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734053 4/13/91

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ENVIRONMENTAL SERVICES

SYRACUSE® CHINA CORPORATION
P.O. BOX 4820
SYRACUSE, NEW YORK 13221

LANDFILL CLOSURE PROJECT

GROUNDWATER ANALYSIS

SURFACE WATER ANALYSIS

APRIL 1991

446 BROAD STREET • WAVERLY, N.Y. 14892-1445
(607) 565-2893
FAX # (607) 565-4083

NEW YORK LAB # 10252
NEW JERSEY LAB # 73168
PENNSYLVANIA LAB # 68180
EPA LAB # NY 033

SYRACUSE® CHINA CORPORATION
P.O. BOX 4820, SYRACUSE, N.Y. 13221-4820
(315) 455-5671 • FAX (315) 455-6763

25 June, 1991

RECEIVED
JUN 26 1991
DEPT. OF ENV. CONSERVATION
REGION 7-ENV. QUALITY

Mr. Charles J. Branagh, P.E.
Senior Sanitary Engineer
Division of Environmental Enforcement
New York State Department of
Environmental Conservation
615 Erie Boulevard West
Syracuse, New York 13204-2400

Dear Mr. Branagh:

As part of the landfill closure process, Syracuse China Corporation is taking groundwater and surface water samples in the vicinity of its on-site landfill. A round of sampling was conducted this spring. The report on this sampling was recently completed, and a copy is being submitted to you under cover of this letter. A second round of sampling and analysis is now being completed. In addition, we intend to conduct two more rounds of sampling before the end of the year.

If you have any questions, please contact me at 455-5671.

Very truly yours,

SYRACUSE CHINA CORPORATION

By: Philip E. Harvard

Philip E. Harvard
Environmental Manager

Enclosure

cc: Richard J. Brickwedde, Esq.
(without enclosure)

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SERVICES

446 BROAD STREET WAVERLY, NY 14892-1445
Telephone (607) 565-2893 FAX # (607) 565-4083

AMERICAN COUNCIL OF INDEPENDENT LABORATORIES, INC.

REPORT

Routine Analysis

of Monitoring Wells

at

Syracuse China

Syracuse, New York

April 1991

RECEIVED
JUN 26 1991
DEPT. OF ENV. CONSERVATION
REGION 7-ENV. QUALITY

Philip E. Harvard
Syracuse China Corp.
2900 Court Street
P.O. Box 4820
Syracuse, New York 13221

Stanley C. Criss
Project Manager

Gregory W. Burrows, M.S.
Laboratory Director

Lindsey K. Brown
Quality Assurance Manager

Date: May 1991

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SERVICES

446 BROAD STREET WAVERLY, NY 14892-1445
Telephone (607) 565-2893 FAX # (607) 565-4083

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CASE NARRATIVE

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Telephone (607) 565-2893 FAX # (607) 565-4083

CASE NARRATIVE

INTRODUCTION

The purpose of this report is to present the results of analyses of groundwater and surface water samples taken on April 16, 1991, from the Syracuse China Corp. Landfill in Syracuse, New York.

SAMPLING

Samples of groundwater were taken by personnel from FLI Environmental Services. Pre-cleaned sample containers were prepared and packed in plastic coolers by FLI Environmental Services. Each cooler contained sufficient bottles for the sampling of two monitoring sites. Frozen ice-paks were supplied in separate coolers. Filled coolers were transported at the end of the sampling day by the FLI Field Services Department. A chain-of-custody accompanied each group of samples and is presented in Section 5 of this report.

ANALYSES

The individual well reports for the results of the analyses are given in Section 6 of this report. The reports for wet chemistry, metals, TOC, TOX and organics are grouped together in the same order for each well. Each report contains the following information:

- date sampled
- date sample was received at the laboratory
- laboratory identification number
- sample description (customer identification)
- site location
- analysis performed
- parameter concentration and/or method detection limit
- concentration units
- date analyzed
- method of analysis
- analyst
- notebook reference

QA/QC PROCEDURES

The following QA/QC procedures were followed to insure the reliability of the data:

- A chain-of-custody was prepared for each day of sampling
- Instrument or method blanks were prepared for each analysis, and are noted in the Quality Control Section
- QC analyses were performed on 10% of all analyses
- Matrix spike and matrix spike duplicates were performed on 10% of all samples

Summary spreadsheets are given in Section 2. Detection limits for each analysis are listed at the bottom of each column for comparison purposes.

SUMMARY OF MONITORING RESULTS

An Executive Summary listing analytical parameters with results greater than the New York State Department of Environmental Conservation Regulatory Limits is given in Section 3 of this report. The following is a listing and discussion of those results which exceeced either Regulatory or Guidance values:

NOTE: Surface water and leachates, not being ground water, do not strictly adhere to the DEC Regulatory Limits, but are listed in this report for comparison purposes only.

- Monitoring well MW-3 contained lead at a concentration of 0.047 mg/L. This value is greater than the Regulatory Limit of 0.025 mg/L. All laboratory quality control was found to be acceptable for the analysis.

SPREADSHEETS

Syracuse China Corp. GROUNDWATER MONITORING SUMMARY 05/29/01

ID #	ORIGIN	Aluminum	Antimony	Arsenic	Barium	Beryllium	Bismuth	Cadmium	Calcium	Chromium	Cobalt	Copper	Gold	Iron	Lead mg/L	Lithium	Magnesium	Manganese
47967	MW-1														0.007			
47968	MW-1 DISSOLVED														ND<0.005			
47969	MW-2														ND<0.005			
47970	MW-2 DISSOLVED														ND<0.005			
47971	MW-3														0.047			
47972	MW-3 DISSOLVED														ND<0.005			
47973	MW-4														ND<0.005			
47974	MW-4 DISSOLVED														ND<0.005			
47975	MW-5														0.005			
47976	MW-5 DISSOLVED														ND<0.005			
47977	SW-2														0.013			
47978	SW-2 DISSOLVED														ND<0.005			
47979	SW-3														0.008			
47980	SW-3 DISSOLVED														0.007			
47981	SW-4														ND<0.005			
47982	SW-4 DISSOLVED														ND<0.005			
47983	POND														ND<0.005			
47984	POND DISSOLVED														ND<0.005			
99997	NYS DEC STD.	None	0.003	0.025	1.0	0.003		0.01	None	0.05		1.0		0.3	0.025		35.0	0.3
99998	DET. LIMITS	ND<0.029	ND<0.019	ND<0.002	ND<0.001	ND<0.002		ND<0.002	ND<0.040	ND<0.004	ND<0.05	ND<0.002		ND<0.015	ND<0.005		ND<0.005	ND<0.003

Syracuse China Corp. GROUNDWATER MONITORING SUMMARY 05/20/91

ID #	ORIGIN	Mercury	Molybdenum	Nickel	Hexachrome	Potassium	Selenium	Silver	Sodium	Tin	Thallium	Zinc
47967	MW-1											
47968	MW-1 DISSOLVED											
47969	MW-2											
47970	MW-2 DISSOLVED											
47971	MW-3											
47972	MW-3 DISSOLVED											
47973	MW-4											
47974	MW-4 DISSOLVED											
47975	MW-5											
47976	MW-5 DISSOLVED											
47977	SW-2											
47978	SW-2 DISSOLVED											
47979	SW-3											
47980	SW-3 DISSOLVED											
47981	SW-4											
47982	SW-4 DISSOLVED											
47983	POND											
47984	POND DISSOLVED											
99997	NYS DEC STD.	0.002	None		0.05	None	0.02	0.05	None	None	0.004	5.0
99998	DET. LIMITS	ND<0.0002	ND<0.010		ND<0.01	ND<0.028	ND<0.002	ND<0.003	ND<0.015	ND<0.8	ND<0.005	ND<0.003

Syracuse China Corp. GROUNDWATER MONITORING SUMMARY 05/20/91
(Organics Scans)

KEY :	*	Scan requested, not yet done
	ND	No analytes detected
	+	Analytes detected

ID #	ORIGIN	601	602	TOX	TOC	PCB	Pesticides	8010	8020
47967	MW-1	*	*						
47969	MW-2	*	*						
47971	MW-3	*	*						
47973	MW-4	*	*						
47975	MW-5	*	*						
47977	SW-2	*	*						
47979	SW-3	*	*						
47981	SW-4	*	*						
47983	POND	*	*						
99998	DET. LIMITS			0.01	0.01				

Syracuse China Corp.

GROUNDWATER MONITORING SUMMARY
for in field analyses

05/23/91

Sample ID#	Origin	Cl Residual (total)	Cl Residual (free)	Conductivity	Sampling Depth	Depth to Groundwater	Dissolved Oxygen	Eh	Flow	pH	Sulfite	Temperature	Depth recovered t
					feet	feet							feet
47967	MW-1				16.95	16.95							16.95
47969	MW-2				8.90	3.83							8.90
47971	MW-3				3.85	3.62							3.85
47973	MW-4				5.10	5.10							5.10
47975	MW-5				4.95	2.95							4.95
99997	NYS DEC STD.			None				None		6.5 - 8.5	None		50
99998	DET. LIMITS			None				None		None	None		

OVER LIMIT

FLI ENVIRONMENTAL SERVICES

446 BROAD STREET WAVERLY, NY 14892-1445
Telephone (607) 565-2893 FAX # (607) 565-4083

EXECUTIVE SUMMARY

Syracuse China

DEC 703.5 Priority Pollutant Overlimit Parameters

Analyte	(mg/L)[1]	Sampling Location MW-3
Lead	(0.025)	0.047

[1] Maximum Contaminant Level according to the New York State Department of Environmental Conservation Surface Water and Groundwater Classifications and Standards, Title 6, Part 703.5

FIELD DATA

Groundwater Sampling Field Log

Sample Site Syracuse China Well # MW-1 Seq. # 6...

Date 4-16-91... Sampling Time ...2:35 Purge Time 11:30-11:40 Sample Type: Grab X Composite __

Sampled with : Teflon Bailer X Bladder Pump ___ Other .....

Purged with: Teflon Bailer X Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe ..24.40'.....

Depth from top of standpipe to water table ..16.95'..... Duplicate .....

Length of water column (LWC) ...7.45'.....

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = ..1.2..... gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color Clear Odor no IF Turbidity none

Is an Oil film or layer apparent? YES___ NO X YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = ...N.A.... GPM (gal. per minute)

Amount of water removed before sampling (purge volume) ...4.0..... gallons

Did well go dry? YES___ NO X Proper disposal of purge water? YES X NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color Clear Odor no Turbidity moderate

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: ...16.95'..... Depth Recovered To At Sampling ..16.95.....

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: _____

_____

_____

Technicians RS/SC Weather Sunny 60's

Groundwater Sampling Field Log

Sample Site Syracuse China Well # MW-2 Seq. # 5

Date 4-16-91 Sampling Time 2:00 Purge Time 1:30-1:40 Sample Type: Grab X Composite __

Sampled with : Teflon Bailer X Bladder Pump ___ Other .....

Purged with: Teflon Bailer X Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe 13.05'

Depth from top of standpipe to water table 3.83' Duplicate .....

Length of water column (LWC) 9.22'

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = 1.5 gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color Clear Odor no Turbidity slight

Is an Oil film or layer apparent? YES___ NO X IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = N.A. GPM (gal. per minute)

Amount of water removed before sampling (purge volume) 5.0 gallons

Did well go dry? YES___ NO X Proper disposal of purge water? YES X NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color Brown Odor no Turbidity extreme

Was an oil film or layer apparent? YES___ NO ✓ If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: 8.90' Depth Recovered To At Sampling 8.90'

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: _____

_____

_____

Technicians RS / SC Weather Sunny 60's

Groundwater Sampling Field Log

Sample Site Syracuse china Well # MW-3 Seq. # 9

Date 4-16-91 Sampling Time 3:30 Purge Time 2:15-2:25 Sample Type: Grab X Composite __

Sampled with : Teflon Bailer X Bladder Pump ___ Other .....

Purged with: Teflon Bailer X Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe 12.00'

Depth from top of standpipe to water table 3.62' Duplicate .....

Length of water column (LWC) 8.38'

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = 1.4 gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color dark orange/rust Odor no Turbidity slight to moderate

Is an Oil film or layer apparent? YES___ NO X IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = N/A GPM (gal. per minute)

Amount of water removed before sampling (purge volume) 4.1 gallons

Did well go dry? YES___ NO X Proper disposal of purge water? YES X NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color clear Odor no Turbidity moderate

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: 3.85' Depth Recovered To At Sampling 3.85'

DECONTAMINATION OF EQUIPMENT:

Detergent ✓ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: _____

_____

_____

Technicians ~~Sunny~~ RS/SC Weather 60° Sunny

Groundwater Sampling Field Log

Sample Site Syracuse China Well # MW-4 Seq. # 3

Date 4-16-91 Sampling Time 1:00 pm Purge Time 11:55 - 12:05 Sample Type: Grab X Composite __

Sampled with : Teflon Bailer X Bladder Pump ___ Other .....

Purged with: Teflon Bailer X Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe 13.30'

Depth from top of standpipe to water table 5.10' Duplicate .....

Length of water column (LWC) 8.20'

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = 1.3 gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color clear Odor no Turbidity slight

Is an Oil film or layer apparent? YES___ NO X IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = N.A. GPM (gal. per minute)

Amount of water removed before sampling (purge volume) 4 gallons

Did well go dry? YES___ NO X Proper disposal of purge water? YES___ NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color Brown Odor no Turbidity extreme

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: 5.10' Depth Recovered To At Sampling 5.10'

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: Well locks were rusted shut & Gary from Syracuse china used a lubricant - Petroleum based to free up - All measurements taken from Top of PVC

Technicians RS + SC Weather Sunny 50's

Groundwater Sampling Field Log

Sample Site Syracuse China Well # MW-5 Seq. # 7

Date 4-16-91 Sampling Time 3:00 Purge Time 11:45-11:50 Sample Type: Grab X Composite ___

Sampled with : Teflon Bailer X Bladder Pump ___ Other .....

Purged with: Teflon Bailer X Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe 13.35'

Depth from top of standpipe to water table 2.95' Duplicate .....

Length of water column (LWC) 10.40'

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = 1.7 gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color clear Odor no Turbidity slight

Is an Oil film or layer apparent? YES___ NO X IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = N.A. GPM (gal. per minute)

Amount of water removed before sampling (purge volume) 5.5 gallons

Did well go dry? YES___ NO___ Proper disposal of purge water? YES X NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color clear Odor no Turbidity slight

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: 4.95' Depth Recovered To At Sampling 4.95'

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: _____

_____

_____

Technicians RS/SC Weather Sunny 60's

Groundwater Sampling Field Log

Sample Site Syracuse China Well # SW-2 Seq. # 4

Date 4-16-91 Sampling Time 1:50 Purge Time ..... Sample Type: Grab X Composite ___

Sampled with : Teflon Bailer N/A Bladder Pump ___ Other .....

Purged with: Teflon Bailer ___ Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe .....

Depth from top of standpipe to water table ..... Duplicate .....

Length of water column (LWC) .....

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = ... gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color _____ Odor ___ Turbidity _____

Is an Oil film or layer apparent? YES___ NO___ IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = ... GPM (gal. per minute)

Amount of water removed before sampling (purge volume) ..... gallons

Did well go dry? YES___ NO___ Proper disposal of purge water? YES___ NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color clear Odor nil Turbidity slight

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: ..... Depth Recovered To At Sampling .....

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: _____

_____

_____

Technicians RS/SC Weather Sunny 60's

Groundwater Sampling Field Log

Sample Site Syracuse China ~~Well #~~ SW-3 Seq. # 1

Date 4-16-91 Sampling Time 12:30 Purge Time ..... Sample Type: Grab X Composite ___

Sampled with : Teflon Bailer ___ Bladder Pump ___ Other .....

Purged with: Teflon Bailer ___ Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe .....

Depth from top of standpipe to water table ..... Duplicate .....

Length of water column (LWC) .....

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = ... gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color _____ Odor ___ Turbidity _____

Is an Oil film or layer apparent? YES___ NO___ IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = ... GPM (gal. per minute)

Amount of water removed before sampling (purge volume) ..... gallons

Did well go dry? YES___ NO___ Proper disposal of purge water? YES___ NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color Clear Odor no Turbidity slight

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: ..... Depth Recovered To At Sampling .....

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: ~~Well Locks~~

Technicians NS/SC Weather Sunny 60's

Groundwater Sampling Field Log

Sample Site Syracuse China Well # SW-4 Seq. # 8

Date 4-16-91 Sampling Time 3:10 Purge Time ..... Sample Type: Grab X Composite __

Sampled with : Teflon Bailer ___ Bladder Pump ___ Other .....

Purged with: Teflon Bailer ___ Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe .....

Depth from top of standpipe to water table ..... Duplicate .....

Length of water column (LWC) .....

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = ... gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color _____ Odor ___ Turbidity _____

Is an Oil film or layer apparent? YES___ NO___ IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = ... GPM (gal. per minute)

Amount of water removed before sampling (purge volume) ..... gallons

Did well go dry? YES___ NO___ Proper disposal of purge water? YES___ NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color Clear Odor no Turbidity slight

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: ..... Depth Recovered To At Sampling .....

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ Hexane ___ Methanol ___ D.I. Water ✓

Notes: _____

_____

_____

Technicians NS/SC Weather Sunny 60's

Groundwater Sampling Field Log

Sample Site Syracuse China ~~Well~~ # pond Seq. # 2

Date 4-16-91 Sampling Time 12:47 Purge Time ..... Sample Type: Grab X Composite ___

Sampled with : Teflon Bailer ___ Bladder Pump ___ Other .....

Purged with: Teflon Bailer ___ Bladder Pump ___ Other .....

pH Meter Calibration Check Actual ..... Buffer value .....

Conductivity Meter Calibration Check Actual ..... Standard value .....

Eh Meter Calibration Check Actual ..... Standard value .....

WATER TABLE: Well depth from top of standpipe .....

Depth from top of standpipe to water table ..... Duplicate .....

Length of water column (LWC) .....

VOLUME OF WATER IN WELL: 2" diameter well = 0.163 x (LWC) = ... gallons

4" diameter well = 0.653 X (LWC) = ... gallons

6" diameter well = 1.469 X (LWC) = ... gallons

PHYSICAL APPEARANCE BEFORE PURGING: Color _____ Odor ___ Turbidity _____

Is an Oil film or layer apparent? YES___ NO___ IF YES: Top ___ Bottom ___

PREPARATION OF WELL FOR SAMPLING: Pumping Rate = ... GPM (gal. per minute)

Amount of water removed before sampling (purge volume) ..... gallons

Did well go dry? YES___ NO___ Proper disposal of purge water? YES___ NO___

PHYSICAL APPEARANCE DURING SAMPLING:

Color clear Odor no Turbidity sl. gy

Was an oil film or layer apparent? YES___ NO X If yes, TOP ___ BOTTOM ___

Conductivity: Start ..... Finish ..... uMHOS/cm pH (S)..... (F).....

Temperature: Start ..... Finish ..... C or F Eh (S)..... (F).....mV

Sampling Depth: ..... Depth Recovered To At Sampling .....

DECONTAMINATION OF EQUIPMENT:

Detergent ___ .1n-HCL ✓ ___ Hexane ___ Methanol ___ D.I. Water ✓ ___

Notes: _____

_____

_____

Technicians RS / SC Weather Sunny 60's

CHAIN-OF-CUST

Page ____ of ____

CHAIN OF CUSTODY RECORD

PROJECT NO.	CLIENT NAME	# OF CONTAINERS	SAMPLE SITE	SAMPLER'S SIGNATURE
	Syracuse China		Landfill	Randy J. Sleffl

SAMPLE NO.	DATE	TIME	ORIGIN/SOURCE	DESCRIPTION COMP / GRAB / OTHER	ANALYSES/TESTS REQUESTED
SW-3	4-16-91	12:30pm	Surface water	FL 47979 / FL 47980	601 & 602, Tot. Pb & Diss. Pb
Pond	4-16-91	12:45pm	Pond	FL 47983 / FL 47984	" "
MW-4	"	1:00pm	monitoring well	FL 47973 / FL 47974	" "
SW-2	"	1:50pm	Surface water	FL 47977 / FL 47978	" "
MW-2	"	2:00pm	monitoring well	FL 47969 / FL 47970	" "
MW-1	"	2:35pm	monitoring well	FL 47967 / FL 47968	" "
MW-5	"	3:00pm	monitoring well	FL 47975 / FL 47976	" "
SW-4	"	3:10pm	Surface water	FL 47981 / FL 47982	" "
MW-3	"	3:30pm	monitoring well	FL 47971 / FL 47972	" "

RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME	RECEIVED BY SIGNATURE / PRINT	DATE/TIME	RELINQUISHED BY SIGNATURE / PRINT	DATE/TIME
Randy J. Sleffl / Randy J. Sleffl	4/16/91 7:55pm				
RECEIVED BY SIGNATURE / PRINT	**DATE/TIME**	**RELINQUISHED BY SIGNATURE / PRINT**	**DATE/TIME**	**RECEIVED AT LAB BY SIGNATURE / PRINT**	**DATE/TIME**
				Toni Thompson / Toni Thompson	4/17/91 12:50

REMARKS

FLI ENVIRONMENTAL SERVICES
446 Broad Street * Waverly, NY 14892-1445
Phone (607) 565-2893 * FAX (607) 565-4083

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 29, 1991

LAB SAMPLE ID : 47967

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-1
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	0.007	mg/L	05/08/91	EPA 7421	90-56-41

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47967

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-1
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/22/91	91-042-451

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Galetka
MANAGER

cc :

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 2, 1991

LAB SAMPLE ID : 47967

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-1
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Galetka
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI ENVIRONMENTAL SERVICES
446 BROAD STREET
WAVERLY, NY 14892-1445
(607) 565-2893

NY Lab #10252
PA Lab #68180

Apr 18, 1991

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

Sample ID # : 47967
Client Site : SYRACUSE CHINA LANDFILL
Origin : MW-1
Description : GRAB
Sampled on : 04/16/91 by FLI/RS/SC
Picked up on : 04/16/91 by RS
Date received : 04/17/91
PWS ID # :
P.O. # :

Analysis Performed	Result	Units	Analysis by	Method
Sampling Depth	16.95	feet	RS	
Depth to Groundwater	16.95	feet	RS	
Depth recovered to	16.95	feet	RS	

COMMENT :

Approved by : Randy Steffler
Manager, Field Services

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.

cc :

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47968

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-1 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/08/91	EPA 7421	90-56-41

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47969

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-2
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47969

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-2
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/22/91	91-042-455

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

cc :

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 2, 1991

LAB SAMPLE ID : 47969

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-2
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI ENVIRONMENTAL SERVICES
446 BROAD STREET
WAVERLY, NY 14892-1445
(607) 565-2893

NY Lab #10252
PA Lab #68180

Apr 18, 1991

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

Sample ID # : 47969
Client Site : SYRACUSE CHINA LANDFILL
Origin : MW-2
Description : GRAB
Sampled on : 04/16/91 by FLI/RS/SC
Picked up on : 04/16/91 by RS
Date received : 04/17/91
PWS ID # :
P.O. # :

Analysis Performed	Result	Units	Analysis by	Method
Sampling Depth	8.90	feet	RS	
Depth to Groundwater	3.83	feet	RS	
Depth recovered to	8.90	feet	RS	

COMMENT :

Approved by : Randy Hoffman
Manager, Field Services

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.

cc :

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47970

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-2 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47971

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-3
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	0.047	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47971

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-3
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/22/91	91-042-456

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Sabatka
MANAGER

cc :

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 2, 1991

LAB SAMPLE ID : 47971

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-3
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletta
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI ENVIRONMENTAL SERVICES
446 BROAD STREET
WAVERLY, NY 14892-1445
(607) 565-2893

NY Lab #10252
PA Lab #68180

Apr 18, 1991

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

Sample ID # : 47971
Client Site : SYRACUSE CHINA LANDFILL
Origin : MW-3
Description : GRAB
Sampled on : 04/16/91 by FLI/RS/SC
Picked up on : 04/16/91 by RS
Date received : 04/17/91
PWS ID # :
P.O. # :

Analysis Performed	Result	Units	Analysis by	Method
Sampling Depth	3.85	feet	RS	
Depth to Groundwater	3.62	feet	RS	
Depth recovered to	3.85	feet	RS	

COMMENT :

Approved by : Randy Huff
Manager, Field Services

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.

cc :

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47972

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-3 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47973

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-4
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES
446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47973

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-4
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/22/91	91-042-457

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Galetka
MANAGER

cc :

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 2, 1991

LAB SAMPLE ID : 47973

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-4
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Galetka
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI ENVIRONMENTAL SERVICES
446 BROAD STREET
WAVERLY, NY 14892-1445
(607) 565-2893

NY Lab #10252
PA Lab #68180

Apr 18, 1991

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

Sample ID # : 47973
Client Site : SYRACUSE CHINA LANDFILL
Origin : MW-4
Description : GRAB
Sampled on : 04/16/91 by FLI/RS/SC
Picked up on : 04/16/91 by RS
Date received : 04/17/91
PWS ID # :
P.O. # :

Analysis Performed	Result	Units	Analysis by	Method
Sampling Depth	5.10	feet	RS	
Depth to Groundwater	5.10	feet	RS	
Depth recovered to	5.10	feet	RS	

COMMENT :

Approved by : Randy Shaffer
Manager, Field Services

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.

cc :

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47974

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-4 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/l	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47975

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-5
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	0.005	mg/L	05/08/91	EPA 7421	90-56-41

cc :

APPROVED BY: _____
MANAGER

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FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47975

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-5
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/22/91	91-042-458

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Galatka
MANAGER

cc :

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES
446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 2, 1991

LAB SAMPLE ID : 47975

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	MW-5
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Sabatka
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI ENVIRONMENTAL SERVICES
446 BROAD STREET
WAVERLY, NY 14892-1445
(607) 565-2893

NY Lab #10252
PA Lab #68180

Apr 18, 1991

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

Sample ID # : 47975
Client Site : SYRACUSE CHINA LANDFILL
Origin : MW-5
Description : GRAB
Sampled on : 04/16/91 by FLI/RS/SC
Picked up on : 04/16/91 by RS
Date received : 04/17/91
PWS ID # :
P.O. # :

Analysis Performed	Result	Units	Analysis by	Method
Sampling Depth	4.95	feet	RS	
Depth to Groundwater	2.95	feet	RS	
Depth recovered to	4.95	feet	RS	

COMMENT :

Approved by : Randy Hoffman
Manager, Field Services

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your sample will be discarded after 14 days unless we are advised otherwise.

cc :

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 17, 1991

LAB SAMPLE ID : 47976

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	MW-5 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/17/91	EPA 7421	90-58-5

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

SURFACE WATERS

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47977

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-2
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	0.013	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

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FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47977

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-2
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/23/91	91-042-466

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

cc :

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FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47977

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-2
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

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FLI
ENVIRONMENTAL
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446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47978

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-2 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47979

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-3
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	0.008	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47979

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-3
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/23/91	91-042-467

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

cc :

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47979

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	SW-3
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	48	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Sabatka
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

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ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47980

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-3 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	0.007	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47981

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-4
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI ENVIRONMENTAL SERVICES
446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47981

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	SW-4
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/23/91	91-029-468

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

cc :

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47981

Syracuse China Corp.

* Please refer to page 1
for key references.

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-4
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 14, 1991

LAB SAMPLE ID : 47982

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	SW-4 DISSOLVED
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 15, 1991

LAB SAMPLE ID : 47983

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE :	SYRACUSE CHINA LANDFILL
ORIGIN :	POND
DESCRIPTION :	GRAB
SAMPLED ON :	04/16/91
DATE RECEIVED :	04/17/91
PWS ID :	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/10/91	EPA 7421	90-56-42

cc :

APPROVED BY: _____
MANAGER

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FLI ENVIRONMENTAL SERVICES
446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47983

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	POND
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

* Key	Method	Analyst	Date Analyzed	Notebook Reference
1	SW846/8010/8020	PC	04/23/91	91-042-469

Compound Detected	Concentration	Units	Key *
Volatile Organic Compounds			
Benzene	ND<1	ug/L	1
Toluene	ND<1	ug/L	1
Chlorobenzene	ND<1	ug/L	1
Ethylbenzene	ND<1	ug/L	1
1,3-Dichlorobenzene	ND<1	ug/L	1
1,4-Dichlorobenzene	ND<1	ug/L	1
1,2-Dichlorobenzene	ND<1	ug/L	1
Halogenated Volatile Organics			
Dichlorodifluoromethane	ND<1	ug/L	1
Chloromethane	ND<1	ug/L	1
Vinyl Chloride	ND<1	ug/L	1
Bromomethane	ND<1	ug/L	1
Chloroethane	ND<1	ug/L	1
Trichlorofluoromethane	ND<1	ug/L	1
1,1-Dichloroethene	ND<1	ug/L	1
Methylene Chloride	ND<1	ug/L	1
trans-1,2-Dichloroethene	ND<1	ug/L	1
1,1-Dichloroethane	ND<1	ug/L	1
Chloroform	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

cc :

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FLI
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SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 7, 1991

LAB SAMPLE ID : 47983

Syracuse China Corp.

* Please refer to page 1 for key references.

SAMPLE SOURCE	SYRACUSE CHINA LANDFILL
ORIGIN	POND
DESCRIPTION	GRAB
SAMPLED ON	04/16/91
DATE RECEIVED	04/17/91
PWS ID	

Compound Detected	Concentration	Units	Key *
1,1,1-Trichloroethane	ND<1	ug/L	1
Carbon Tetrachloride	ND<1	ug/L	1
1,2-Dichloroethane	ND<1	ug/L	1
Trichloroethene	ND<1	ug/L	1
1,2-Dichloropropane	ND<1	ug/L	1
Bromodichloromethane	ND<1	ug/L	1
2-Chloroethylvinylether	ND<1	ug/L	1
cis-1,3-Dichloropropene	ND<1	ug/L	1
trans-1,3-Dichloropropene	ND<1	ug/L	1
1,1,2-Trichloroethane	ND<1	ug/L	1
Tetrachloroethene	ND<1	ug/L	1
Dibromochloromethane	ND<1	ug/L	1
Bromoform	ND<1	ug/L	1
1,1,2,2-Tetrachloroethane	ND<1	ug/L	1

APPROVED BY: Patricia A. Saletka
MANAGER

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FLI
ENVIRONMENTAL
SERVICES

446 BROAD STREET, WAVERLY, NY 14892-1445
TELEPHONE (607) 565-2893 FAX (607) 565-4083

REPORT

DATE : May 17, 1991

LAB SAMPLE ID : 47984

Syracuse China Corp.
Phil Harvard
2900 Court Street
P.O. Box 4820
Syracuse, NY 13221

SAMPLE SOURCE	:	SYRACUSE CHINA LANDFILL
ORIGIN	:	POND DISSOLVED
DESCRIPTION	:	GRAB
SAMPLED ON	:	04/16/91
DATE RECEIVED	:	04/17/91
PWS ID	:	

Analysis Performed	Result	Units	Date Analyzed	Method	Notebook Reference
Lead	ND<0.005	mg/L	05/17/91	EPA 7421	90-58-5

cc :

APPROVED BY: _____
MANAGER

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.