95.2	70-130	ok
1,1,1,2-tetrachloroethane	< 130	< 130	1,1,1,2-tetrachloroethane	97.0	70-130	ok
ethylbenzene	< 130	< 130	ethylbenzene	94.2	70-130	ok
1,1,2,2-tetrachloroethane	< 130	< 130	1,1,2,2-tetrachloroethane	89.0	70-130	ok
m,p-xylene	< 130	< 130	m,p-xylene	101	70-130	ok
o-xylene	< 130	< 130	o-xylene	88.4	70-130	ok
styrene	< 130	< 130	styrene	97.1	70-130	ok
bromoforn	< 130	< 130	bromoforn	88.1	70-130	ok
isopropylbenzene	< 130	< 130	isopropylbenzene	102	70-130	ok
1,2,3-trichloropropane	< 130	< 130	1,2,3-trichloropropane	93.9	70-130	ok
bromobenzene	< 130	< 130	bromobenzene	92.7	70-130	ok
n-propylbenzene	< 130	< 130	n-propylbenzene	102	70-130	ok
2-chlorotoluene	< 130	< 130	2-chlorotoluene	98.5	70-130	ok
1,3,5-trimethylbenzene	< 130	< 130	1,3,5-trimethylbenzene	101	70-130	ok
4-chlorotoluene	< 130	< 130	4-chlorotoluene	99.4	70-130	ok
tert-butylbenzene	< 130	< 130	tert-butylbenzene	103	70-130	ok
1,2,4-trimethylbenzene	< 130	< 130	1,2,4-trimethylbenzene	98.1	70-130	ok
sec-butylbenzene	< 130	< 130	sec-butylbenzene	103	70-130	ok
p-isopropyltoluene	< 750	< 750	p-isopropyltoluene	100	70-130	ok
1,3-dichlorobenzene	< 130	< 130	1,3-dichlorobenzene	93.4	70-130	ok
1,4-dichlorobenzene	< 130	< 130	1,4-dichlorobenzene	92.3	70-130	ok
n-butylbenzene	< 130	< 130	n-butylbenzene	101	70-130	ok
1,2-dichlorobenzene	< 130	< 130	1,2-dichlorobenzene	89.4	70-130	ok
1,2-dibromo-3-chloropropane	< 130	< 130	1,2-dibromo-3-chloropropane	91.8	70-130	ok
1,2,4-trichlorobenzene	< 130	< 130	1,2,4-trichlorobenzene	86.0	70-130	ok
hexachlorobutadiene	< 130	< 130	hexachlorobutadiene	96.3	70-130	ok
naphthalene	< 130	< 130	naphthalene	81.3	70-130	ok
1,2,3-trichlorobenzene	< 130	< 130	1,2,3-trichlorobenzene	83.0	70-130	ok

SMB criteria allows 5 compounds to be outside acceptance limits

Surrogate:	Recovery (%)	Acceptance Limits	Surrogate:	Recovery (%)	Acceptance Limits	Verdict
DIBROMOFUOROMETHANE	103	70-130	DIBROMOFUOROMETHANE	104	70-130	ok
1,2-DICHLOROETHANE-D4	87.2	70-130	1,2-DICHLOROETHANE-D4	94.9	70-130	ok
TOLUENE-D8	99.1	70-130	TOLUENE-D8	100	70-130	ok
4-BROMOFUOROBENZENE	93.8	70-130	4-BROMOFUOROBENZENE	94.7	70-130	ok
1,2-DICHLOROBENZENE-D4	91.2	70-130	1,2-DICHLOROBENZENE-D4	92.2	70-130	ok

8.17.05

GZA GeoEnvironmental, Inc.
108 South Street
Hopkinton, MA 01748

EPA Method 8270 Solid Method Blank (MB) and Laboratory Control Sample (LCS) Data

Method Blank

Date Extracted:	09/13/04	
Date Analyzed:	09/20/04	
File Name:	V5853	
Volatile Organics	Result	Reporting Limit
n-nitrosodimethylamine	ND	330
pyridine	ND	3300
phenol	ND	330
bis(2-chloroethyl)ether	ND	330
2-chlorophenol	ND	330
1,3-dichlorobenzene	ND	330
1,4-dichlorobenzene	ND	330
benzyl alcohol	ND	660
1,2-dichlorobenzene	ND	330
2-methylphenol	ND	330
bis(2-chloroisopropyl)ether	ND	330
3,5,4-methylphenol	ND	330
n-nitrosodl-n-propylamine	ND	330
hexachloroethane	ND	330
nitrobenzene	ND	330
isophrone	ND	330
2-nitrophenol	ND	330
2,4-dimethylphenol	ND	330
benzoic acid	ND	330
bis(2-chloroethoxy)methane	ND	330
2,4-dichlorophenol	ND	330
1,2,4-trichlorobenzene	ND	330
naphthalene	ND	330
4-chloroaniline	ND	660
hexachlorobutadiene	ND	330
4-chloro-3-methylphenol	ND	660
2-methylnaphthalene	ND	330
aniline	ND	330
hexachlorocyclopentadiene	ND	1700
2,4,6-trichlorophenol	ND	330
2,4,5-trichlorophenol	ND	330
3-chloronaphthalene	ND	330
2-nitroaniline	ND	1700
dimethylphthalate	ND	330
acenaphthylene	ND	330
2,6-dinitrotoluene	ND	330
3-nitroaniline	ND	1700
acenaphthene	ND	330
2,4-dinitrophenol	ND	3300
dibenzofuran	ND	330
4-nitrophenol	ND	1700
2,4-dinitrotoluene	ND	330
diethylphthalate	ND	330
fluorene	ND	330
4-chlorophenyl phenyl ether	ND	330
4-nitroaniline	ND	660
4,6-dinitro-2-methylphenol	ND	1700
n-nitrosodiphenylamine	ND	330
4-bromophenyl phenyl ether	ND	330
hexachlorobenzene	ND	330
pentachlorophenol	ND	1700
phenanthrene	ND	330
anthracene	ND	330
carbazole	ND	330
di-n-butylphthalate	ND	500
fluoranthene	ND	330
benzidine	ND	330
pyrene	ND	330
butylbenzylphthalate	ND	330
benz [a] anthracene	ND	330
3,3'-dichlorobenzidine	ND	660
chrysene	ND	330
bis(2-ethoxyhexyl)phthalate	ND	330
di-n-octylphthalate	ND	330
benzo [b] fluoranthene	ND	330
benzo [k] fluoranthene	ND	330
benzo [a] pyrene	ND	330
indeno [1,2,3-cd] pyrene	ND	330
dibenz [a,h] anthracene	ND	330
benzo [ghi] perylene	ND	330

Surrogates:	Recovery (%)	Acceptance Limits
2-FLUOROPHENOL	74.2	30-130
PHENOL-D6	77.9	30-130
NITROBENZENE-D5	58.1	30-130
2-FLUOROBIPHENYL	54.3	30-130
2,4,6-TRIBROMOPHENOL	51.3	30-130
p-TERPHEYL-D14	81.4	30-130

8.17.05

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

EPA Method 8270 Solid Method Blank (MB) and Laboratory Control Sample (LCS) Data

Laboratory Control Sample

Date Extracted:	09/13/04		
Date Analyzed:	09/20/04		
File Name:	V6836		
Spike Concentration = 20ug/L	% Recovery	Acceptance Limits	Verdict
n-nitrosodimethylamine	43.2	40-140	ok
pyridine	75.0	40-140	ok
phenol	88.0	30-130	ok
bis(2-chloroethyl)ether	77.3	40-140	ok
2-chlorophenol	77.7	30-130	ok
1,3-dichlorobenzene	74.6	40-140	ok
1,4-dichlorobenzene	72.2	40-140	ok
benzyl alcohol	77.7	40-140	ok
1,2-dichlorobenzene	86.8	40-140	ok
2-methylphenol	191	30-130	out
bis(2-chloroisopropyl)ether	67.0	40-140	ok
3,4-methylphenol	126	30-130	ok
n-nitrosodi-n-propylamine	58.2	40-140	ok
hexachlorobutane	87.8	40-140	ok
nitrobenzene	64.5	40-140	ok
isophrene	78.2	40-140	ok
2-nitrophenol	78.5	30-130	ok
2,4-dimethylphenol	68.8	30-130	ok
benzoic acid	38.0	30-130	ok
bis(2-chloroethoxy)methane	76.5	40-140	ok
2,4-dichlorophenol	79.8	30-130	ok
1,2,4-trichlorobenzene	84.3	40-140	ok
naphthalene	67.0	40-140	ok
4-chloroaniline	70.0	40-140	ok
hexachlorobutadiene	48.9	40-140	ok
4-chloro-3-methylphenol	70.7	30-130	ok
2-methylnaphthalene	75.0	40-140	ok
aniline	53.8	40-140	ok
hexachlorocyclopentadiene	38.4	40-140	out
2,4,5-trichlorophenol	58.7	30-130	ok
2,4,6-trichlorophenol	61.9	30-130	ok
2-chloronaphthalene	81.0	40-140	ok
2-nitroaniline	58.8	40-140	ok
dimethylphthalate	58.9	40-140	ok
acenaphthylene	58.8	40-140	ok
2,6-dinitrotoluene	71.2	40-140	ok
3-nitroaniline	78.7	40-140	ok
acenaphthene	88.3	40-140	ok
2,4-dinitrophenol	32.9	30-130	ok
dibenzofuran	67.9	40-140	ok
4-nitrophenol	53.0	30-130	ok
2,4-dinitrotoluene	88.1	40-140	ok
diethylphthalate	91.4	40-140	ok
fluorene	82.5	40-140	ok
4-chlorophenyl phenyl ether	55.1	40-140	ok
4-nitroaniline	124	40-140	ok
4,6-dinitro-2-methylphenol	71.3	30-130	ok
n-nitrosodiphenylamine	83.2	40-140	ok
4-bromophenyl phenyl ether	80.7	40-140	ok
hexachlorobenzene	82.9	40-140	ok
penta-chlorophenol	54.4	30-130	ok
phenanthrene	80.4	40-140	ok
anthracene	85.1	40-140	ok
carbazole	131	40-140	ok
di-n-butylphthalate	98.7	40-140	ok
fluoranthene	85.4	40-140	ok
benzidine	0.00	40-140	out
pyrene	85.6	40-140	ok
butylbenzylphthalate	100	40-140	ok
benz [a] anthracene	84.8	40-140	ok
3,3'-dichlorobenzidine	189	40-140	out
chrysene	95.4	40-140	ok
bis(2-ethylhexyl)phthalate	112	40-140	ok
di-n-octylphthalate	122	40-140	ok
benzo [b] fluoranthene	92.5	40-140	ok
benzo [k] fluoranthene	98.2	40-140	ok
benzo [e] pyrene	98.2	40-140	ok
indeno [1,2,3-cd] pyrene	125	40-140	ok
dibenz [a,h] anthracene	123	40-140	ok
benzo [ghi] perylene	127	40-140	ok

CAN criteria allows 15% of analytes to exceed criteria.

Surrogates:	Recovery (%)	Acceptance Limits	Verdict
2-FLUOROPHENOL	80.7	30-130	ok
PHENOL-OS	88.0	30-130	ok
NITROBENZENE-OS	65.5	30-130	ok
2-FLUOROBIPHENYL	83.2	30-130	ok
2,4,6-TRIBROMOPHENOL	61.8	30-130	ok
p-TERPHENYL-D14	78.6	30-130	ok

8.17.05

**R.I. Analytical**

Specialists in Environmental Services

Page 1 of 2

CERTIFICATE OF ANALYSIS

GZA GeoEnvironmental Labs
Attn: Ms. Michelle Miranda
Engineers and Scientists
106 South Street
Hopkinton, MA 01748

Date Received: 09/14/2004
Date Reported: 09/21/2004
P.O. #: TO FOLLOW
Work Order # 0409-13744

DESCRIPTION: PROJECT# 21.0055814 TASK 4 SUBTASK 1 - ALLTIFT LANDFILL

Subject sample(s) has/have been analyzed by our Warwick, R.I. laboratory with the attached results.

Reference: All parameters were analyzed by U.S. EPA approved methodologies and all NELAC requirements were met. The specific methodologies are listed in the methods column of the Certificate Of Analysis.

Data qualifiers (if present) are explained in full at the end of a given sample's analytical results.

Certification #: RI-033, MA-RI015, CT-PH-0508, ME-RI015
NH-253700 A & B, USDA S-41844, NY-11726

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

Approved by:

Data Reporting

enc: Chain of Custody

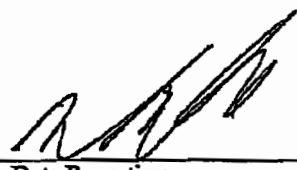
8.17.05

Page 2 of 2

R.I. Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

GZA GeoEnvironmental Labs
Date Received: 09/14/2004
Work Order #: 0409-13744

Approved by: 
Data Reporting

Sample # 001
SAMPLE DESCRIPTION: NAD-1
SAMPLE TYPE: GRAB

SAMPLE DATE/TIME: 09/10/2004 @ 13:00

PARAMETER	SAMPLE RESULTS	DET. LIMIT	UNITS	METHOD	DATE ANALYZED	ANALYST
TOTAL CYANIDE	<12	12	mg/kg dry	SW-846 9010A	09/17/2004	EC
TOTAL METALS						
POTASSIUM	1200	67	mg/kg dry	SW-846 6010	09/20/2004	JNB
SODIUM	<200	200	mg/kg dry	SW-846 6010	09/20/2004	JNB

8.17.05

CHAIN-OF-CUSTODY RECORD

(for lab use only)

[illegible]

8.1705-

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
(781) 278-4700

Laboratory Identification Numbers:
MA: MA092 NH: 2028 RI: 236
CT: PH0579 OK: 9928 NC: 615
NY (NELAC): 11063

ANALYTICAL DATA REPORT

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748
781-278-3700
Matt Polsky

Project No.: 08.0099999.20
Work Order No.: 0409-00066
Date Received: 9/14/04
Date Reported: 9/17/04

SAMPLE INFORMATION

Date Sampled	Matrix	Laboratory ID	Sample ID
9/10/2004	Solid	0409-00066 001	SOIL LAB#2 NAD-1

8.17.05

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

Matt Polsky

Project Name: Geotechnical Laboratory
Project No.: 08.0099999.20

Date Received: 9/14/04
Date Reported: 9/17/04
Work Order No.: 0409-00066

PROJECT NARRATIVE:

1. Sample Receipt

The samples were received on 09/14/04 via GZA courier, EC, FEDEX, or x hand delivered.
The temperature of the temperature blank/ x cooler air, was 25.4 degrees C. The samples were received intact for all requested analyses.

The samples were appropriately preserved in accordance with the method they reference.

8.17.05-

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

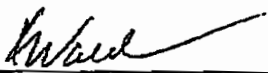
ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

Matt Polsky

Project Name: Geotechnical Laboratory
Project No.: 08.0099999.20

Date Received: 9/14/04
Date Reported: 9/17/04
Work Order No.: 0409-00066

Data Authorized By: 

% R = % Recovery
DF = Dilution Factor
DO = Diluted Out

Method 8260: The current version of the method is 8260B.
Method 8021: The current version of the method is 8021B.
Method 8270: The current version of the method is 8270C.
Method 6010: The current version of the method is 6010B.

Laboratory Identification Numbers:

MA: MA092 NH: 2028
CT: PH0579 RI: 236
NC: 615 NY (NELAC): 11063

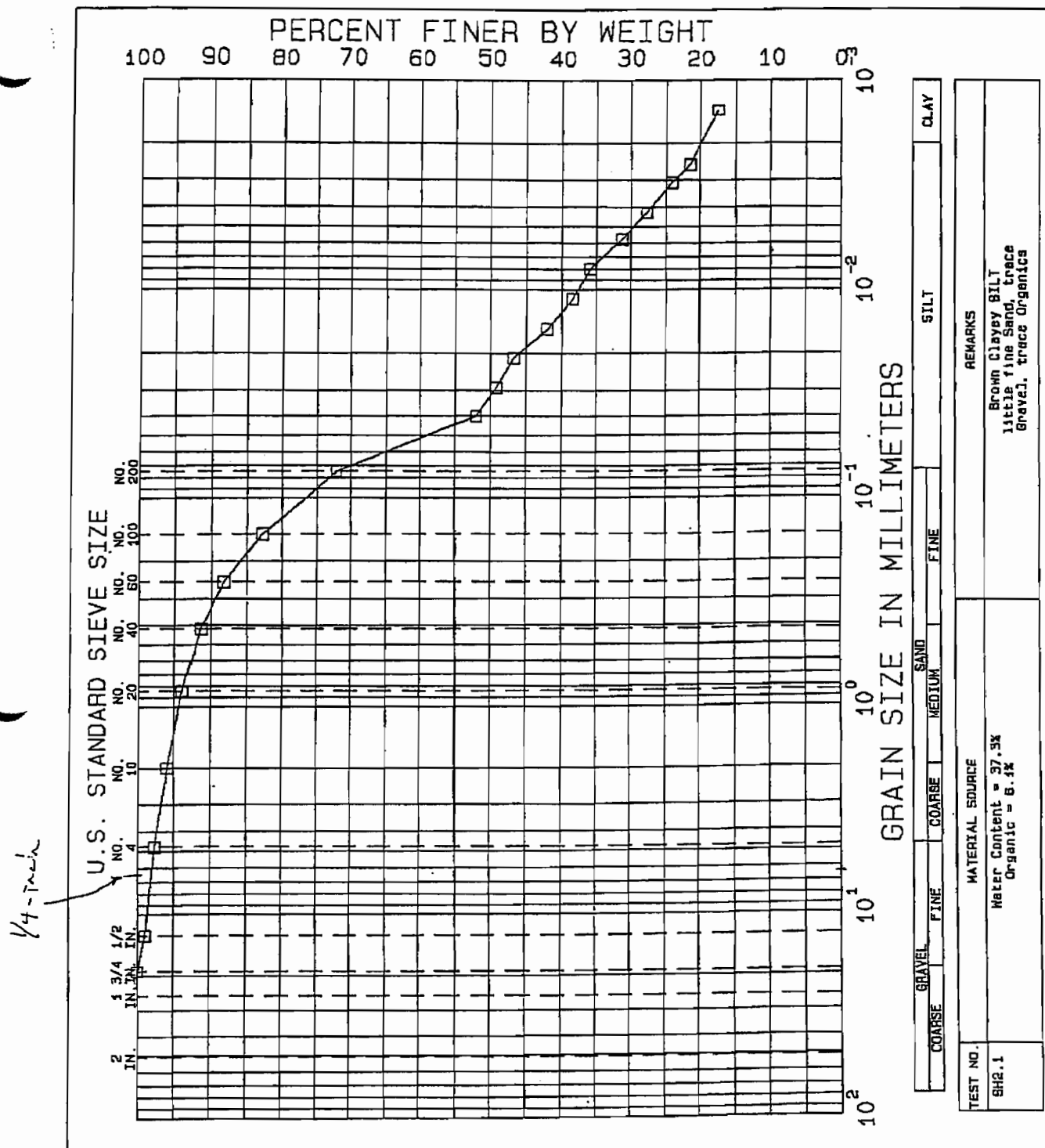
Please note that the laboratory signed copy of the chain of custody record is an integral part of the data report.

The laboratory report shall not be reproduced except in full without the written consent of the laboratory.

Soil data is reported on a dry weight basis unless otherwise specified.

Matrix Spike / Matrix Spike Duplicate sets are performed as per each method and are reported at the end of the analytical report if assigned on the chain of custody.

8.17.05



8.17.05

ALLTIFT LANDFILL
BUFFALO, NY
GRADATION TESTS

BORING NO.
SAMPLE NAD-1
DEPTH
TECH. PEC
REVIEWER MBP

TEST SERIES
NO. 2
DATE Sep. 04
FILE 55814

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

ANALYTICAL REPORT

GZA GeoEnvironmental, Inc.
106 South Street
Hopkinton, MA 01748

Matt Polsky

Project Name: Geotechnical Laboratory
Project No.: 08.0099999.20

Date Received: 9/14/04
Date Reported: 9/17/04
Work Order No.: 0409-00066

Sample ID: SOIL LAB#2 NAD-1
Sample Date: 9/10/2004

Sample No.: 001

Test Performed	Method	Results	Units	Tech	Analysis Date
pH	EPA 9045	6.78	std. units	NH	9/14/04

8/17/05

CHAIN-OF-CUSTODY RECORD

W.O. # 0409-00066
(for lab use only)

Sample ID	Date/Time Sampled (Very Important)	Matrix As- Soil GW-Gravel W SW-Surface W WW-Water W DW-Drinking W CW-Other (specify)	ANALYSIS REQUIRED														Total # of Cont.	Note #																																																																																																																																																																																																																																																												
			WW ONLY																																																																																																																																																																																																																																																																											
Soils Lab # 2	9/10/04	S	Depth Dcont	OC Screen (POM)	DBA-1 (Dcont)	DBA-2 (Dcont)	DBA-3 (Dcont)	DBA-4 (Dcont)	DBA-5 (Dcont)	DBA-6 (Dcont)	DBA-7 (Dcont)	DBA-8 (Dcont)	DBA-9 (Dcont)	DBA-10 (Dcont)	DBA-11 (Dcont)	DBA-12 (Dcont)	DBA-13 (Dcont)	DBA-14 (Dcont)	DBA-15 (Dcont)	DBA-16 (Dcont)	DBA-17 (Dcont)	DBA-18 (Dcont)	DBA-19 (Dcont)	DBA-20 (Dcont)	DBA-21 (Dcont)	DBA-22 (Dcont)	DBA-23 (Dcont)	DBA-24 (Dcont)	DBA-25 (Dcont)	DBA-26 (Dcont)	DBA-27 (Dcont)	DBA-28 (Dcont)	DBA-29 (Dcont)	DBA-30 (Dcont)	DBA-31 (Dcont)	DBA-32 (Dcont)	DBA-33 (Dcont)	DBA-34 (Dcont)	DBA-35 (Dcont)	DBA-36 (Dcont)	DBA-37 (Dcont)	DBA-38 (Dcont)	DBA-39 (Dcont)	DBA-40 (Dcont)	DBA-41 (Dcont)	DBA-42 (Dcont)	DBA-43 (Dcont)	DBA-44 (Dcont)	DBA-45 (Dcont)	DBA-46 (Dcont)	DBA-47 (Dcont)	DBA-48 (Dcont)	DBA-49 (Dcont)	DBA-50 (Dcont)	DBA-51 (Dcont)	DBA-52 (Dcont)	DBA-53 (Dcont)	DBA-54 (Dcont)	DBA-55 (Dcont)	DBA-56 (Dcont)	DBA-57 (Dcont)	DBA-58 (Dcont)	DBA-59 (Dcont)	DBA-60 (Dcont)	DBA-61 (Dcont)	DBA-62 (Dcont)	DBA-63 (Dcont)	DBA-64 (Dcont)	DBA-65 (Dcont)	DBA-66 (Dcont)	DBA-67 (Dcont)	DBA-68 (Dcont)	DBA-69 (Dcont)	DBA-70 (Dcont)	DBA-71 (Dcont)	DBA-72 (Dcont)	DBA-73 (Dcont)	DBA-74 (Dcont)	DBA-75 (Dcont)	DBA-76 (Dcont)	DBA-77 (Dcont)	DBA-78 (Dcont)	DBA-79 (Dcont)	DBA-80 (Dcont)	DBA-81 (Dcont)	DBA-82 (Dcont)	DBA-83 (Dcont)	DBA-84 (Dcont)	DBA-85 (Dcont)	DBA-86 (Dcont)	DBA-87 (Dcont)	DBA-88 (Dcont)	DBA-89 (Dcont)	DBA-90 (Dcont)	DBA-91 (Dcont)	DBA-92 (Dcont)	DBA-93 (Dcont)	DBA-94 (Dcont)	DBA-95 (Dcont)	DBA-96 (Dcont)	DBA-97 (Dcont)	DBA-98 (Dcont)	DBA-99 (Dcont)	DBA-100 (Dcont)	DBA-101 (Dcont)	DBA-102 (Dcont)	DBA-103 (Dcont)	DBA-104 (Dcont)	DBA-105 (Dcont)	DBA-106 (Dcont)	DBA-107 (Dcont)	DBA-108 (Dcont)	DBA-109 (Dcont)	DBA-110 (Dcont)	DBA-111 (Dcont)	DBA-112 (Dcont)	DBA-113 (Dcont)	DBA-114 (Dcont)	DBA-115 (Dcont)	DBA-116 (Dcont)	DBA-117 (Dcont)	DBA-118 (Dcont)	DBA-119 (Dcont)	DBA-120 (Dcont)	DBA-121 (Dcont)	DBA-122 (Dcont)	DBA-123 (Dcont)	DBA-124 (Dcont)	DBA-125 (Dcont)	DBA-126 (Dcont)	DBA-127 (Dcont)	DBA-128 (Dcont)	DBA-129 (Dcont)	DBA-130 (Dcont)	DBA-131 (Dcont)	DBA-132 (Dcont)	DBA-133 (Dcont)	DBA-134 (Dcont)	DBA-135 (Dcont)	DBA-136 (Dcont)	DBA-137 (Dcont)	DBA-138 (Dcont)	DBA-139 (Dcont)	DBA-140 (Dcont)	DBA-141 (Dcont)	DBA-142 (Dcont)	DBA-143 (Dcont)	DBA-144 (Dcont)	DBA-145 (Dcont)	DBA-146 (Dcont)	DBA-147 (Dcont)	DBA-148 (Dcont)	DBA-149 (Dcont)	DBA-150 (Dcont)	DBA-151 (Dcont)	DBA-152 (Dcont)	DBA-153 (Dcont)	DBA-154 (Dcont)	DBA-155 (Dcont)	DBA-156 (Dcont)	DBA-157 (Dcont)	DBA-158 (Dcont)	DBA-159 (Dcont)	DBA-160 (Dcont)	DBA-161 (Dcont)	DBA-162 (Dcont)	DBA-163 (Dcont)	DBA-164 (Dcont)	DBA-165 (Dcont)	DBA-166 (Dcont)	DBA-167 (Dcont)	DBA-168 (Dcont)	DBA-169 (Dcont)	DBA-170 (Dcont)	DBA-171 (Dcont)	DBA-172 (Dcont)	DBA-173 (Dcont)	DBA-174 (Dcont)	DBA-175 (Dcont)	DBA-176 (Dcont)	DBA-177 (Dcont)	DBA-178 (Dcont)	DBA-179 (Dcont)	DBA-180 (Dcont)	DBA-181 (Dcont)	DBA-182 (Dcont)	DBA-183 (Dcont)	DBA-184 (Dcont)	DBA-185 (Dcont)	DBA-186 (Dcont)	DBA-187 (Dcont)	DBA-188 (Dcont)	DBA-189 (Dcont)	DBA-190 (Dcont)	DBA-191 (Dcont)	DBA-192 (Dcont)	DBA-193 (Dcont)	DBA-194 (Dcont)	DBA-195 (Dcont)	DBA-196 (Dcont)	DBA-197 (Dcont)	DBA-198 (Dcont)	DBA-199 (Dcont)	DBA-200 (Dcont)	DBA-201 (Dcont)	DBA-202 (Dcont)	DBA-203 (Dcont)	DBA-204 (Dcont)	DBA-205 (Dcont)	DBA-206 (Dcont)	DBA-207 (Dcont)	DBA-208 (Dcont)	DBA-209 (Dcont)	DBA-210 (Dcont)	DBA-211 (Dcont)	DBA-212 (Dcont)	DBA-213 (Dcont)	DBA-214 (Dcont)	DBA-215 (Dcont)	DBA-216 (Dcont)	DBA-217 (Dcont)	DBA-218 (Dcont)	DBA-219 (Dcont)	DBA-220 (Dcont)	DBA-221 (Dcont)	DBA-222 (Dcont)	DBA-223 (Dcont)	DBA-224 (Dcont)	DBA-225 (Dcont)	DBA-226 (Dcont)	DBA-227 (Dcont)	DBA-228 (Dcont)	DBA-229 (Dcont)	DBA-230 (Dcont)	DBA-231 (Dcont)	DBA-232 (Dcont)	DBA-233 (Dcont)	DBA-234 (Dcont)	DBA-235 (Dcont)	DBA-236 (Dcont)	DBA-237 (Dcont)	DBA-238 (Dcont)	DBA-239 (Dcont)	DBA-240 (Dcont)	DBA-241 (Dcont)	DBA-242 (Dcont)	DBA-243 (Dcont)	DBA-244 (Dcont)	DBA-245 (Dcont)	DBA-246 (Dcont)	DBA-247 (Dcont)	DBA-248 (Dcont)	DBA-249 (Dcont)	DBA-250 (Dcont)	DBA-251 (Dcont)	DBA-252 (Dcont)	DBA-253 (Dcont)	DBA-254 (Dcont)	DBA-255 (Dcont)	DBA-256 (Dcont)	DBA-257 (Dcont)	DBA-258 (Dcont)	DBA-259 (Dcont)	DBA-260 (Dcont)	DBA-261 (Dcont)	DBA-262 (Dcont)	DBA-263 (Dcont)	DBA-264 (Dcont)	DBA-265 (Dcont)	DBA-266 (Dcont)</

NOTES: Preservatives, special reporting limits, known contamination, additional testing parameters, etc.;

RELINQUISHED BY: <i>P. Wood</i>	DATE/TIME: <i>9-14-04 1110</i>	RECEIVED BY: <i>John J. ...</i>
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:

RELINQUISHED BY: _____ DATE/TIME: _____ RECEIVED BY: _____

RECEIVED BY:

PROJECT MANAGER: Plant EXT: 9707

Ext: 9707

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(508) 435-9244
FAX (508) 435-9912**



07180173

8.17.05

TURNAROUND TIME: Standard Rush Days, Approved by: _____ LAB USE: _____
TEMP. OF COOLER 35.4 °C

GZA FILE NO: 08. 0099999. 26 P.O. NO.

PROJECT ~~1000~~ ALTGT Land F.V. (55814)

LOCATION
Buffalo NY

COLLECTOR(S) _____ SHEET 1 OF 1