May 25, 1995

EPA Region 5 Records Ctr.
235047

Mr. Al Szklany
The Lockformer Company
711 Ogden Avenue
Lisle, IL 60532-1399

RE: Remedial Investigation at the Lockformer Company in Lisle, Illinois -- STS Project No. 26249-XH

Dear Mr. Szklany:

As per your request, STS Consultants, Ltd. (STS) has prepared this package of the data collected from the remedial investigation at the above-referenced site. To date STS has performed 12 soil borings and installed 6 monitoring wells as part of the remedial investigation. The field effort was performed between April 21 and May 5, 1995. During the performance of the soil borings, a mobile lab was utilized to perform chemical analyses in the field. Selected samples were also submitted to a subcontract laboratory to support the mobile lab analyses. The subcontract laboratory work consisted of the analyses of 8 soil samples for volatile organic compounds VOCs and 2 soil samples for waste characterization analyses.

We have enclosed for reference:

- Boring/Monitoring Well Location Diagrams
- A Typical Cross Section
- A table summarizing the VOC laboratory analyses
- Mobile laboratory results
- Copy of the laboratory test results

We look forward to discussing this project with you. If you have any questions, please do not hesitate to call us at (708)272-6520.

Sincerely,

STS CONSULTANTS, LTD.

Steven T. Newlin
Project Geologist

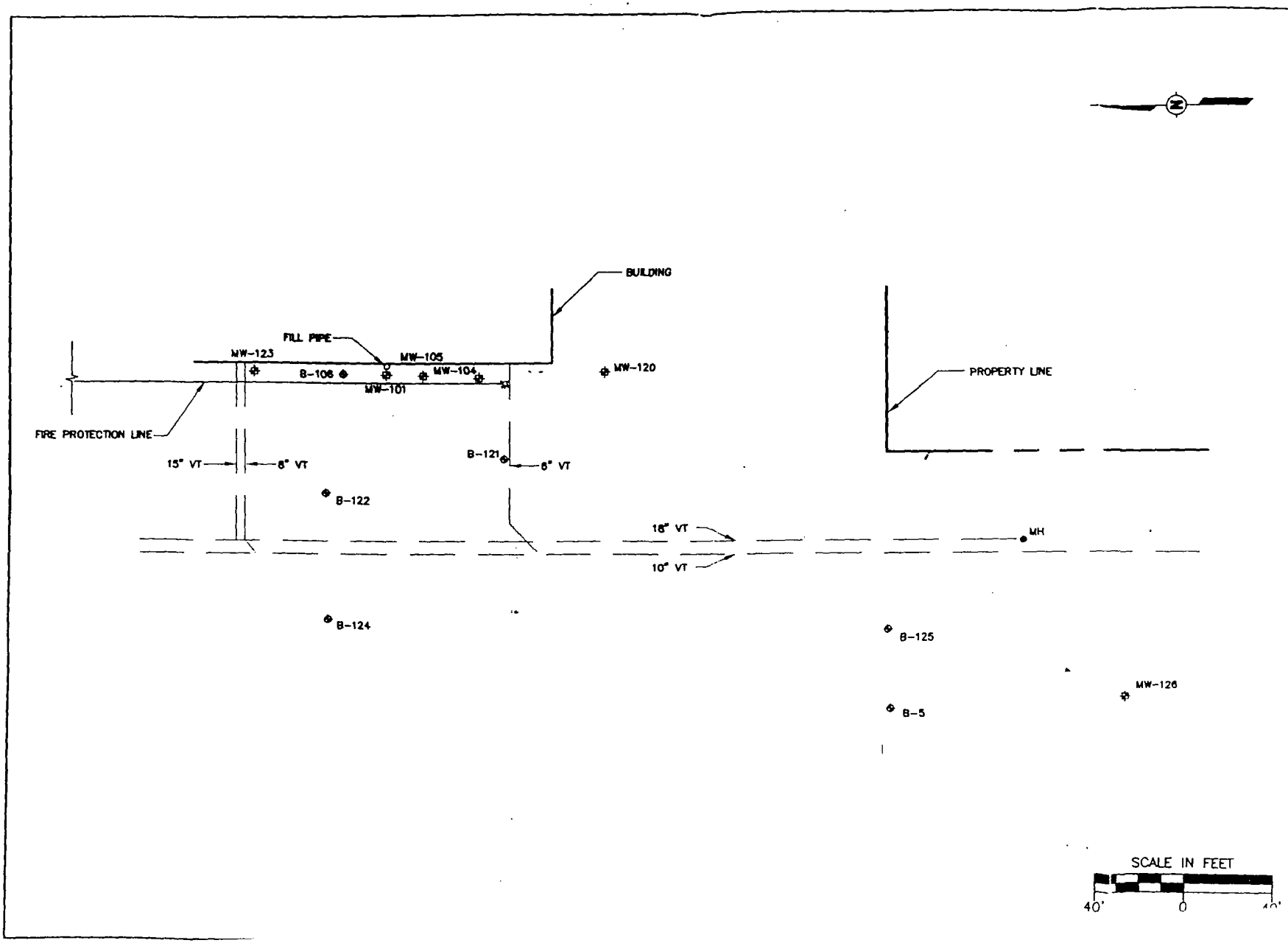
Richard G. Berggreen
Principal Geologist

cc: Daniel Biederman, Hinshaw & Culbertson

STN95:AF1:nls

STS Consultants Ltd.
Consulting Engineers

1415 Lake Cook Road
Deerfield, Illinois 60015
708.272.6520/Fax 708.498.2721



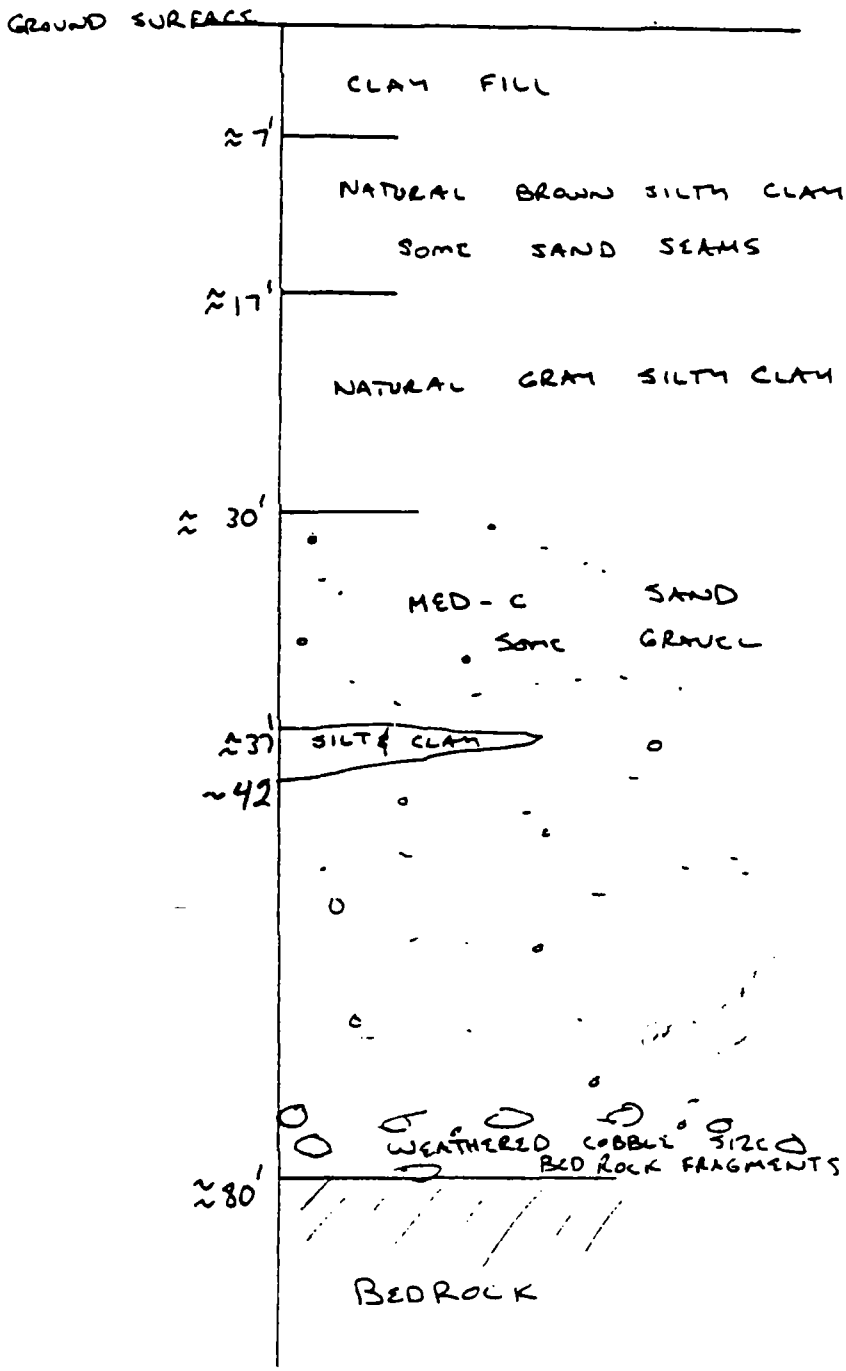
DRAWN BY KKB	DATE 5-15-95	
CHECKED BY	DATE	
APPROVED BY RGB	DATE 5-25-95	
CADFILE J:\CR095DWG\26249\26249xh\26249xh3.DWG 1:40		

EXPANDED LOCATION PLAN
LOCKFORMER REMEDIAL INVESTIGATION
711 OGDEN AVENUE
LISLE, ILLINOIS

STS Consultants Ltd.
Consulting Engineers

STS PROJECT NO
26249-XH
STS PROJECT FILE
26249XH3
SCALE
1"=40'

TYPICAL CROSS SECTION



FIELD ANALYTICAL RESULTS

TRACE Analytical Laboratories, Inc.
Environmental Services

Mobile Analytical Services

Field Screening Results by Purge and Trap Analysis
Using EPA Methods 5030 and 8020

STS Consultants Ltd.
1415 Lake Cook Rd.
Deerfield, Illinois 60015

Trace ID: L081
Client ID: 26249-XA
Site: Lockformer Co.
Report Date: 5/8/95

Tr	Date Analyzed	Sample ID	Depth	Sample Type	1,1-DCE	trans 1,2-DCE	cis 1,2-DCE	TCE	PCE
	5/3/95	121-7 (Bot)	7.5-19.5	S	ND	ND	ND	2.4	ND
	5/2/95	121-13 (Top)	45-47'	S	1.6	ND	ND	25	ND
3	5/2/95	121-14 (Bot)	50-52'	S	1.9	ND	ND	2.2	ND
	5/2/95	121-15 (Bot)	55-57'	S	2.0	ND	ND	2.4	ND
	5/2/95	122-1 (Bot)	2.5-4.5'	S	12	ND	2.9	ND	ND
6	5/2/95	122-4 (MidTop)	10-12'	S	1.7	ND	91	4.0	ND
	5/2/95	122-4 (Bot)	10-12'	S	1.3	1.2	8.8	2.4	ND
8	5/3/95	122-6 (Bot)	15-17'	S	2.2	ND	ND	1.9	1.0
	5/3/95	122-7 (Bot)	20-22'	S	2.0	ND	ND	1.8	ND
0	5/2/95	122-8 (Bot)	25-27'	S	1.3	ND	ND	ND	ND
11	5/2/95	122-9 (Bot)	30-32'	S	1.0	ND	ND	4000	5.2
2	5/2/95	122-10 (Bot)	32.5'	S	1.0	ND	ND	6500	10
1	5/2/95	123-1 (Bot)	5-7'	S	16	ND	20	ND	ND
4	5/2/95	123-2 (Bot)	7.5-9.5'	S	1.8	ND	ND	ND	ND
5	5/2/95	123-2 (Top)	15-17'	S	1.9	ND	ND	ND	ND
16	5/3/95	124-3 (Bot)	5-7'	S	1.4	ND	ND	1.9	ND
7	5/3/95	124-4 (Mid)	7.5-9.5'	S	ND	ND	6.1	10	ND
18	5/3/95	124-5 (Bot)	10-12'	S	ND	ND	ND	14	ND
9	5/3/95	124-6 (Bot)	2.5-14.5	S	ND	ND	ND	1.5	ND

mber of Samples Analyzed: 19
Total Number of Water Samples: 0
tal Number of Soil Samples: 19

ND = None Detected at or above the Method Detection Level:
MDL's Soil = 5 ppb for field screening purposes.
MDL's Water = 1 ppb

Jon Mink
Project Manager

TRACE Analytical Laboratories, Inc
Environmental Services

Mobile Analytical Services

Field Screening Results by Purge and Trap Analysis
Using EPA Methods 5030 and 8020

STS Consultants Ltd.
1415 Lake Cook Rd.
Deerfield, Illinois 60015

Trace ID: L081
Client ID: 26249-XA
Site: Lockformer Co.
Report Date: 5/8/95

Date Analyzed	Sample ID	Depth	Sample Type	1,1-DCE	trans 1,2-DCE	cis 1,2-DCE	TCE	PCE
5/4/95	125-5 (Bot)	10-12'	S	ND	ND	8.4	110	ND
5/3/95	125-7 (Bot)	15-17'	S	1.7	ND	3.7	52	ND
5/3/95	125-8 (Mid)	7.5-19.5	S	2.8	ND	6.5	100	1.2
5/3/95	125-9 (Bot)	20-22'	S	1.6	ND	4.8	59	ND
5/3/95	125-10 (Bot)	25-27'	S	2.5	ND	7.6	58	1.0
5/4/95	126-1 (Bot)	2.5-14.5	S	1.6	ND	ND	ND	ND
5/4/95	126-3 (Top)	7.5-19.5	S	ND	ND	ND	28	ND
5/4/95	126-4 (Bot)	20-22'	S	ND	ND	ND	11	ND
5/4/95	126-5 (Bot)	25-27'	S	ND	ND	ND	13	ND
5/4/95	126-6 (Bot)	35-37'	S	ND	ND	ND	5.8	ND
5/4/95	126-9 (Bot)	50-52'	S	1.0	ND	ND	5.8	1.1
5/5/95	126-10 (Bot)	65-67'	S	ND	ND	ND	ND	ND
5/5/95	126-11 (Bot)	70-72'	S	ND	ND	ND	ND	1.4
5/5/95	126-12 (Top)	75-77'	S	ND	ND	ND	ND	1.7
5/3/95	Catch Basin	W/N	W	ND	ND	8.0	23	ND
5/5/95	Blank		W	1.0	ND	ND	ND	ND

mber of Samples Analyzed: 16
Total Number of Water Samples: 2
tal Number of Soil Samples: 14

ND = None Detected at or above the Method Detection Level:
MDL's Soil = 5 ppb for field screening purposes.
MDL's Water = 1 ppb

Jon Mink
Project Manager

ENVIROSCAN

ANALYTICAL RESULTS FIELD SHEET

SITE: Lisle, Il Lockformer DATE: 4-24-95 - 4-26-95 CLIENT: SIS

Sample	HNU	Run	11 DCE	t12 DCE	11 DCA	c12 DCE	111 TCA	Benz	12 DCA	TCE	Tol	112 TCA	Perc	CB	PB	m-Xyl	o-Xyl	1122 TCA	135 TMB	124 TMB	13 DCB	14 DCB	12 DCB
Detection Limits:		p1	0.2	0.2	-	0.1	-	0.2	-	0.2	0.2	-	0.5	0.4	0.4	0.4	0.5	-			1.2	1.2	1.2
		f1	2.0	2.0	2.4	1.5	3.0	1.0	3.0	2.5	1.0	3.0	3.6	2.0	1.2	1.8	1.5	-			2.3	2.3	1.6
		p10	1.3	1.4	-	0.9	-	1.5	-	1.9	1.7	-	2.8	2.7	2.0	2.1	2.0				2.7	2.5	2.1
19.3ppb Std Concentrations:			4.7	19.0	16.2	16.8	16.1	19.3	–	22.3	18.7	22.0	22.3	20.9	18.6	18.1	18.5	16.5	17.8	17.0	20.1	18.6	22.1
B105 25-27	0		–	–		–		–		52.4	–		–	–	–	–	–		—	—	–	–	–
MW01 20-24.5	<1		–	–		–		–		23.1	–		–	–	–	–	–		—	—	–	–	–
B106 22.5-24.5	2.0		19.6	–		–		–		228	–		–	–	–	–	–		—	—	–	–	–
B106 30-32	0.5		1.82	–		–		–		156	–		–	–	–	–	–		—	—	–	–	–
B104 24.5-27	0		–	–		–		–		–	–		–	–	–	–	–		—	—	–	–	–
B104 14.5-17	0.5		–	–		11.0		–		–	–		–	–	–	–	–		—	—	–	–	–
B104 14-14.5	4.0		–	11.1		440+		–		<	–		–	–	–	–	–		—	—	–	–	–
B104 30-32.5	1.0		–	–		3.1		–		302	–		–	–	–	–	–		—	—	–	–	–
B104 35-37.5	2.0		–	–		–		–		1024	–		–	–	–	–	–		—	—	–	–	–
B104 44-46	4.0		–	–		–		–		1780	–		–	–	–	–	–		—	—	–	–	–
B104 42-44.5	7.0		–	–		–		–		1900	–		–	–	–	–	–		—	—	–	–	–
B104 44-44.5	3.5		–	–		–		–		1580	–		–	–	–	–	–		—	—	–	–	–

LABORATORY

ANALYTICAL RESULTS

TABLE I

LOCKFORMER
LABORATORY VOC ANALYSIS

Sample	Depth	Soil Type	Trichloroethene	1,2-Dichloroethene	Acetone	Xylene
MW-101, S-9	20′ - 21.5′	Gray silty clay	93	16	BQL	BQL
MW-104, S-15	42′ - 44′	Gravelly sand	1,000	BQL	BQL	BQL
MW-105, S-7	15′ - 17′	Brown silty clay	960,000	BQL	BQL	BQL
MW-105, S-14	35′ - 37′	Gravelly sand	9,200	BQL	BQL	BQL
B-120, S-14	47′ - 49′	Gray silty clay	BQL	BQL	BQL	BQL
B-122, S-9	30′ - 32′	Gray silty clay	BQL	BQL	30	40
B-122, S-10	32.5′ - 34.5′	Gravelly sand	910	BQL	BQL	BQL
B-126, S-12	75′- 77′	Weathered bedrock	BQL	BQL	BQL	BQL

- Concentrations in Micrograms per Kilograms (µg/kg)
- BQL = Below Quanitation Limit

Post Office Box 12846
Research Triangle Park, NC 27709

Phone 919·677·0090
Fax 919·677·0427

IEA
An Aquarion Company

May 8, 1995

Steve Newlin,
STS Consultants
1415 Lake Cook Rd.
Deerfield, IL 60015

IEA Project No.: 2073001(0)/954624
IEA Reference No.: W9504505
Client Project I.D.: 26264-XA

Dear Mr. Newlin,

Transmitted herewith are the results of analyses on one sample submitted to our laboratory.

The sample(s) were received intact.

Analyses were performed according to approved methodologies and meet the requirements of the IEA Quality Assurance Program except where noted. Please see the enclosed reports for your results and a copy of the Chain of Custody documentation.

Thank you for selecting IEA for your sample analysis. Please do not hesitate to call your project manager representative at 1-919-677-0090 or 1-800-444-9919 should you have any questions regarding this report. We look forward to serving you in the future.

Very truly yours,

IEA, Inc.

William R. Drago
Laboratory Director

Monroe, Connecticut 203·261·4458
Sunrise, Florida 305·846·1730
Schaumburg, Illinois 708·705·0740
N. Billerica, Massachusetts 508·667·1400
Whippany, New Jersey 201·428·8181

IEA
An Aquarion Company

IEA-NORTH CAROLINA CERTIFICATIONS

[illegible]	[illegible]	[illegible]
Alabama	DW	40210
California	DW, WW, HW Radiolog.	1-1035,1768 1-1018 (Rad)
Connecticut	DW, WW	PH-0135
Florida	DW WW (CompQAP)	87350 E87439 QAP9930007G
Georgia	DW	None
Kansas	DW, HW, WW	E-158 (DW, WW) E-1189 (HW)
Kentucky	DW	90049
Massachusetts	DW, WW	M-NC039
New Jersey	DW, WW Radiolog.	67719 67681
New York	Radiolog.	11422
North Carolina	DW WW Radiolog.	DW 37720 WW 84 Rad 37720
South Carolina	DW WW HW	99021
Tennessee	DW UST App List	02914
Utah	Radiolog. RCRA	E-206 E-226
Virginia	DW	00179
West Virginia	DW	9908C
Wisconsin	WW	998051010

DW=Drinking Water WW=Wastewater HW=Hazardous Waste Radiolog.=Radiological

[illegible]

Industrial & Environmental Analysts, Inc. (IEA)
TCLP REGULATED
BASE/NEUTRAL/ACID EXTRACTABLES SW-846 METHOD 8270

IEA Project Number:	2073-001(0)		
IEA Sample Number:	9504624	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project I.D.:	26264-XA	Date Extracted:	05/01/95
Sample Identification:	QC Blank (SVB831)	Date Analyzed:	05/02/95
Matrix:	Water	Analysis By:	Burrows
TCLP Extraction Date:	N/A	Dilution Factor:	1.0

Number	Compound	EPA Regulatory Level (mg/L)	Quantitation Limit (mg/L)	Results Concentration (mg/L)
1	1,4-Dichlorobenzene	7.5	0.020	BQL
2	2,4-Dinitrotoluene	0.13	0.020	BQL
3	Hexachlorobutadiene	0.5	0.020	BQL
4	Hexachloroethane	3.0	0.020	BQL
5	Total Cresol	200	0.020	BQL
6	Nitrobenzene	2.0	0.020	BQL
7	Pentachlorophenol	100	0.10	BQL
8	Pyridine	5.0	0.020	BQL
9	2,4,5-Trichlorophenol	400	0.020	BQL
10	2,4,6-Trichlorophenol	2.0	0.020	BQL
11	Hexachlorobenzene	0.13	0.020	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9504624-01, -01SPK, TCLP267
Filename: 0502D02

FORM EPA 8270R Rev. 040892

Industrial & Environmental Analysts, Inc. (IEA)
TCLP REGULATED
BASE/NEUTRAL/ACID EXTRACTABLES SW-846 METHOD 8270

IEA Project Number:	2073-001(0)		
IEA Sample Number:	9504624	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project I.D.:	26264-XA	Date Extracted:	05/01/95
Sample Identification:	Method Blank (TCLP267)	Date Analyzed:	05/03/95
Matrix:	Leachate	Analysis By:	Burrows
TCLP Extraction Date:	04/28/95	Dilution Factor:	1.0

Number	Compound	EPA Regulatory Level (mg/L)	Quantitation Limit (mg/L)	Results Concentration (mg/L)
1	1,4-Dichlorobenzene	7.5	0.020	BQL
2	2,4-Dinitrotoluene	0.13	0.020	BQL
3	Hexachlorobutadiene	0.5	0.020	BQL
4	Hexachloroethane	3.0	0.020	BQL
5	Total Cresol	200	0.020	BQL
6	Nitrobenzene	2.0	0.020	BQL
7	Pentachlorophenol	100	0.10	BQL
8	Pyridine	5.0	0.020	BQL
9	2,4,5-Trichlorophenol	400	0.020	BQL
10	2,4,6-Trichlorophenol	2.0	0.020	BQL
11	Hexachlorobenzene	0.13	0.020	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Sample: 9504624-01
Filename: 0502D09

FORM EPA 8270R Rev. 040892

Industrial & Environmental Analysts, Inc. (IEA)
TCLP REGULATED
BASE/NEUTRAL/ACID EXTRACTABLES SW-846 METHOD 8270

IEA Project Number:	2073-001(0)		
IEA Sample Number:	9504624-01	Date Received:	04/27/95
Client Name:	STS	Date Sampled:	04/24/95
Client Project I.D.:	26264-XA	Date Extracted:	05/01/95
Sample Identification:	B-106,S-2	Date Analyzed:	05/03/95
Matrix:	Leachate	Analysis By:	Burrows
TCLP Extraction Date:	04/28/95	Dilution Factor:	1.0

Number	Compound	EPA Regulatory Level (mg/L)	Quantitation Limit (mg/L)	Results Concentration (mg/L)
1	1,4-Dichlorobenzene	7.5	0.020	BQL
2	2,4-Dinitrotoluene	0.13	0.020	BQL
3	Hexachlorobutadiene	0.5	0.020	BQL
4	Hexachloroethane	3.0	0.020	BQL
5	Total Cresol	200	0.020	BQL
6	Nitrobenzene	2.0	0.020	BQL
7	Pentachlorophenol	100	0.10	BQL
8	Pyridine	5.0	0.020	BQL
9	2,4,5-Trichlorophenol	400	0.020	BQL
10	2,4,6-Trichlorophenol	2.0	0.020	BQL
11	Hexachlorobenzene	0.13	0.020	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor.
BQL = Below Quantitation Limit

FORM EPA 8270R Rev. 040892

Industrial & Environmental Analysts, Inc. (IEA)
TCLP SEMIVOLATILE MATRIX SPIKE

IEA Project No.: 2073-001(0)
IEA Sample ID: 9504624-01
Date Extracted: 05/01/95
Date Analyzed: 05/03/95

COMPOUND	QUANTITATION LIMIT (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS % REC #
1,4-Dichlorobenzene	0.020	BQL	71
2,4-Dinitrotoluene	0.020	BQL	77
Hexachlorobutadiene	0.020	BQL	85
Hexachloroethane	0.020	BQL	86
Total Cresol	0.020	BQL	4
Nitrobenzene	0.020	BQL	84
Pentachlorophenol	0.10	BQL	53
Pyridine	0.020	BQL	28
2,4,5-Trichlorophenol	0.020	BQL	15
2,4,6-Trichlorophenol	0.020	BQL	26
Hexachlorobenzene	0.020	BQL	83

Comments:
BQL = Below Quantitation Limit

FORM TWASEMMA Rev. 041291

STS CHAIN OF CUSTODY RECORD

№ 17269 RECORD NO. _____ THROUGH _____

Contact Person: STEVE NEWLIN
Phone No.: (708) 272-6520
Project No.: 26264-XA PO No.: _____
STS Office: DEERFIELD

SPECIAL HANDLING REQUEST
☐ RUSH
☐ VERBAL
☐ OTHER

Laboratory: IEA
Contact Person: MIKE MC FADDEN
Phone No.: (919) 677-0090
Results Due: 1 WEEK

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data: PID/FID Ambient	Field Data: PID/FID Sample	Field Data: PH	Field Data: Spec. Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
MW-101, S-9	4/21/95	2:00	X		2	SOIL							VOCs (8240)	
* MW-105, S-7	4/24/95	11:00	X		2	SOIL								
MW-105, S-14	4/25/95	1:00	X		2	SOIL								
MW-104, S-	4/26/	2:00	X		2	SOIL								
B-106, S-2	4/24/95		X		2	SOIL							WASTE CHARACTER: PH, CORROSIVITY, REACTIVITY TCLP-SW 846/1311 (8240)(8270)(6010)(7000)	

Collected by: Scott Meddows	Date 4/24-25-26/95	Time AM/PM	Delivery by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: S. Pascal	Date 4/27/95	Time 0900	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt ☐ Yes ☐ No ~~☐ N/A~~ 2°C 1234-669K 1234-669

Final disposition:

Comments (Weather Conditions, Precautions, Hazards):
* SAMPLES ARE HOT!

Please [illegible]

Post Office Box 12846
Research Triangle Park, NC 27709

Phone 919·677·0090
Fax 919·677·0427

IEA
An Aquarion Company

May 8, 1995

Steve Martin
STS Consultants
1415 Lake Cook Rd.
Deerfield, IL 60015

IEA Project No.: 2073001/9504621
IEA Reference No.: W9504505
Client Project I.D.: 26264-XA

Dear Mr. Martin,

Transmitted herewith are the results of analyses on five samples submitted to our laboratory.

The sample(s) were received intact.

Analyses were performed according to approved methodologies and meet the requirements of the IEA Quality Assurance Program except where noted. Please see the enclosed reports for your results and a copy of the Chain of Custody documentation.

Thank you for selecting IEA for your sample analysis. Please do not hesitate to call your project manager representative at 1-919-677-0090 or 1-800-444-9919 should you have any questions regarding this report. We look forward to serving you in the future.

Very truly yours,

IEA, Inc.

for

William R. Drago
Laboratory Director

Monroe, Connecticut 203·261·4458
Sunrise, Florida 305·846·1730
Schaumburg, Illinois 708·705·0740
N. Billerica, Massachusetts 508·667·1400
Whippany, New Jersey 201·428·8181

IEA
An Aquanon Company

IEA-NORTH CAROLINA CERTIFICATIONS

[illegible]	[illegible]	[illegible]
Alabama	DW	40210
California	DW, WW, HW Radiolog.	1-1085,1768 1-1018 (Rad)
Connecticut	DW, WW	PH-0135
Florida	DW WW (CompQAP)	87350 E87439 QAP9930007G
Georgia	DW	None
Kansas	DW, HW, WW	E-158 (DW, WW) E-1189 (HW)
Kentucky	DW	90049
Massachusetts	DW, WW	M-NC039
New Jersey	DW, WW Radiolog.	67719 67681
New York	Radiolog.	11422
North Carolina	DW WW Radiolog.	DW 37720 WW 84 Rad 37720
South Carolina	DW WW HW	99021
Tennessee	DW UST App List	02914
Utah	Radiolog. RCRA	E-206 E-226
Virginia	DW	00179
West Virginia	DW	9908C
Wisconsin	WW	998051010

DW=Drinking Water WW=Wastewater HW=Hazardous Waste Radiolog.=Radiological

[illegible]

Industrial & Environmental Analysts, Inc. (IEA)

TCLP METALS REGULATED

Project #:	2073-001	Matrix:	Leachate
mple #:	9504621-05	Date Received:	04/27/95
Name:	STS	Date Sampled:	04/24/95
nt Proj. I.D.:	26264-XA	TCLP Extraction:	04/28/95
le I.D.:	B-106,S-2		

ter	Method	Regulatory Level (mg/L)	Quantitation Limits (mg/L)	Results (mg/L)	Date Prepared	Date Analyzed	Analyst
ury	SW-846 7470	0.2	0.02	BQL	05/02/95	05/03/95	JS
n	SW-846 6010	1.0	0.10	BQL	05/02/95	05/04/95	FW
	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
c	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
um	SW-846 6010	100	10	BQL	05/02/95	05/04/95	FW
m	SW-846 6010	1.0	0.10	BQL	05/02/95	05/04/95	FW
um	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW

ents:

Industrial & Environmental Analysts, Inc. (IEA)

: Project #: 2073-001
:A Sample #: 9504621-05
.ient Name: STS
. int Proj. I.D.: 26264-XA
ample I.D.: B-106,S-2

Matrix: Soil
Date Received: 04/27/95
Date Sampled: 04/24/95

arameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
; .tability	46 FR 25193	N/A	Non-Flammable	N/A	04/28/95	DL
;	SW-846 9045	0.1	7.4	N/A	04/28/95*	PC
-cyanide	SW-846 CHAP 8.3	0.25 mg/kg	BQL	04/28/95	05/02/95	SJ
- ;	SW-846 CHAP 8.3	0.1	7.4	N/A	04/28/95	PC
-ulfide	SW-846 CHAP 8.3	25 mg/kg	BQL	04/28/95	05/02/95	PC

..ments:

alysis date exceeded the protocol holding time specified by the method.
nple was received out of protocol.

)RM RESP3 Rev. 030994

Industrial & Environmental Analysts, Inc. (IEA)

TCLP METALS REGULATED

Project #:	2073-001	Matrix:	Leachate
ample #:	9504621	Date Received:	N/A
t Name:	STS	Date Sampled:	N/A
ent Proj. I.D.:	26264-XA	TCLP Extraction:	04/28/95
e I.D.:	TCLP Blank #267		

eter	Method	Regulatory Level (mg/L)	Quantitation Limits (mg/L)	Results (mg/L)	Date Prepared	Date Analyzed	Analyst
cury	SW-846 7470	0.2	0.02	BQL	05/02/95	05/03/95	JS
m	SW-846 6010	1.0	0.10	BQL	05/02/95	05/04/95	FW
	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
enic	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
um	SW-846 6010	100	10	BQL	05/02/95	05/04/95	FW
ium	SW-846 6010	1.0	0.10	BQL	05/02/95	05/04/95	FW
nium	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
d	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW

nments:

responding Sample: 9504621-05

M TCLPFEDR Rev. 030994

Industrial & Environmental Analysts, Inc. (IEA)

TCLP METALS REGULATED

Project #:	2073-001	Matrix:	Water
ample #:	9504621	Date Received:	N/A
t Name:	STS	Date Sampled:	N/A
ent Proj. I.D.:	26264-XA	TCLP Extraction:	N/A
-'e I.D.:	QC Blank		

ıeter	Method	Regulatory Level (mg/L)	Quantitation Limits (mg/L)	Results (mg/L)	Date Prepared	Date Analyzed	Analyst
·cury	SW-846 7470	0.2	0.02	BQL	05/02/95	05/03/95	JS
.en·ium	SW-846 6010	1.0	0.10	BQL	05/02/95	05/04/95	FW
[illegible]	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
..nic	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
:ium	SW-846 6010	100	10	BQL	05/02/95	05/04/95	FW
. ium	SW-846 6010	1.0	0.10	BQL	05/02/95	05/04/95	FW
: nium	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW
ıd	SW-846 6010	5.0	0.50	BQL	05/02/95	05/04/95	FW

ıments:

:esponding Sample: 9504621-05 and TCLP Blank #267

M TCLPFEDR Rev. 030994

Industrial & Environmental Analysts, Inc. (IEA)

MATRIX SPIKE RECOVERY

\ Project No:	2073-001	Matrix:	Soil
\ Sample No.:	9504621-05	Date Received:	04/27/95
i nt Name:	STS	Date Sampled:	04/24/95
i nt Proj. I.D.:	26264-XA	TCLP Extraction:	04/28/95
nple I.D.:	B-106,S-2		

: meter	Method	Quantitation Limit (mg/L)	Sample Result (mg/L)	% Recovery	Date Prepared	Analysis Date	Analyst
rcury	SW-846 7470	0.02	BQL	96	05/02/95	05/03/95	JS
nium	SW-846 6010	0.10	BQL	85	05/02/95	05/04/95	FW
er	SW-846 6010	0.50	BQL	70	05/02/95	05/04/95	FW
senic	SW-846 6010	0.50	BQL	82	05/02/95	05/04/95	FW
m	SW-846 6010	10	BQL	80	05/02/95	05/04/95	FW
ium	SW-846 6010	0.10	BQL	79	05/02/95	05/04/95	FW
romium	SW-846 6010	0.50	BQL	79	05/02/95	05/04/95	FW
ead	SW-846 6010	0.50	BQL	80	05/02/95	05/04/95	FW

Industrial & Environmental Analysts, Inc. (IEA)

Project #: 2073-001
Sample #: 9504621 Matrix: Solid
ient Name: STS Date Received: N/A
nt Proj. I.D.: 26264-XA Date Sampled: N/A
le I.D.: QC Blank

rameter	Method	Quantitation Limits	Results	Date Prepared	Date Analyzed	Analyst
anide	SW-846 CHAP 8.3	0.25 mg/kg	BQL	04/28/95	05/02/95	SJ
sulfide	SW-846 CHAP 8.3	25 mg/kg	BQL	04/28/95	05/02/95	PC

ents:

esponding Sample: 9504621-05

RM RESP3 Rev. 030994

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621-01	Date Received:	04/27/95
Client Name:	STS	Date Sampled:	04/21/95
Client Project ID:	26264-XA	Date Analyzed:	05/01/95
Sample Identification:	MW-101,S-9	Analysis By:	Ware
Matrix:	Soil	Dilution Factor:	1.0
Moisture Correction Factor:	1.21		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	16
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	93
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Target compounds have been adjusted for percent moisture.

ABBREVIATIONS

A	=	Amenable
Alk	=	Alkalinity as CaCO3
Bcrb	=	Alkalinity as Bicarbonate
BOD	=	Biochemical Oxygen Demand
BQL	=	Below Quantitation Limit
c/100mL	=	Colonies per 100 mL of Sample
CEC	=	Cation Exchange Capacity
Chrom	=	Chromotropic
COD	=	Chemical Oxygen Demand
Crb	=	Alkalinity as Carbonate
D	=	Dissolved
DO	=	Dissolved Oxygen
DOC	=	Dissolved Organic Carbon
D/T	=	Distillation/Titration
E	=	Extractable (Prepped by Std M 3030C)
F	=	Free
Hex	=	Hexavalent
Hyd	=	Hydroxide
ISE	=	Ion Selective Electrode
mmpy	=	Millimeter per Year
MPN	=	Most Probable Number
N/A	=	Not Applicable
R	=	Reactivity
SA	=	Spike Added
SSR	=	Spike Sample Results
SR	=	Sample Results
Sp Cond	=	Specific Conductance
SM	=	Settleable Matter
SPC	=	Standard Plate Count
T	=	Total
TDS	=	Total Dissolved Solids
TKN	=	Total Kjeldahl Nitrogen
TMLSS	=	Total Mixed Liquor Suspended Solids
TOC	=	Total Organic Carbon
TON	=	Total Organic Nitrogen
TOX	=	Total Organic Halogens
TS	=	Total Solids
TSS	=	Total Suspended Solids
TVS	=	Total Volatile Solids
VSS	=	Volatile Suspended Solids
WAD	=	Weak and Dissociable

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621-01	Date Received:	04/27/95
Client Name:	STS	Date Sampled:	04/21/95
Client Project ID:	26264-XA	Date Analyzed:	05/01/95
Sample Identification:	MW-101,S-9	Analysis By:	Ware
Matrix:	Soil	Dilution Factor:	1.0
Moisture Correction Factor:	1.21		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	16
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	93
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Target compounds have been adjusted for percent moisture.

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621-02	Date Received:	04/27/95
Client Name:	STS	Date Sampled:	04/24/95
Client Project ID:	26264-XA	Date Analyzed:	05/03/95
Sample Identification:	MW-105,S-7	Analysis By:	Crewes
Matrix:	Soil	Dilution Factor:	5000
Moisture Correction Factor:	1.20		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	960000
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Target compounds have been adjusted for percent moisture.
Quantitation limit elevated due to sample dilution prior to analysis.
Sample diluted due to high concentration of target compounds present.

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621-03	Date Received:	04/27/95
Client Name:	STS	Date Sampled:	04/25/95
Client Project ID:	26264-XA	Date Analyzed:	05/03/95
Sample Identification:	MW-105,S-14	Analysis By:	Crewes
Matrix:	Soil	Dilution Factor:	125
Moisture Correction Factor:	1.10		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	9200
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Target compounds have been adjusted for percent moisture.
Quantitation limit elevated due to sample dilution prior to analysis.
Sample diluted due to high concentration of target compounds present.

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621-04	Date Received:	04/27/95
Client Name:	STS	Date Sampled:	04/26/95
Client Project ID:	26264-XA	Date Analyzed:	05/03/95
Sample Identification:	MW-104,S-15	Analysis By:	Crewes
Matrix:	Soil	Dilution Factor:	125
Moisture Correction Factor:	1.10		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	1100
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Target compounds have been adjusted for percent moisture.
Quantitation limit elevated due to sample dilution prior to analysis.
Sample diluted due to high concentration of target compounds present.

Industrial & Environmental Analysts, Inc. (IEA)
TCLP/ZHE REGULATED GC/MS PURGEABLES
SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621-05	Date Received:	04/27/95
Client Name:	STS	Date Sampled:	04/24/95
Client Project I.D.:	26264-XA	Date Analyzed:	05/04/95
Sample Identification:	B-106,S-2	Analysis By:	Moore
Matrix:	Leachate	Dilution Factor:	1.0
TCLP Extraction Date:	05/01/95		

Number	Compound	N.C. Regulatory Level (mg/L)	Quantitation Limit (mg/L)	Results Concentration (mg/L)
1	Benzene	0.05	0.010	BQL
2	2-Butanone	20	0.020	BQL
3	Carbon tetrachloride	0.05	0.010	BQL
4	Chlorobenzene	10	0.010	BQL
5	Chloroform	0.60	0.010	BQL
6	1,2-Dichloroethane	0.05	0.010	BQL
7	1,1-Dichloroethene	0.07	0.010	BQL
8	Tetrachloroethene	0.07	0.010	BQL
9	Trichloroethene	0.05	0.010	0.032
10	Vinyl chloride	0.02	0.020	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor.
BQL = Below Quantitation Limit

FORM NC-T824R Rev. 041895

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project ID:	26264-XA	Date Analyzed:	05/01/95
Sample Identification:	QC BLANK (VBLK93)	Analysis By:	Ware
Matrix:	Solid	Dilution Factor:	1.0
Moisture Correction Factor:	N/A		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	6
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9504621-01
Filename: 0501I08

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project ID:	26264-XA	Date Analyzed:	05/03/95
Sample Identification:	QC BLANK (VBLKJL)	Analysis By:	Crewes
Matrix:	Solid	Dilution Factor:	125 *
Moisture Correction Factor:	N/A		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9504621-02,04
Filename: 0503J02 * = Analyzed as a medium level soil blank.

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project ID:	26264-XA	Date Analyzed:	05/03/95
Sample Identification:	QC BLANK (VBLKJJ)	Analysis By:	Moore
Matrix:	Solid	Dilution Factor:	125 *
Moisture Correction Factor:	N/A		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9504621-03
Filename: 0503102 * = Analyzed as a medium level soil blank.

Industrial & Environmental Analysts, Inc. (IEA)
TCLP/ZHE REGULATED GC/MS PURGEABLES
SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project I.D.:	26264-XA	Date Analyzed:	05/04/95
Sample Identification:	QC BLANK (VBLKJM)	Analysis By:	Moore
Matrix:	Leachate	Dilution Factor:	1.0
TCLP Extraction Date:	N/A		

Number	Compound	N.C. Regulatory Level (mg/L)	Quantitation Limit (mg/L)	Results Concentration (mg/L)
1	Benzene	0.05	0.010	BQL
2	2-Butanone	20	0.020	BQL
3	Carbon tetrachloride	0.05	0.010	BQL
4	Chlorobenzene	10	0.010	BQL
5	Chloroform	0.60	0.010	BQL
6	1,2-Dichloroethane	0.05	0.010	BQL
7	1,1-Dichloroethene	0.07	0.010	BQL
8	Tetrachloroethene	0.07	0.010	BQL
9	Trichloroethene	0.05	0.010	BQL
10	Vinyl chloride	0.02	0.020	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9504621-05,05SPK,ZHE BLK#601
Filename: 0504102

FORM NC-T824R Rev. 041895

Industrial & Environmental Analysts, Inc. (IEA)
TCLP/ZHE REGULATED GC/MS PURGEABLES
SW-846 METHOD 8240

IEA Project Number:	2073-001		
IEA Sample Number:	9504621	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project I.D.:	26264-XA	Date Analyzed:	05/04/95
Sample Identification:	ZHE BLK#601	Analysis By:	Crewes
Matrix:	Leachate	Dilution Factor:	1.0
TCLP Extraction Date:	05/01/95		

Number	Compound	N.C. Regulatory Level (mg/L)	Quantitation Limit (mg/L)	Results Concentration (mg/L)
1	Benzene	0.05	0.010	BQL
2	2-Butanone	20	0.020	BQL
3	Carbon tetrachloride	0.05	0.010	BQL
4	Chlorobenzene	10	0.010	BQL
5	Chloroform	0.60	0.010	BQL
6	1,2-Dichloroethane	0.05	0.010	BQL
7	1,1-Dichloroethene	0.07	0.010	BQL
8	Tetrachloroethene	0.07	0.010	BQL
9	Trichloroethene	0.05	0.010	BQL
10	Vinyl chloride	0.02	0.020	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9504621-05,05SPK
Filename: 0504110

FORM NC-T824R Rev. 041895

Industrial & Environmental Analysts, Inc. (IEA)
TCLP VOLATILE MATRIX SPIKE

IEA Project No.: 2073-001
IEA Sample ID: 9504621-05SPK
Sample Identification: B-106,S-2
Analysis Date: 05/04/95

COMPOUND	QUANTITATION LIMIT (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS % REC #
Benzene	0.010	BQL	99
2-Butanone	0.020	BQL	>100
Carbon tetrachloride	0.010	BQL	>100
Chlorobenzene	0.010	BQL	99
Chloroform	0.010	BQL	98
1,2-Dichloroethane	0.010	BQL	98
1,1-Dichloroethene	0.010	BQL	>100
Tetrachloroethene	0.010	BQL	80
Trichloroethene	0.010	BQL	>100
Vinyl chloride	0.020	BQL	99

Comments:

BQL = Below Quantitation Limit
Corresponding Samples: 9504621-05

FORM TWAVOLMA Rev. 051691

STS CHAIN OF CUSTODY RECORD

№ 17269 RECORD NO. _____ THROUGH _____

Contact Person: STEVE NEWLIN
Phone No.: (708) 272-6520
Project No.: 26264-XA PO No.: _____
STS Office: DEERFIELD

SPECIAL HANDLING REQUEST
☐ RUSH
☐ VERBAL
☐ OTHER

Laboratory: ILA
Contact Person: MIKE MCFADDEN
Phone No.: (919) 677-0090
Results Due: 1 WEEK

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Spec. Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
MW-101, S-9	4/21/95	2:00	X		2	SOIL							VOCs (8240)	
* MW-105, S-7	4/24/95	11:00	X		2	SOIL								
MW-105, S-14	4/25/95	1:00	X		2	SOIL								
MW-104, S-	4/26/	2:00	X		2	SOIL								
B-106, S-2	4/24/95		X		2	SOIL							WASTE CHARACTER: PH, CORROSIVITY, REACTIVITY TCLP- SW 846/1311 (8240)(8270)(6010)(7000)	

Collected by: Scott Mattson	Date 4/24&25&26/95	Time AM/PM	Delivery by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: S. Pascal	Date 4/27/95	Time 0900	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt ☐ Yes ☐ No ~~☐ N/A~~ 2°C 1234-669K 1234-669K

Final disposition:

Comments (Weather Conditions, Precautions, Hazards):
* SAMPLES ARE HOT!

PLEASE RETURN COOLER TO STS IN DEERFIELD, IL

D. ion: al ar) atory low - edec nk -) older STS I File

Post Office Box 12846
Research Triangle Park, NC 27709

Phone 919-677-0090
Fax 919-677-0427

IEA
An Aquarion Company

May 18, 1995

Steve Newlin
STS Consultants
1415 Lake Cook Rd.
Deerfield, IL 60015

IEA Project No.: 2073002/9505257
IEA Reference No.: W9505205
Client Project I.D.: 26249-XA

Dear Mr. Newlin,

Transmitted herewith are the results of analyses on four samples submitted to our laboratory.

The sample(s) were received intact.

Analyses were performed according to approved methodologies and meet the requirements of the IEA Quality Assurance Program except where noted. Please see the enclosed reports for your results and a copy of the Chain of Custody documentation.

Thank you for selecting IEA for your sample analysis. Please do not hesitate to call your project manager representative at 1-919-677-0090 or 1-800-444-9919 should you have any questions regarding this report. We look forward to serving you in the future.

Very truly yours,

IEA, Inc.

William R. Drago
Laboratory Director

Monroe, Connecticut 203 261 4458
Sunrise, Florida 305-846-1730
Schaumburg, Illinois 708-705 0740
N. Billerica, Massachusetts 508-667-1400
Whippany, New Jersey 201-428-8181

IEA
An Aquarion Company

IEA-NORTH CAROLINA CERTIFICATIONS

Alabama	DW	40210
California	DW, WW, HW Radiolog.	1-1085,1768 1-1018 (Rad)
Connecticut	DW, WW	PH-0135
Florida	DW WW (CompQAP)	87350 E87439 QAP#930007G
Georgia	DW	None
Kansas	DW, HW, WW	E-158 (DW, WW) E-1189 (HW)
Kentucky	DW	90049
Massachusetts	DW, WW	M-NC039
New Jersey	DW, WW Radiolog.	67719 67681
New York	Radiolog.	11422
North Carolina	DW WW Radiolog.	DW 37720 WW 84 Rad 37720
South Carolina	DW WW HW	99021
Tennessee	DW UST App List	02914
Utah	Radiolog. RCRA	E-206 E-226
Virginia	DW	00179
West Virginia	DW	9908C
Wisconsin	WW	998051010

DW = Drinking Water WW = Wastewater HW = Hazardous Waste Radiolog. = Radiological

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-002		
IEA Sample Number:	9505257-04	Date Received:	05/09/95
Client Name:	STS	Date Sampled:	04/28/95
Client Project ID:	26249-XA	Date Analyzed:	05/11/95
Sample Identification:	B120-14 (MIDTOP) 47/49 4/2	Analysis By:	Vanlare
Matrix:	Soil	Dilution Factor:	1.0
Moisture Correction Factor:	1.21		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-002		
IEA Sample Number:	9505257-03	Date Received:	05/09/95
Client Name:	STS	Date Sampled:	05/02/95
Client Project ID:	26249-XA	Date Analyzed:	05/13/95
Sample Identification:	B122-10 (MIDBOT) 32.5-34.5	Analysis By:	Vanlare
Matrix:	Soil	Dilution Factor:	5.0
Moisture Correction Factor:	1.08		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	910
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Target compounds have been adjusted for percent moisture.
Quantitation limit elevated due to sample dilution prior to analysis.
Sample diluted due to high concentration of target compounds present.

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-002		
IEA Sample Number:	9505257-02	Date Received:	05/09/95
Client Name:	STS	Date Sampled:	05/02/95
Client Project ID:	26249-XA	Date Analyzed:	05/13/95
Sample Identification:	B122-9 (MIDTOP) 30-32	Analysis By:	Vanlare
Matrix:	Soil	Dilution Factor:	1.0
Moisture Correction Factor:	1.22		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	30
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	40

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Target compounds have been adjusted for percent moisture.
Low internal standard and surrogate recoveries confirmed by reanalysis.

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-002		
IEA Sample Number:	9505257-01	Date Received:	05/09/95
Client Name:	STS	Date Sampled:	05/05/95
Client Project ID:	26249-XA	Date Analyzed:	05/13/95
Sample Identification:	B126-12 (BOT) 75-77	Analysis By:	Vanlare
Matrix:	Soil	Dilution Factor:	1.0
Moisture Correction Factor:	1.10		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
Low internal standard and surrogate recoveries confirmed by reanalysis.

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-002		
IEA Sample Number:	9505257	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project ID:	26249-XA	Date Analyzed:	05/13/95
Sample Identification:	QC BLANK (VBLK9J)	Analysis By:	Vanlare
Matrix:	Solid	Dilution Factor:	1.0
Moisture Correction Factor:	N/A		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9505257-01,02,03
Filename: 0513902

Industrial & Environmental Analysts, Inc. (IEA)
GC/MS PURGEABLES SW-846 METHOD 8240

IEA Project Number:	2073-002		
IEA Sample Number:	9505257	Date Received:	N/A
Client Name:	STS	Date Sampled:	N/A
Client Project ID:	26249-XA	Date Analyzed:	05/11/95
Sample Identification:	QC BLANK (VBLK9G)	Analysis By:	Vanlare
Matrix:	Solid	Dilution Factor:	1.0
Moisture Correction Factor:	N/A		

Number	Compound	Quantitation Limit (ug/kg)	Results Concentration (ug/kg)
1	Acetone	10	BQL
2	Benzene	5	BQL
3	Bromodichloromethane	5	BQL
4	Bromoform	5	BQL
5	Bromomethane	10	BQL
6	2-Butanone	10	BQL
7	Carbon disulfide	5	BQL
8	Carbon tetrachloride	5	BQL
9	Chlorobenzene	5	BQL
10	Dibromochloromethane	5	BQL
11	Chloroethane	10	BQL
12	2-Chloroethylvinyl ether	10	BQL
13	Chloroform	5	BQL
14	Chloromethane	10	BQL
15	1,1-Dichloroethane	5	BQL
16	1,2-Dichloroethane	5	BQL
17	1,1-Dichloroethene	5	BQL
18	1,2-Dichloroethene (total)	5	BQL
19	1,2-Dichloropropane	5	BQL
20	cis-1,3-Dichloropropene	5	BQL
21	trans-1,3-Dichloropropene	5	BQL
22	Ethylbenzene	5	BQL
23	2-Hexanone	10	BQL
24	Methylene chloride	5	BQL
25	4-Methyl-2-pentanone	10	BQL
26	Styrene	5	BQL
27	1,1,2,2-Tetrachloroethane	5	BQL
28	Tetrachloroethene	5	BQL
29	Toluene	5	BQL
30	1,1,1-Trichloroethane	5	BQL
31	1,1,2-Trichloroethane	5	BQL
32	Trichloroethene	5	BQL
33	Vinyl acetate	10	BQL
34	Vinyl chloride	10	BQL
35	Xylenes (total)	5	BQL

Comments:
Sample specific quantitation limits may be calculated by multiplying the quantitation limit by the dilution factor and/or moisture correction factor where reported.
BQL = Below Quantitation Limit
N/A = Not Applicable
Corresponding Samples: 9505257-04
Filename: 0511903

STS CHAIN OF CUSTODY RECORD

№ 17270 RECORD NO. 1 THROUGH 1

Contact Person STEVE NEWLIN
Phone No. (708) 272-6520 x2590
Project No. 26249-XA PO No.
STS Office Deerfield

SPECIAL HANDLING REQUEST
☐ ~~RUSH~~
☒ VERBAL
☒ ~~OTHER~~

Laboratory IEA
Contact Person
Phone No. (919) 677-0090
Results Due CALL STEVE NEWLIN to Confirm

Sample I.D.	Date	Time	Grab	Composite	No. of Containers	Sample Type (Water, soil, air, sludge, etc.)	Preservation Y	Preservation N	Field Data PID/FID Ambient	Field Data PID/FID Sample	Field Data PH	Field Data Spec. Cond.	Analysis Request	Comments on Sample (Include Major Contaminants)
B126-12(BOT)75 to 77	5/5/95	PM	X		2	SOIL		X	Ø	Ø			VOCs	TCE
B122-9(MIDTOP)30 to 32	5/2/95	↓	↓		↓	↓		↓					↓	↓
B122-10(MIDBOT)325/325	↓													
B120-14(MIDTOP)47/49	4/28	↓	↓		↓	↓		↓					↓	↓

Collected by: SJM	Date 4/28-5/5	Time AM/PM	Delivery by: FED EX	Date 5/8/95	Time AM
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received by:	Date	Time	Relinquished by:	Date	Time
Received for lab by: D. McCarthy	Date 5-9-95	Time 0930	Relinquished by:	Date	Time

Laboratory Comments Only: Seals Intact Upon Receipt ☐ Yes ☐ No ☐ N/A 4°C

Final disposition: 2073-002R

Comments (Weather Conditions, Precautions, Hazards):

Distribution: Original and Green – Laboratory Yellow – As needed Pink – Transporter Goldenrod – STS Project File