

APPENDIX J

ENDPOINT SAMPLE PROCEDURES AND ANALYTICAL RESULTS –
LANDFARM CELL

September 12, 1996

Ms. Karen Maiurano
Bur/Western Remedial Action
Div/Hazardous Waste Remediation
NYSDEC
50 Wolf Rd.
Albany, NY 12233-7010

Re: Confirmatory Sampling
Landfarm Cell Construction
61C Sherburne Site
S&W No. 1587.5

Dear Karen:

The purpose of this letter is to document our telephone conversation of September 10, 1996, concerning the endpoint confirmatory sampling, which will be undertaken by Stearns & Wheeler as part of the landfarm cell construction in Sherburne. Our field people have noted during previous exploratory sampling rounds in the West Field that an assessment of the extent of petroleum impacts can be made in the field using a PID, and from the visual appearance of the soil. Therefore, we will use field methods to determine when samples should be collected, as discussed below.

The sampling done this summer in the West Field again verified that a combination of visual and field screening (PID and the presence of odors) was able to verify the extent of the petroleum impacts. Therefore, we propose to excavate until a field determination is made that petroleum impacts have been removed to the extent practicable. At that time, grab soil samples will be collected approximately every 25 feet from the northern and southern sides of the excavation only, at a distance of one foot to six inches above the groundwater table. Each sample will be analyzed using EPA Method 8021 using ELAP protocol and 24-hour turnaround. The results will be compared to cleanup objectives for soil at inactive hazardous waste sites, as listed in NYSDEC Division of Hazardous Waste Remediation TAGM HWR-94-4046, dated January 24, 1994. It is estimated at this time, that approximately eight confirmatory soil samples will be collected. The maximum number of confirmatory soil samples to be collected at one time will be 10, five from each end of the excavation.

One Remington Park Drive
Cazenovia, New York 13035
(315) 655-8161 Fax (315) 655-4180

As discussed above, confirmatory soil samples will only be collected from the northern and southern sides of the excavation. Samples will not be collected from the eastern side of the excavation, as a collection system will be installed during construction to recover any petroleum located underneath the railroad tracks. Similarly, samples will not be collected from the western side of the excavation, as we have previously agreed the purpose of the landfarm cell is to remove petroleum product which may affect the performance of the future in-situ groundwater treatment system. In support of this, previous sampling events have indicated that the fuel oil impacts are minimal hydraulically downgradient from MW-19.

We have elected to analyze the soil samples using only EPA Method 8021, as previous sampling results have indicated the predominant fuel oil contaminants in the soil at the site are xylenes, substituted benzenes (for example, trimethyl benzene), and naphthalene, which are all detected by EPA Method 8021.

As construction is scheduled to begin Monday, September 16, 1996, once we receive your verbal agreement with this plan, this letter will be distributed to the field people who will be collecting the soil samples.

Very truly yours,

Diane K. Clark, D.E.
Senior Engineer

DKC/rah

cc: Barbara Curtis, General Instrument Corp.
David J. Chiusano, NYSDEC
Ilene Herbold, S&W Services

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NYS DOH ELAP NO. 10248

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** SAMPLE ANALYSIS REPORT **

10/04/96

Stearns & Wheeler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy
Phone: (315) 655-8161

Sample # 61018283
Customer ID: C - 10/03/96
Matrix: SHW, 48HR, AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
-----	-----	-----	-----	-----	-----
EPA 8021 Volatiles					
Benzene	<5	ug/kg		10/04/96	KMG
Bromobenzene	<5	ug/kg		10/04/96	KMG
Bromochloromethane	<5	ug/kg		10/04/96	KMG
Bromodichloromethane	<5	ug/kg		10/04/96	KMG
Bromoform	<5	ug/kg		10/04/96	KMG
Bromomethane	<5	ug/kg		10/04/96	KMG
n-Butylbenzene	<5	ug/kg		10/04/96	KMG
sec-Butylbenzene	<5	ug/kg		10/04/96	KMG
tert-Butylbenzene	<5	ug/kg		10/04/96	KMG
Carbon tetrachloride	<5	ug/kg		10/04/96	KMG
Chlorobenzene	<5	ug/kg		10/04/96	KMG
Chloroethane	<5	ug/kg		10/04/96	KMG
Chloroform	<5	ug/kg		10/04/96	KMG
Chloromethane	<5	ug/kg		10/04/96	KMG
2-Chlorotoluene	<5	ug/kg		10/04/96	KMG
4-Chlorotoluene	<5	ug/kg		10/04/96	KMG
Dibromochloromethane	<5	ug/kg		10/04/96	KMG
1,2-Dibromo-3-chloropropane (DBCP)	<5	ug/kg		10/04/96	KMG
1,2-Dibromoethane (EDB)	<5	ug/kg		10/04/96	KMG
Dibromomethane	<5	ug/kg		10/04/96	KMG
1,2-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
1,3-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
1,4-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
Dichlorodifluoromethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,2-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethene	<5	ug/kg		10/04/96	KMG
cis-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
trans-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
1,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,3-Dichloropropane	<5	ug/kg		10/04/96	KMG
2,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,1-Dichloropropene	<5	ug/kg		10/04/96	KMG
Ethylbenzene	<5	ug/kg		10/04/96	KMG

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Stearns & Wheeler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy

Phone: (315) 655-8161

Sample # 61018283
Customer ID: C - 10/03/96
Matrix: SHW,48HR,AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
Isopropylbenzene (Cumene)	<5	ug/kg		10/04/96	KMG
4-Isopropyltoluene (Cymene)	<5	ug/kg		10/04/96	KMG
Hexachlorobutadiene	<5	ug/kg		10/04/96	KMG
Methylene chloride	<10	ug/kg		10/04/96	KMG
Naphthalene	<5	ug/kg		10/04/96	KMG
n-Propylbenzene	<5	ug/kg		10/04/96	KMG
Styrene	<5	ug/kg		10/04/96	KMG
1,1,1,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG
1,1,2,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG
Tetrachloroethene	<5	ug/kg		10/04/96	KMG
Toluene	<5	ug/kg		10/04/96	KMG
1,2,3-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,2,4-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,1,1,-Trichloroethane	<5	ug/kg		10/04/96	KMG
1,1,2-Trichloroethane	<5	ug/kg		10/04/96	KMG
Trichloroethene	<5	ug/kg		10/04/96	KMG
Trichlorofluoromethane	<5	ug/kg		10/04/96	KMG
1,2,3-Trichloropropane	<5	ug/kg		10/04/96	KMG
1,2,4-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
1,3,5-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
Vinyl chloride	<5	ug/kg		10/04/96	KMG
o-Xylene	<5	ug/kg		10/04/96	KMG
m-Xylene	<5	ug/kg		10/04/96	KMG
p-Xylene	<5	ug/kg		10/04/96	KMG

Sample # 61018284
Customer ID: D - 10/03/96
Matrix: SHW,48HR,AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
EPA 8021 Volatiles					
Benzene	<5	ug/kg		10/04/96	KMG
Bromobenzene	<5	ug/kg		10/04/96	KMG
Bromochloromethane	<5	ug/kg		10/04/96	KMG

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Stearns & Wheeler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy

Phone: (315) 655-8161

Sample # 61018284

Project #: L2113 -355

Customer ID: D - 10/03/96

Matrix: SHW,48HR,AM

Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
Bromodichloromethane	<5	ug/kg		10/04/96	KMG
Bromoform	<5	ug/kg		10/04/96	KMG
Bromomethane	<5	ug/kg		10/04/96	KMG
n-Butylbenzene	<5	ug/kg		10/04/96	KMG
sec-Butylbenzene	<5	ug/kg		10/04/96	KMG
tert-Butylbenzene	<5	ug/kg		10/04/96	KMG
Carbon tetrachloride	<5	ug/kg		10/04/96	KMG
Chlorobenzene	<5	ug/kg		10/04/96	KMG
Chloroethane	<5	ug/kg		10/04/96	KMG
Chloroform	<5	ug/kg		10/04/96	KMG
Chloromethane	<5	ug/kg		10/04/96	KMG
2-Chlorotoluene	<5	ug/kg		10/04/96	KMG
4-Chlorotoluene	<5	ug/kg		10/04/96	KMG
Dibromochloromethane	<5	ug/kg		10/04/96	KMG
1,2-Dibromo-3-chloropropane (DBCP)	<5	ug/kg		10/04/96	KMG
1,2-Dibromoethane (EDB)	<5	ug/kg		10/04/96	KMG
Dibromomethane	<5	ug/kg		10/04/96	KMG
1,2-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
1,3-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
1,4-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
Dichlorodifluoromethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,2-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethene	<5	ug/kg		10/04/96	KMG
cis-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
trans-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
1,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,3-Dichloropropane	<5	ug/kg		10/04/96	KMG
2,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,1-Dichloropropene	<5	ug/kg		10/04/96	KMG
Ethylbenzene	<5	ug/kg		10/04/96	KMG
Isopropylbenzene (Cumene)	<5	ug/kg		10/04/96	KMG
4-Isopropyltoluene (Cymene)	<5	ug/kg		10/04/96	KMG
Hexachlorobutadiene	<5	ug/kg		10/04/96	KMG
Methylene chloride	<10	ug/kg		10/04/96	KMG
Naphthalene	<5	ug/kg		10/04/96	KMG
n-Propylbenzene	<5	ug/kg		10/04/96	KMG
Styrene	<5	ug/kg		10/04/96	KMG
1,1,1,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG

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10/04/96

Stearns & Wheler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy

Phone: (315) 655-8161

Sample # 61018284
Customer ID: D - 10/03/96
Matrix: SHW,48HR,AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
1,1,2,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG
Tetrachloroethene	<5	ug/kg		10/04/96	KMG
Toluene	<5	ug/kg		10/04/96	KMG
1,2,3-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,2,4-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,1,1,-Trichloroethane	<5	ug/kg		10/04/96	KMG
1,1,2-Trichloroethane	<5	ug/kg		10/04/96	KMG
Trichloroethene	<5	ug/kg		10/04/96	KMG
Trichlorofluoromethane	<5	ug/kg		10/04/96	KMG
1,2,3-Trichloropropane	<5	ug/kg		10/04/96	KMG
1,2,4-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
1,3,5-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
Vinyl chloride	<5	ug/kg		10/04/96	KMG
o-Xylene	<5	ug/kg		10/04/96	KMG
m-Xylene	<5	ug/kg		10/04/96	KMG
p-Xylene	<5	ug/kg		10/04/96	KMG

Sample # 61018285
Customer ID: E - 10/03/96
Matrix: SHW,48HR,AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
EPA 8021 Volatiles					
Benzene	<5	ug/kg		10/04/96	KMG
Bromobenzene	<5	ug/kg		10/04/96	KMG
Bromochloromethane	<5	ug/kg		10/04/96	KMG
Bromodichloromethane	<5	ug/kg		10/04/96	KMG
Bromoform	<5	ug/kg		10/04/96	KMG
Bromomethane	<5	ug/kg		10/04/96	KMG
n-Butylbenzene	<5	ug/kg		10/04/96	KMG
sec-Butylbenzene	<5	ug/kg		10/04/96	KMG
tert-Butylbenzene	<5	ug/kg		10/04/96	KMG
Carbon tetrachloride	<5	ug/kg		10/04/96	KMG
Chlorobenzene	<5	ug/kg		10/04/96	KMG
Chloroethane	<5	ug/kg		10/04/96	KMG

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** SAMPLE ANALYSIS REPORT **

10/04/96

Stearns & Wheeler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy

Phone: (315) 655-8161

Sample # 61018285

Project #: L2113 -355

Customer ID: E - 10/03/96

Matrix: SHW, 48HR, AM

Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
Chloroform	<5	ug/kg		10/04/96	KMG
Chloromethane	<5	ug/kg		10/04/96	KMG
2-Chlorotoluene	<5	ug/kg		10/04/96	KMG
4-Chlorotoluene	<5	ug/kg		10/04/96	KMG
Dibromochloromethane	<5	ug/kg		10/04/96	KMG
1,2-Dibromo-3-chloropropane (DBCP)	<5	ug/kg		10/04/96	KMG
1,2-Dibromoethane (EDB)	<5	ug/kg		10/04/96	KMG
Dibromomethane	<5	ug/kg		10/04/96	KMG
1,2-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
1,3-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
1,4-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
Dichlorodifluoromethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,2-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethene	<5	ug/kg		10/04/96	KMG
cis-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
trans-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
1,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,3-Dichloropropane	<5	ug/kg		10/04/96	KMG
2,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,1-Dichloropropene	<5	ug/kg		10/04/96	KMG
Ethylbenzene	<5	ug/kg		10/04/96	KMG
Isopropylbenzene (Cumene)	<5	ug/kg		10/04/96	KMG
4-Isopropyltoluene (Cymene)	<5	ug/kg		10/04/96	KMG
Hexachlorobutadiene	<5	ug/kg		10/04/96	KMG
Methylene chloride	<10	ug/kg		10/04/96	KMG
Naphthalene	<5	ug/kg		10/04/96	KMG
n-Propylbenzene	<5	ug/kg		10/04/96	KMG
Styrene	<5	ug/kg		10/04/96	KMG
1,1,1,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG
1,1,2,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG
Tetrachloroethene	<5	ug/kg		10/04/96	KMG
Toluene	<5	ug/kg		10/04/96	KMG
1,2,3-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,2,4-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,1,1,-Trichloroethane	<5	ug/kg		10/04/96	KMG
1,1,2-Trichloroethane	<5	ug/kg		10/04/96	KMG
Trichloroethene	<5	ug/kg		10/04/96	KMG
Trichlorofluoromethane	<5	ug/kg		10/04/96	KMG

** SAMPLE ANALYSIS REPORT **

10/04/96

Stearns & Wheeler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy
Phone: (315) 655-8161

Sample # 61018285
Customer ID: E - 10/03/96
Matrix: SHW,48HR,AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
1,2,3-Trichloropropane	<5	ug/kg		10/04/96	KMG
1,2,4-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
1,3,5-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
Vinyl chloride	<5	ug/kg		10/04/96	KMG
o-Xylene	<5	ug/kg		10/04/96	KMG
m-Xylene	<5	ug/kg		10/04/96	KMG
p-Xylene	<5	ug/kg		10/04/96	KMG

Sample # 61018286
Customer ID: F - 10/03/96
Matrix: SHW,48HR,AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
EPA 8021 Volatiles					
Benzene	<5	ug/kg		10/04/96	KMG
Bromobenzene	<5	ug/kg		10/04/96	KMG
Bromochloromethane	<5	ug/kg		10/04/96	KMG
Bromodichloromethane	<5	ug/kg		10/04/96	KMG
Bromoform	<5	ug/kg		10/04/96	KMG
Bromomethane	<5	ug/kg		10/04/96	KMG
n-Butylbenzene	<5	ug/kg		10/04/96	KMG
sec-Butylbenzene	<5	ug/kg		10/04/96	KMG
tert-Butylbenzene	<5	ug/kg		10/04/96	KMG
Carbon tetrachloride	<5	ug/kg		10/04/96	KMG
Chlorobenzene	<5	ug/kg		10/04/96	KMG
Chloroethane	<5	ug/kg		10/04/96	KMG
Chloroform	<5	ug/kg		10/04/96	KMG
Chloromethane	<5	ug/kg		10/04/96	KMG
2-Chlorotoluene	<5	ug/kg		10/04/96	KMG
4-Chlorotoluene	<5	ug/kg		10/04/96	KMG
Dibromochloromethane	<5	ug/kg		10/04/96	KMG
1,2-Dibromo-3-chloropropane (DBCP)	<5	ug/kg		10/04/96	KMG
1,2-Dibromoethane (EDB)	<5	ug/kg		10/04/96	KMG
Dibromomethane	<5	ug/kg		10/04/96	KMG
1,2-Dichlorobenzene	<5	ug/kg		10/04/96	KMG

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10/04/96

Stearns & Wheeler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

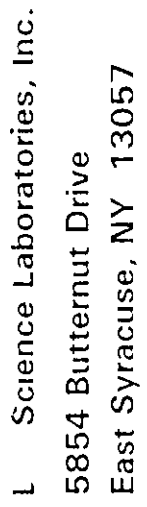
Contacts: Mr. Raymond Apy

Phone: (315) 655-8161

Sample # 61018286
Customer ID: F - 10/03/96
Matrix: SHW,48HR,AM

Project #: L2113 -355
Authorization: 415872A

Test Name	Results	Units	Comment	Completed	Initials
1,3-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
1,4-Dichlorobenzene	<5	ug/kg		10/04/96	KMG
Dichlorodifluoromethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,2-Dichloroethane	<5	ug/kg		10/04/96	KMG
1,1-Dichloroethene	<5	ug/kg		10/04/96	KMG
cis-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
trans-1,2-Dichloroethene	<5	ug/kg		10/04/96	KMG
1,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,3-Dichloropropane	<5	ug/kg		10/04/96	KMG
2,2-Dichloropropane	<5	ug/kg		10/04/96	KMG
1,1-Dichloropropene	<5	ug/kg		10/04/96	KMG
Ethylbenzene	<5	ug/kg		10/04/96	KMG
Isopropylbenzene (Cumene)	<5	ug/kg		10/04/96	KMG
4-Isopropyltoluene (Cymene)	<5	ug/kg		10/04/96	KMG
Hexachlorobutadiene	<5	ug/kg		10/04/96	KMG
Methylene chloride	<10	ug/kg		10/04/96	KMG
Naphthalene	<5	ug/kg		10/04/96	KMG
n-Propylbenzene	<5	ug/kg		10/04/96	KMG
Styrene	<5	ug/kg		10/04/96	KMG
1,1,1,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG
1,1,2,2-Tetrachloroethane	<5	ug/kg		10/04/96	KMG
Tetrachloroethene	<5	ug/kg		10/04/96	KMG
Toluene	<5	ug/kg		10/04/96	KMG
1,2,3-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,2,4-Trichlorobenzene	<5	ug/kg		10/04/96	KMG
1,1,1,-Trichloroethane	<5	ug/kg		10/04/96	KMG
1,1,2-Trichloroethane	<5	ug/kg		10/04/96	KMG
Trichloroethene	<5	ug/kg		10/04/96	KMG
Trichlorofluoromethane	<5	ug/kg		10/04/96	KMG
1,2,3-Trichloropropane	<5	ug/kg		10/04/96	KMG
1,2,4-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
1,3,5-Trimethylbenzene	<5	ug/kg		10/04/96	KMG
Vinyl chloride	<5	ug/kg		10/04/96	KMG
o-Xylene	<5	ug/kg		10/04/96	KMG
m-Xylene	<5	ug/kg		10/04/96	KMG
p-Xylene	<5	ug/kg		10/04/96	KMG

[illegible]

Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, New York 13057
(315) 445-1105
NYS DOH ELAP NO. 10248

Page # 1

** SAMPLE ANALYSIS REPORT **

10/03/96

Stearns & Wheeler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy
Phone: (315) 655-8161

Sample # 61018192 Project #: L2113 -351
Customer ID: A: North Wall of Pit - 10/02/96
Matrix: SHW,48HR Authorization: GI Sherburne

Test Name	Results	Units	Comment	Completed	Initials
-----	-----	-----	-----	-----	-----
EPA 8021 Volatiles					
Benzene	<5	ug/kg		10/03/96	KMG
Bromobenzene	<5	ug/kg		10/03/96	KMG
Bromochloromethane	<5	ug/kg		10/03/96	KMG
Bromodichloromethane	<5	ug/kg		10/03/96	KMG
Bromoform	<5	ug/kg		10/03/96	KMG
Bromomethane	<5	ug/kg		10/03/96	KMG
n-Butylbenzene	<5	ug/kg		10/03/96	KMG
sec-Butylbenzene	<5	ug/kg		10/03/96	KMG
tert-Butylbenzene	<5	ug/kg		10/03/96	KMG
Carbon tetrachloride	<5	ug/kg		10/03/96	KMG
Chlorobenzene	<5	ug/kg		10/03/96	KMG
Chloroethane	<5	ug/kg		10/03/96	KMG
Chloroform	<5	ug/kg		10/03/96	KMG
Chloromethane	<5	ug/kg		10/03/96	KMG
2-Chlorotoluene	<5	ug/kg		10/03/96	KMG
4-Chlorotoluene	<5	ug/kg		10/03/96	KMG
Dibromochloromethane	<5	ug/kg		10/03/96	KMG
1,2-Dibromo-3-chloropropane (DBCP)	<5	ug/kg		10/03/96	KMG
1,2-Dibromoethane (EDB)	<5	ug/kg		10/03/96	KMG
Dibromomethane	<5	ug/kg		10/03/96	KMG
1,2-Dichlorobenzene	<5	ug/kg		10/03/96	KMG
1,3-Dichlorobenzene	<5	ug/kg		10/03/96	KMG
1,4-Dichlorobenzene	<5	ug/kg		10/03/96	KMG
Dichlorodifluoromethane	<5	ug/kg		10/03/96	KMG
1,1-Dichloroethane	<5	ug/kg		10/03/96	KMG
1,2-Dichloroethane	<5	ug/kg		10/03/96	KMG
1,1-Dichloroethene	<5	ug/kg		10/03/96	KMG
cis-1,2-Dichloroethene	<5	ug/kg		10/03/96	KMG
trans-1,2-Dichloroethene	<5	ug/kg		10/03/96	KMG
1,2-Dichloropropane	<5	ug/kg		10/03/96	KMG
1,3-Dichloropropane	<5	ug/kg		10/03/96	KMG
2,2-Dichloropropane	<5	ug/kg		10/03/96	KMG

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NYS DOH ELAP NO. 10248

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** SAMPLE ANALYSIS REPORT **

10/03/96

Stearns & Wheler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy
Phone: (315) 655-8161

Sample # 61018192

Project #: L2113 -351

Customer ID: A: North Wall of Pit - 10/02/96

Matrix: SHW,48HR

Authorization: GI Sherburne

Test Name	Results	Units	Comment	Completed	Initials
1,1-Dichloropropene	<5	ug/kg		10/03/96	KMG
Ethylbenzene	<5	ug/kg		10/03/96	KMG
Isopropylbenzene (Cumene)	<5	ug/kg		10/03/96	KMG
4-Isopropyltoluene (Cymene)	<5	ug/kg		10/03/96	KMG
Hexachlorobutadiene	<5	ug/kg		10/03/96	KMG
Methylene chloride	<10	ug/kg	a	10/03/96	KMG
Naphthalene	<5	ug/kg		10/03/96	KMG
n-Propylbenzene	<5	ug/kg		10/03/96	KMG
Styrene	<5	ug/kg		10/03/96	KMG
1,1,1,2-Tetrachloroethane	<5	ug/kg		10/03/96	KMG
1,1,2,2-Tetrachloroethane	<5	ug/kg		10/03/96	KMG
Tetrachloroethene	<5	ug/kg		10/03/96	KMG
Toluene	<5	ug/kg		10/03/96	KMG
1,2,3-Trichlorobenzene	<5	ug/kg		10/03/96	KMG
1,2,4-Trichlorobenzene	<5	ug/kg		10/03/96	KMG
1,1,1,-Trichloroethane	<5	ug/kg		10/03/96	KMG
1,1,2-Trichloroethane	<5	ug/kg		10/03/96	KMG
Trichloroethene	<5	ug/kg		10/03/96	KMG
Trichlorofluoromethane	<5	ug/kg		10/03/96	KMG
1,2,3-Trichloropropane	<5	ug/kg		10/03/96	KMG
1,2,4-Trimethylbenzene	<5	ug/kg		10/03/96	KMG
1,3,5-Trimethylbenzene	<5	ug/kg		10/03/96	KMG
Vinyl chloride	<5	ug/kg		10/03/96	KMG
o-Xylene	<5	ug/kg		10/03/96	KMG
m-Xylene	<5	ug/kg		10/03/96	KMG
p-Xylene	<5	ug/kg		10/03/96	KMG

a- This result has been blank corrected.

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** SAMPLE ANALYSIS REPORT **

10/03/96

Stearns & Wheler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy

Phone: (315) 655-8161

Sample # 61018193

Project #: L2113 -351

Customer ID: B: South Wall of Pit - 10/02/96

Matrix: SHW,48HR

Authorization: GI Sherburne

Test Name	Results	Units	Comment	Completed	Initials
EPA 8021 Volatiles					
Benzene	<5	ug/kg		10/03/96	KMG
Bromobenzene	<5	ug/kg		10/03/96	KMG
Bromochloromethane	<5	ug/kg		10/03/96	KMG
Bromodichloromethane	<5	ug/kg		10/03/96	KMG
Bromoform	<5	ug/kg		10/03/96	KMG
Bromomethane	<5	ug/kg		10/03/96	KMG
n-Butylbenzene	<5	ug/kg		10/03/96	KMG
sec-Butylbenzene	<5	ug/kg		10/03/96	KMG
tert-Butylbenzene	<5	ug/kg		10/03/96	KMG
Carbon tetrachloride	<5	ug/kg		10/03/96	KMG
Chlorobenzene	<5	ug/kg		10/03/96	KMG
Chloroethane	<5	ug/kg		10/03/96	KMG
Chloroform	<5	ug/kg		10/03/96	KMG
Chloromethane	<5	ug/kg		10/03/96	KMG
2-Chlorotoluene	<5	ug/kg		10/03/96	KMG
4-Chlorotoluene	<5	ug/kg		10/03/96	KMG
Dibromochloromethane	<5	ug/kg		10/03/96	KMG
1,2-Dibromo-3-chloropropane (DBCP)	<5	ug/kg		10/03/96	KMG
1,2-Dibromoethane (EDB)	<5	ug/kg		10/03/96	KMG
Dibromomethane	<5	ug/kg		10/03/96	KMG
1,2-Dichlorobenzene	<5	ug/kg		10/03/96	KMG
1,3-Dichlorobenzene	<5	ug/kg		10/03/96	KMG
1,4-Dichlorobenzene	<5	ug/kg		10/03/96	KMG
Dichlorodifluoromethane	<5	ug/kg		10/03/96	KMG
1,1-Dichloroethane	<5	ug/kg		10/03/96	KMG
1,2-Dichloroethane	<5	ug/kg		10/03/96	KMG
1,1-Dichloroethene	<5	ug/kg		10/03/96	KMG
cis-1,2-Dichloroethene	<5	ug/kg		10/03/96	KMG
trans-1,2-Dichloroethene	<5	ug/kg		10/03/96	KMG
1,2-Dichloropropane	<5	ug/kg		10/03/96	KMG
1,3-Dichloropropane	<5	ug/kg		10/03/96	KMG
2,2-Dichloropropane	<5	ug/kg		10/03/96	KMG
1,1-Dichloropropene	<5	ug/kg		10/03/96	KMG
Ethylbenzene	<5	ug/kg		10/03/96	KMG
Isopropylbenzene (Cumene)	<5	ug/kg		10/03/96	KMG
4-Isopropyltoluene (Cymene)	<5	ug/kg		10/03/96	KMG

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** SAMPLE ANALYSIS REPORT **

10/03/96

Stearns & Wheler Engineering
1 Remington Park Drive
Cazenovia, NY 13035

Contacts: Mr. Raymond Apy
Phone: (315) 655-8161

Sample # 61018193

Project #: L2113 -351

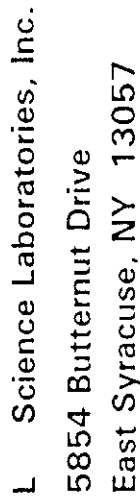
Customer ID: B: South Wall of Pit - 10/02/96

Matrix: SHW,48HR

Authorization: GI Sherburne

Test Name	Results	Units	Comment	Completed	Initials
Hexachlorobutadiene	<5	ug/kg		10/03/96	KMG
Methylene chloride	<10	ug/kg	a	10/03/96	KMG
Naphthalene	<5	ug/kg		10/03/96	KMG
n-Propylbenzene	<5	ug/kg		10/03/96	KMG
Styrene	<5	ug/kg		10/03/96	KMG
1,1,1,2-Tetrachloroethane	<5	ug/kg		10/03/96	KMG
1,1,2,2-Tetrachloroethane	<5	ug/kg		10/03/96	KMG
Tetrachloroethene	<5	ug/kg		10/03/96	KMG
Toluene	<5	ug/kg		10/03/96	KMG
1,2,3-Trichlorobenzene	<5	ug/kg		10/03/96	KMG
1,2,4-Trichlorobenzene	<5	ug/kg		10/03/96	KMG
1,1,1,-Trichloroethane	<5	ug/kg		10/03/96	KMG
1,1,2-Trichloroethane	<5	ug/kg		10/03/96	KMG
Trichloroethene	<5	ug/kg		10/03/96	KMG
Trichlorofluoromethane	<5	ug/kg		10/03/96	KMG
1,2,3-Trichloropropane	<5	ug/kg		10/03/96	KMG
1,2,4-Trimethylbenzene	<5	ug/kg		10/03/96	KMG
1,3,5-Trimethylbenzene	<5	ug/kg		10/03/96	KMG
Vinyl chloride	<5	ug/kg		10/03/96	KMG
o-Xylene	<5	ug/kg		10/03/96	KMG
m-Xylene	<5	ug/kg		10/03/96	KMG
p-Xylene	<5	ug/kg		10/03/96	KMG

a- This result has been blank corrected.



Chain of Custody Record

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