STS CONSULTANTS
11425 West Lake Park Drive
Milwaukee, Wisconsin 53224
414-359-3030 Phone
414-359-0822 Fax

230007470 Dry Cleaner no activity
230058510 Phillips 66 ERP, LUST

May 21, 2002

Ms. Barbara Grundl
Wisconsin Department of Natural Resources
2300 N. Dr. Martin Luther King Jr. Drive
Milwaukee, WI 53212

RE: Documentation Report for the Wisconsin Department of Transportation Construction Emergency Excavation of Foundry Sand Fill at 5920 and 5922 Sheridan Road (State Trunk Highway 32) in Kenosha, Wisconsin – WisDOT I.D. 3240-08-70, STS Project No. 86289XG Task 7000

Dear Ms. Grundl:

On behalf of the Wisconsin Department of Transportation (WisDOT), STS Consultants, Ltd. (STS) is hereby providing documentation of excavation activities for the removal of foundry sand fill from the intersection and northeast corner of Sheridan Road (State Trunk Highway 32) and 60th Street. Figure 1 shows the location of the subject site. The following subsections summarize the project background and field activities conducted prior to and during excavation of the impacted soil. A list of parties involved is provided in Attachment A.

This report has been prepared in general conformance with NR 724.15 of the Wisconsin Administrative Code (WAC). The work was completed in accordance with the STS Work Order 10 for Master Contract Project I.D. 1000-00-40 which was approved April, 1, 2000.

The foundry sand fill encountered was located in the STH 32 (Sheridan Road) right-of-way owned by the City of Kenosha. The WisDOT is not requesting Wisconsin Department of Natural Resources action in response to this submittal.

Project Background

On August 24, 2001, James Cape and Sons (Cape) encountered homogenous black sand while excavating for storm sewer installation in the intersection of Sheridan Road and North 60th Street. An STS technician on-site at the time observed the excavation activities and noted black foundry sand, a non-exempt fill material, approximately 2 feet below the existing grade at Station 58+10, 48 feet right. The sample collected was screened using a photoionization detector (PID) for the presence of volatile organic compounds. Elevated PID readings (583 PID units) were observed in the sample collected. A foundry sand sample was collected at Sta. 58+25 and submitted to Great Lakes Laboratory for waste disposal characterization.

In order to keep construction activities from being delayed, foundry sand excavated from the grading and utility activities in the area of the Sheridan Road and North 60th Street intersection and the northeast corner of Sheridan Road and North 60th Street was stockpiled at the northwest corner of 8th Street and North 52nd Street by Cape. The foundry sand was stockpiled on plastic sheeting and was covered during times of inactivity. A soil berm was constructed around the stockpiled material to limit precipitation runoff from coming in contact with the pile. The stockpile was maintained at the corner of 8th Street and North 52nd Street pending laboratory results and disposal approval.

Field Activities

On August 24 and 27, 2001, an STS technician was on-site to observe excavation activities during the installation of the storm sewer at the intersection of Sheridan Road and North 60th Street. The STS technician was present to document and direct the removal of foundry sand encountered during the utility trench excavation. Cape was notified to segregate out the foundry sand from the remainder of the excavated material.

Wisconsin Department of Natural Resources
STS Project No. 586289XG-7000
May 21, 2002

Foundry sand was encountered in the storm sewer trench excavation between stations 58+10 to 58+35. At station 58+15, the foundry sand was observed approximately 1 foot below the existing grade with a thickness of 4 feet. Visual observations of the foundry sand were used to guide the segregation of material being excavated from the utility trench. Groundwater was not encountered during the storm sewer or grading activities. The attached plan sheet (Sheet No: 2.49) from the WisDOT project plan set shows the area of concern. Foundry sand was loaded into trucks with a backhoe and hauled by Cape to the northwest corner of 8th Street and North 52nd Street where it was stockpiled until laboratory waste profile results were available.

The level of contamination did not pose a significant migration hazard. Therefore, no migration barriers were installed as part of the trench backfill operations.

Soil Disposal

Final laboratory results were available on September 4, 2001.

Low level detections of chromium (8.04 mg/kg) and mercury (0.0509 mg/kg) were reported in the foundry sand sample. No elevated concentrations of other metals above the detection limits were reported. No elevated concentrations of SVOCs, VOCs or PCBs above laboratory detection limits were reported for the sample. A copy of the laboratory report was sent to Onyx for disposal approval and their records. The waste profile number 365248 was assigned to the material at the subject area. The laboratory report is provided in Attachment B.

On September 13, 2001, Cape loaded the stockpiled material at the northwest corner of 8th Street and North 52nd Street into trucks and transported it to the Pheasant Run Landfill for disposal. A total of 151.86 tons of foundry sand soil was loaded and transported to Pheasant Run Landfill for disposal. Documentation for the soil received by Superior is included in Attachment C.

Closing

Thank you for your attention to this matter. If you have any questions concerning the work summarized herein, please feel free to contact either of the undersigned at your earliest convenience.

Sincerely,

STS CONSULTANTS, LTD.

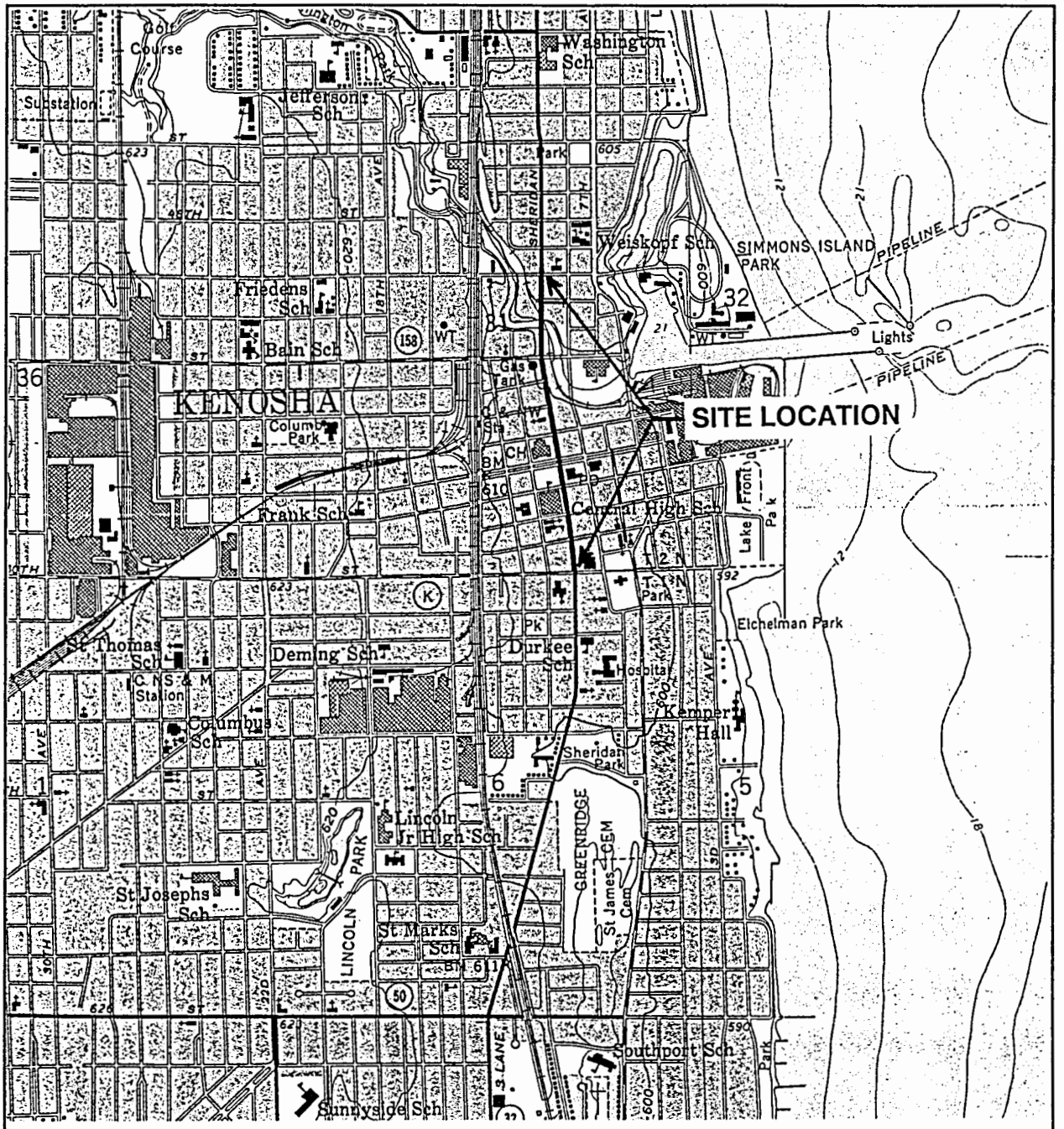
Bryan J. Bergmann, P.G.
Assistant Project Hydrogeologist

Thomas W. Kroeger, P.H.
Principal Hydrologist

©STS Consultants, Ltd., May 2002

Attachments

Cc: John Lewis, Wisconsin Department of Transportation
Ken Wade, Wisconsin Department of Transportation
Andy Smieja, Wisconsin Department of Transportation



SOURCE: KENOSHA, WISCONSIN QUADRANGLE 1958 (REVISED 1971)

STS Consultants Ltd Consulting Engineers	SITE LOCATION MAP STATE TRUNK HIGHWAY 32 (SHERIDAN ROAD) 60TH STREET TO 50TH STREET WISDOT I.D. 3240-08-70 KENOSHA, WISCONSIN	DRAWN BY: tpw	DATE: 02/18/02
		CHECKED BY: bjb	DATE: 02/18/02
		APPROVED BY: twk	DATE: 02/21/02
		FILE NO. 586289fig1.doc	SCALE: 1:24000
		STS PROJECT NO. 5-86289	FIGURE NO. 1

BEGIN PROJECT
I.D 3240-08-00
STA 55+00.00
EL 606.73

MOVING TELEPHONE BOX

MOVING PRIVATE LIGHT POLE

60th ST.

STH 32 (SHERIDAN RD.)

MATCHLINE 60+00

SUBJECT AREA

LINE "B"

ADJUSTMENT LEGEND

- (AW) ADJUST WATER VALVE, VALVE VAULT, OR FIRE HYDRANT
- (AS) ADJUSTING SANITARY MANHOLE COVER
- (AU) ADJUSTING UTILITY (GAS, TELEPHONE, MONITORING WELL, ELECTRIC, CATV) (ADJUSTED BY OTHERS)
- (UP) REMOVING UTILITY POLES, SPECIAL
- (MP) MOVING POWER POLES (BY OTHERS)

59th ST.

LINE "C"

MOVING PRIVATE LIGHT POLE

STH 32 (SHERIDAN RD.)

MATCHLINE 60+00

MATCHLINE 64+75

NOTE: STORM SEWER RELATED ITEMS SHOWN ON STORM SEWER PLAN
NEW WATER MAIN RELATED ITEMS SHOWN ON WATER MAIN PLAN
TRAFFIC SIGNAL ITEMS SHOWN ON TRAFFIC SIGNAL PLAN

STATE PROJECT NUMBER: 3240-08-70	HWY: STH 32 (SHERIDAN RD.)	COUNTY: KENOSHA	UTILITIES	SCALE, FEET 0 20 40	SHEET NO: 2.49	E

LEVELS ON - 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

ATTACHEMNT A

Involved Parties

INVOLVED PARTIES

Contracting Authority:	Wisconsin Department of Transportation 4802 Sheboygan Avenue Madison, WI 53707	Mr. John Lewis (608) 267-3147
Environmental Consultant:	STS Consultants, Ltd. 11425 West Lake Park Drive Milwaukee, WI 53224	Mr. Bryan Bergmann (414) 359-3030
Excavation Contractor:	James Cape and Sons, Inc. 5905 12th Street Kenosha, WI 53144	(262) 552-8435
Soil Disposal Contractor:	Onyx Environmental Services, Inc. W124 N9451 Boundary Road Menomonee Falls, WI 53051	Mr. Kyle Raabe (262) 255-6655
Laboratory:	Great Lakes Analytical 140 East Ryan Road Oak Creek, WI 53154	Mr. Dave Krueger (414) 570-9460
Landfill:	Waste Management, Inc. Pheasant Run Landfill 19414 60th Street Bristol, WI 53104	(262) 857-7956

ATTACHMENT B

Soil Sample Laboratory Results

GREAT
LAKES
ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

September 4, 2001

Bryan Bergmann
STS Consultants
11425 S. Lake Park Dr.
Milwaukee, WI 53224

RE: 5-86289 XG

Dear Bryan Bergmann

Enclosed are the results of analyses for sample(s) received by the laboratory on August 24, 2001. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Andrea Stathas
Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

ANALYTICAL REPORT FOR SAMPLES:

Sample Description	Laboratory Sample Number	Sample Matrix	Date Sampled
S-3	W108218-01	Soil (WI)	8/24/01

The results in this report apply to the samples analyzed in accordance with the chain of custody document. This analytical report must be reproduced in its entirety.

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

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(414) 570-9460 FAX (414) 570-9461

TTS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
1425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Total Metals by EPA 6000/7000 Series Methods
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-3			W108218-01				Soil (WI)	1
Arsenic	1080569	8/28/01	8/29/01	6010B	6.36	ND	mg/kg dry	
Barium	"	"	"	6010B	127	ND	"	
Cadmium	"	"	"	6010B	1.27	ND	"	
Chromium	"	"	"	6010B	6.36	**8.04**	"	
Copper	"	"	"	6010B	127	ND	"	
Lead	"	"	"	6010B	6.36	ND	"	
Nickel	"	"	"	6010B	44.5	ND	"	
Selenium	"	"	"	6010B	1.27	ND	"	
Silver	"	"	"	6010B	6.36	ND	"	
Zinc	"	"	"	6010B	254	ND	"	
Mercury	1080577	8/29/01	"	EPA 7471A	0.0509	0.0509	"	

Great Lakes Analytical--Oak Creek

Refer to end of report for text of notes and definitions.

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
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Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Polychlorinated Biphenyls by EPA Method 8082
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-3			W108218-01				Soil (WI)	1
PCB-1016	1080599	8/29/01	8/29/01		25.0	ND	ug/kg	
PCB-1221	"	"	"		25.0	ND	"	
PCB-1232	"	"	"		25.0	ND	"	
PCB-1242	"	"	"		25.0	ND	"	
PCB-1248	"	"	"		25.0	ND	"	
PCB-1254	"	"	"		25.0	ND	"	
PCB-1260	"	"	"		25.0	ND	"	
Surrogate: Tetrachloro-meta-xylene	"	"	"	*22.2-110*		*32.6*	*%*	
Surrogate: Decachlorobiphenyl	"	"	"	*16.2-107*		*54.0*	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Semivolatile Organic Compounds by EPA Method 8270C (TCLP List)
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-3			**W108218-01**				**Soil (WI)**	**G4,1**
o-Cresol	1080601	8/29/01	8/29/01		200	ND	mg/kg	
m,p-Cresols	"	"	"		200	ND	"	
1,4-Dichlorobenzene	"	"	"		7.50	ND	"	
2,4-Dinitrotoluene	"	"	"		0.130	ND	"	
Hexachlorobenzene	"	"	"		0.130	ND	"	
Hexachlorobutadiene	"	"	"		0.500	ND	"	
Hexachloroethane	"	"	"		3.00	ND	"	
Nitrobenzene	"	"	"		2.00	ND	"	
Pentachlorophenol	"	"	"		100	ND	"	
Pyridine	"	"	"		5.00	ND	"	
2,4,5-Trichlorophenol	"	"	"		400	ND	"	
2,4,6-Trichlorophenol	"	"	"		2.00	ND	"	
Surrogate: 2-Fluorophenol	"	"	"	*10.0-109*		*61.1*	*%*	
Surrogate: Phenol-d6	"	"	"	*10.0-115*		*61.1*	"	
Surrogate: Nitrobenzene-d5	"	"	"	*10.0-114*		*64.2*	"	
Surrogate: 2-Fluorobiphenyl	"	"	"	*10.0-106*		*64.2*	"	
Surrogate: 2,4,6-Tribromophenol	"	"	"	*19.3-88.7*		*64.4*	"	
Surrogate: p-Terphenyl-d14	"	"	"	*10.0-126*		*73.3*	"	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

General Chemistry
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-3			W108218-01				Soil (WI)	1
Free Liquid	1080576	8/28/01	8/28/01	9095A		Pass	N/A	
Flashpoint	1080575	"	"	ASTM D92-85		>220	°F	
Percent Chlorine	1080598	8/29/01	8/29/01	ASTMD808	0.127	**0.221**	% dry	
Phenol	1080607	8/30/01	8/30/01	EPA 420.2	0.801	**1.26**	mg/kg dry	
Reactive Cyanide	1080592	8/29/01	8/29/01	EPA 7.3.3	0.165	ND	"	
Reactive Sulfide	1080594	"	"	EPA 7.3.4	8.27	ND	"	
pH	1080573	8/28/01	8/28/01	EPA 9045B		**7.50**	pH Units	

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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TS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
1425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Volatile Organic Compounds by EPA Method 8260B (TCLP List)
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Surrogate Limits	Reporting Limit	Result	Units	Notes*
S-3			W108218-01				Soil (WI)	G19,G3,G4,1
Benzene	1080572	8/29/01	8/29/01		0.318	ND	mg/kg dry	
Carbon tetrachloride	"	"	"		0.318	ND	"	
Chlorobenzene	"	"	"		63.6	ND	"	
Chloroform	"	"	"		3.82	ND	"	
1,2-Dichloroethane	"	"	"		0.318	ND	"	
1,1-Dichloroethylene	"	"	"		0.445	ND	"	
Methyl ethyl ketone	"	"	"		127	ND	"	
Tetrachloroethene	"	"	"		0.445	ND	"	
Trichloroethylene	"	"	"		0.318	ND	"	
Vinyl chloride	"	"	"		0.127	ND	"	
Surrogate: Dibromofluoromethane	"	"	"	*81.2-134*		*116*	*%*	
Surrogate: 1,2-Dichloroethane-d4	"	"	"	*50.8-145*		*128*	"	
Surrogate: Toluene-d8	"	"	"	*82.0-121*		*108*	"	
Surrogate: 4-Bromofluorobenzene	"	"	"	*76.8-113*		*87.9*	"	

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

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Oak Creek, Wisconsin 53154

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Physical Parameters by APHA/ASTM/EPA Methods
Great Lakes Analytical

Analyte	Batch Number	Date Prepared	Date Analyzed	Specific Method	Reporting Limit	Result	Units	Notes*
S-3			W108218-01				Soil (WI)	1
Specific Gravity	1080596	8/29/01	8/29/01	ASTM D854-S3		1.92	g/ml	
Total Solids	1080583	"	"	EPA 160.3	0.100	77.3	% by Weight	

Refer to end of report for text of notes and definitions.

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

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11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Dry Weight Determination
Great Lakes Analytical

Sample Name	Lab ID	Matrix	Result	Units
S-3	W108218-01	Soil (WI)	78.6	%

Great Lakes Analytical--Oak Creek

Andrea Stathas, Project Manager

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11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Total Metals by EPA 6000/7000 Series Methods/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1080569	**Date Prepared: 8/28/01**				**Extraction Method: EPA 3050B**					
Blank	**1080569-BLK1**									
Arsenic	8/29/01			ND	mg/kg dry	5.00				
Barium	"			ND	"	100				
Cadmium	"			ND	"	1.00				
Chromium	"			ND	"	5.00				
Copper	"			ND	"	100				
Lead	"			ND	"	5.00				
Nickel	"			ND	"	35.0				
Selenium	"			ND	"	1.00				
Silver	"			ND	"	5.00				
Zinc	"			ND	"	200				
LCS	**1080569-BS1**									
Arsenic	8/29/01	106		107	mg/kg dry	90.0-113	101			
Barium	"	200		202	"	85.0-106	101			
Cadmium	"	200		201	"	87.0-105	101			
Chromium	"	200		202	"	85.0-107	101			
Copper	"	200		204	"	88.0-109	102			
Lead	"	201		202	"	84.0-109	100			
Nickel	"	200		202	"	84.0-110	101			
Selenium	"	56.0		54.8	"	86.0-112	97.9			
Silver	"	200		196	"	86.0-107	98.0			
Zinc	"	200		203	"	84.0-116	102			
Matrix Spike	**1080569-MS1**		**W108218-01**							
Arsenic	8/29/01	132	ND	115	mg/kg dry	59.0-120	87.1			
Barium	"	249	ND	243	"	47.0-155	97.6			
Cadmium	"	249	ND	211	"	59.0-116	84.7			
Chromium	"	249	8.04	222	"	69.0-110	85.9			
Copper	"	249	ND	221	"	51.0-145	88.8			
Lead	"	251	ND	217	"	52.0-125	86.5			
Nickel	"	249	ND	217	"	43.0-134	87.1			
Selenium	"	69.8	ND	57.8	"	49.0-125	82.8			
Silver	"	249	ND	205	"	62.0-123	82.3			
Zinc	"	249	ND	ND	"	11.0-159	NR			
Matrix Spike Dup	**1080569-MSD1**		**W108218-01**							
Arsenic	8/29/01	133	ND	119	mg/kg dry	59.0-120	89.5	17.0	2.72	

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL
140 East Ryan Road
Oak Creek, Wisconsin 53154
Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Total Metals by EPA 6000/7000 Series Methods/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	**1080569-MSD1**		**W108218-01**							
Barium	8/29/01	252	ND	251	mg/kg dry	47.0-155	99.6	17.0	2.03	
Cadmium	"	252	ND	219	"	59.0-116	86.9	9.00	2.56	
Chromium	"	252	8.04	230	"	69.0-110	88.1	10.0	2.53	
Copper	"	252	ND	230	"	51.0-145	91.3	8.00	2.78	
Lead	"	253	ND	222	"	52.0-125	87.7	14.0	1.38	
Nickel	"	252	ND	225	"	43.0-134	89.3	6.00	2.49	
Selenium	"	70.5	ND	59.4	"	49.0-125	84.3	15.0	1.80	
Silver	"	252	ND	215	"	62.0-123	85.3	10.0	3.58	
Zinc	"	252	ND	ND	"	11.0-159	NR	6.00		
Batch: 1080577	**Date Prepared: 8/29/01**				**Extraction Method: EPA 7471A**					
Blank	**1080577-BLK1**									
Mercury	8/29/01			ND	mg/kg dry	0.0400				
LCS	**1080577-BS1**									
Mercury	8/29/01	0.200		0.195	mg/kg dry	71.9-126	97.5			
Matrix Spike	**1080577-MS1**		**B108386-01**							
Mercury	8/29/01	0.238	0.129	0.350	mg/kg dry	38.3-154	92.9			
Matrix Spike Dup	**1080577-MSD1**		**B108386-01**							
Mercury	8/29/01	0.238	0.129	0.332	mg/kg dry	38.3-154	85.3	9.52	8.53	

Refer to end of report for text of notes and definitions.

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Polychlorinated Biphenyls by EPA Method 8082/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1080599	**Date Prepared: 8/29/01**					**Extraction Method: EPA 3550B**				
Blank	**1080599-BLK1**									
PCB-1016	8/29/01			ND	ug/kg	25.0				
PCB-1221	"			ND	"	25.0				
PCB-1232	"			ND	"	25.0				
PCB-1242	"			ND	"	25.0				
PCB-1248	"			ND	"	25.0				
PCB-1254	"			ND	"	25.0				
PCB-1260	"			ND	"	25.0				
Surrogate: Tetrachloro-meta-xylene	"	*33.5*		*15.1*	"	*22.2-110*	*45.1*			
Surrogate: Decachlorobiphenyl	"	*33.5*		*18.6*	"	*16.2-107*	*55.5*			
LCS	**1080599-BS1**									
PCB-1016	8/29/01	164		95.2	ug/kg	10.0-135	58.0			
PCB-1260	"	164		104	"	10.0-118	63.4			
Surrogate: Tetrachloro-meta-xylene	"	*32.9*		*18.1*	"	*22.2-110*	*55.0*			
Surrogate: Decachlorobiphenyl	"	*32.9*		*19.6*	"	*16.2-107*	*59.6*			
Matrix Spike	**1080599-MS1**	**W108218-01**								
PCB-1016	8/29/01	169	ND	91.3	ug/kg	14.3-134	54.0			
PCB-1260	"	169	ND	108	"	10.0-173	63.9			
Surrogate: Tetrachloro-meta-xylene	"	*33.8*		*14.0*	"	*22.2-110*	*41.4*			
Surrogate: Decachlorobiphenyl	"	*33.8*		*18.9*	"	*16.2-107*	*55.9*			
Matrix Spike Dup	**1080599-MSD1**	**W108218-01**								
PCB-1016	8/30/01	165	ND	94.4	ug/kg	14.3-134	57.2	74.2	5.76	
PCB-1260	"	165	ND	105	"	10.0-173	63.6	51.5	0.471	
Surrogate: Tetrachloro-meta-xylene	"	*32.9*		*17.6*	"	*22.2-110*	*53.5*			
Surrogate: Decachlorobiphenyl	"	*32.9*		*18.8*	"	*16.2-107*	*57.1*			

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Semivolatile Organic Compounds by EPA Method 8270C (TCLP List)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1080601	**Date Prepared: 8/29/01**				**Extraction Method: EPA 3550B**					
Blank	**1080601-BLK1**									
o-Cresol	9/1/01			ND	mg/kg	200				
m,p-Cresols	"			ND	"	200				
1,4-Dichlorobenzene	"			ND	"	7.50				
2,4-Dinitrotoluene	"			ND	"	0.130				
Hexachlorobenzene	"			ND	"	0.130				
Hexachlorobutadiene	"			ND	"	0.500				
Hexachloroethane	"			ND	"	3.00				
Nitrobenzene	"			ND	"	2.00				
Pentachlorophenol	"			ND	"	100				
Pyridine	"			ND	"	5.00				
2,4,5-Trichlorophenol	"			ND	"	400				
2,4,6-Trichlorophenol	"			ND	"	2.00				
Surrogate: 2-Fluorophenol	"	*3.36*		*2.14*	"	*10.0-109*	*63.7*			
Surrogate: Phenol-d6	"	*3.36*		*2.25*	"	*10.0-115*	*67.0*			
Surrogate: Nitrobenzene-d5	"	*1.68*		*1.19*	"	*10.0-114*	*70.8*			
Surrogate: 2-Fluorobiphenyl	"	*1.68*		*1.26*	"	*10.0-106*	*75.0*			
Surrogate: 2,4,6-Tribromophenol	"	*3.36*		*1.88*	"	*19.3-88.7*	*56.0*			
Surrogate: p-Terphenyl-d14	"	*1.68*		*1.91*	"	*10.0-126*	*114*			
LCS	**1080601-BS1**									
o-Cresol	9/1/01	1.69		1.31	mg/kg	20.3-110	77.5			
m,p-Cresols	"	1.69		1.18	"	5.00-110	69.8			
1,4-Dichlorobenzene	"	1.69		1.11	"	16.3-110	65.7			
2,4-Dinitrotoluene	"	1.69		1.17	"	32.1-110	69.2			
Hexachlorobenzene	"	1.69		1.11	"	31.8-110	65.7			
Hexachlorobutadiene	"	1.69		1.11	"	11.1-110	65.7			
Hexachloroethane	"	1.69		1.12	"	10.6-110	66.3			
Nitrobenzene	"	1.69		1.14	"	27.3-110	67.5			
Pentachlorophenol	"	1.69		0.702	"	5.00-110	41.5			
Pyridine	"	1.69		ND	"	10.0-162	NR			
2,4,5-Trichlorophenol	"	1.69		1.17	"	14.3-110	69.2			
2,4,6-Trichlorophenol	"	1.69		1.20	"	30.9-110	71.0			
Surrogate: 2-Fluorophenol	"	*3.37*		*2.25*	"	*10.0-109*	*66.8*			
Surrogate: Phenol-d6	"	*3.37*		*2.29*	"	*10.0-115*	*68.0*			
Surrogate: Nitrobenzene-d5	"	*1.69*		*1.17*	"	*10.0-114*	*69.2*			
Surrogate: 2-Fluorobiphenyl	"	*1.69*		*1.20*	"	*10.0-106*	*71.0*			
Surrogate: 2,4,6-Tribromophenol	"	*3.37*		*2.17*	"	*19.3-88.7*	*64.4*			

Great Lakes Analytical--Oak Creek

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11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Semivolatile Organic Compounds by EPA Method 8270C (TCLP List)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS (continued)	1080601-BS1									
Surrogate: p-Terphenyl-d14	*9/1/01*	*1.69*		*1.55*	*mg/kg*	*10.0-126*	*91.7*			
Matrix Spike	1080601-MS1		W108218-01							
o-Cresol	9/1/01	1.71	ND	1.20	mg/kg	5.00-128	**70.2**			
m,p-Cresols	"	1.71	ND	1.10	"	5.00-131	**64.3**			
1,4-Dichlorobenzene	"	1.71	ND	0.902	"	5.00-110	**52.7**			
2,4-Dinitrotoluene	"	1.71	ND	1.00	"	16.2-110	**58.5**			
Hexachlorobenzene	"	1.71	ND	0.792	"	5.00-117	**46.3**			
Hexachlorobutadiene	"	1.71	ND	0.792	"	5.00-110	**46.3**			
Hexachloroethane	"	1.71	ND	0.857	"	5.00-110	**50.1**			
Nitrobenzene	"	1.71	ND	1.02	"	14.4-110	**59.6**			
Pentachlorophenol	"	1.71	ND	0.784	"	5.00-114	**45.8**			
Pyridine	"	1.71	ND	0.934	"	31.0-198	**54.6**			
2,4,5-Trichlorophenol	"	1.71	ND	1.05	"	11.6-113	**61.4**			
2,4,6-Trichlorophenol	"	1.71	ND	1.13	"	18.8-110	**66.1**			
Surrogate: 2-Fluorophenol	*"*	*3.41*		*2.05*	*"*	*10.0-109*	*60.1*			
Surrogate: Phenol-d6	*"*	*3.41*		*2.06*	*"*	*10.0-115*	*60.4*			
Surrogate: Nitrobenzene-d5	*"*	*1.71*		*1.06*	*"*	*10.0-114*	*62.0*			
Surrogate: 2-Fluorobiphenyl	*"*	*1.71*		*0.894*	*"*	*10.0-106*	*52.3*			
Surrogate: 2,4,6-Tribromophenol	*"*	*3.41*		*2.05*	*"*	*19.3-88.7*	*60.1*			
Surrogate: p-Terphenyl-d14	*"*	*1.71*		*1.11*	*"*	*10.0-126*	*64.9*			
Matrix Spike Dup	1080601-MSD1		W108218-01							
o-Cresol	9/1/01	1.70	ND	1.26	mg/kg	5.00-128	**74.1**	86.1	**5.41**	
m,p-Cresols	"	1.70	ND	1.16	"	5.00-131	**68.2**	92.8	**5.89**	
1,4-Dichlorobenzene	"	1.70	ND	0.848	"	5.00-110	**49.9**	86.6	**5.46**	
2,4-Dinitrotoluene	"	1.70	ND	1.12	"	16.2-110	**65.9**	85.7	**11.9**	
Hexachlorobenzene	"	1.70	ND	0.878	"	5.00-117	**51.6**	79.5	**10.8**	
Hexachlorobutadiene	"	1.70	ND	0.784	"	5.00-110	**46.1**	82.0	**0.433**	
Hexachloroethane	"	1.70	ND	0.807	"	5.00-110	**47.5**	90.3	**5.33**	
Nitrobenzene	"	1.70	ND	1.03	"	14.4-110	**60.6**	84.2	**1.66**	
Pentachlorophenol	"	1.70	ND	0.952	"	5.00-114	**56.0**	70.7	**20.0**	
Pyridine	"	1.70	ND	1.04	"	31.0-198	**61.2**	37.0	**11.4**	
2,4,5-Trichlorophenol	"	1.70	ND	1.21	"	11.6-113	**71.2**	79.3	**14.8**	
2,4,6-Trichlorophenol	"	1.70	ND	1.24	"	18.8-110	**72.9**	88.2	**9.78**	
Surrogate: 2-Fluorophenol	*"*	*3.38*		*2.03*	*"*	*10.0-109*	*60.1*			
Surrogate: Phenol-d6	*"*	*3.38*		*2.10*	*"*	*10.0-115*	*62.1*			
Surrogate: Nitrobenzene-d5	*"*	*1.70*		*1.06*	*"*	*10.0-114*	*62.4*			

Great Lakes Analytical--Oak Creek

**Refer to end of report for text of notes and definitions.*

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Semivolatile Organic Compounds by EPA Method 8270C (TCLP List)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Matrix Spike Dup (continued)	**1080601-MSD1**	**W108218-01**								
Surrogate: 2-Fluorobiphenyl	*9/1/01*	*1.70*		*0.939*	*mg/kg*	*10.0-106*	*55.2*			
Surrogate: 2,4,6-Tribromophenol	*"*	*3.38*		*2.26*	*"*	*19.3-88.7*	*66.9*			
Surrogate: p-Terphenyl-d14	*"*	*1.70*		*1.24*	*"*	*10.0-126*	*72.9*			

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STS Consultants	Project:	5-86289 XG	Sampled: 8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received: 8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported: 9/4/01 17:00

General Chemistry/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1080573	**Date Prepared: 8/28/01**				**Extraction Method: General Prep WC**					
LCS	**1080573-BS1**									
pH	8/28/01	7.00		7.04	pH Units	98.6-101	101			
LCS Dup	**1080573-BSD1**									
pH	8/28/01	7.00		7.02	pH Units	98.6-101	100	1.00	0.995	
Duplicate	**1080573-DUP1**		**B108386-01**							
pH	8/28/01		8.28	8.32	pH Units			1.00	0.482	
Batch: 1080592	**Date Prepared: 8/29/01**				**Extraction Method: General Prep WC**					
Blank	**1080592-BLK1**									
Reactive Cyanide	8/29/01			ND	mg/kg dry	0.130				
LCS	**1080592-BS1**									
Reactive Cyanide	8/29/01	12.4		7.40	mg/kg dry	20.0-125	59.7			
Matrix Spike	**1080592-MS1**		**W108218-01**							
Reactive Cyanide	8/29/01	15.7	ND	12.5	mg/kg dry	20.0-131	79.6			
Matrix Spike Dup	**1080592-MSD1**		**W108218-01**							
Reactive Cyanide	8/29/01	15.7	ND	12.5	mg/kg dry	20.0-131	79.6	20.0	0	
Batch: 1080594	**Date Prepared: 8/29/01**				**Extraction Method: General Prep WC**					
Blank	**1080594-BLK1**									
Reactive Sulfide	8/29/01			ND	mg/kg dry	6.50				
LCS	**1080594-BS1**									
Reactive Sulfide	8/29/01	171		139	mg/kg dry	15.0-120	81.3			
Matrix Spike	**1080594-MS1**		**W108218-01**							
Reactive Sulfide	8/29/01	2160	ND	2310	mg/kg dry	10.0-143	107			
Matrix Spike Dup	**1080594-MSD1**		**W108218-01**							
Reactive Sulfide	8/29/01	2160	ND	2310	mg/kg dry	10.0-143	107	20.0	0	
Batch: 1080598	**Date Prepared: 8/29/01**				**Extraction Method: General Prep WC**					
Blank	**1080598-BLK1**									
Percent Chlorine	8/29/01			ND	% dry	0.100				

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

General Chemistry/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS	1080598-BS1									
Percent Chlorine	8/29/01	10.0		9.95	% dry	80.0-120	99.5			
LCS Dup	1080598-BSD1									
Percent Chlorine	8/29/01	10.0		9.48	% dry	80.0-120	94.8	20.0	4.84	
Batch: 1080607	Date Prepared: 8/30/01				Extraction Method: General Prep WC					
Blank	1080607-BLK1									
Phenol	8/30/01			ND	mg/kg dry	0.630				
LCS	1080607-BS1									
Phenol	8/30/01	10.0		11.7	mg/kg dry	78.0-121	117			
Matrix Spike	1080607-MS1		W108218-01							
Phenol	8/30/01	12.7	1.26	12.8	mg/kg dry	56.0-125	90.9			
Matrix Spike Dup	1080607-MSD1		W108218-01							
Phenol	8/30/01	12.7	1.26	12.9	mg/kg dry	56.0-125	91.7	20.0	0.876	

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Volatile Organic Compounds by EPA Method 8260B (TCLP List)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1080572	**Date Prepared: 8/28/01**				**Extraction Method: EPA 5030B [MeOH]**					
Blank	**1080572-BLK1**									
Benzene	8/31/01			ND	mg/kg dry	0.250				
Carbon tetrachloride	"			ND	"	0.250				
Chlorobenzene	"			ND	"	50.0				
Chloroform	"			ND	"	3.00				
1,2-Dichloroethane	"			ND	"	0.250				
1,1-Dichloroethylene	"			ND	"	0.350				
Methyl ethyl ketone	"			ND	"	100				
Tetrachloroethene	"			ND	"	0.350				
Trichloroethylene	"			ND	"	0.250				
Vinyl chloride	"			ND	"	0.100				
Surrogate: Dibromofluoromethane	"	*2.50*		*2.43*	"	*81.2-134*	*97.2*			
Surrogate: 1,2-Dichloroethane-d4	"	*2.50*		*3.60*	"	*50.8-145*	*144*			
Surrogate: Toluene-d8	"	*2.50*		*2.49*	"	*82.0-121*	*99.6*			
Surrogate: 4-Bromofluorobenzene	"	*2.50*		*1.81*	"	*76.8-113*	*72.4*			
LCS	**1080572-BS1**									
Benzene	8/30/01	2.50		1.43	mg/kg dry	62.1-138	57.2			
Carbon tetrachloride	"	2.50		1.46	"	51.1-134	58.4			
Chlorobenzene	"	2.50		ND	"	63.5-135	NR			
Chloroform	"	2.50		ND	"	69.2-124	NR			
1,2-Dichloroethane	"	2.50		1.70	"	57.5-125	68.0			
1,1-Dichloroethylene	"	2.50		1.36	"	59.9-129	54.4			
Methyl ethyl ketone	"	2.50		ND	"	10.0-175	NR			
Tetrachloroethene	"	2.50		1.16	"	57.6-142	46.4			
Trichloroethylene	"	2.50		1.65	"	61.8-132	66.0			
Vinyl chloride	"	2.50		2.11	"	57.9-143	84.4			
Surrogate: Dibromofluoromethane	"	*2.50*		*2.36*	"	*81.2-134*	*94.4*			
Surrogate: 1,2-Dichloroethane-d4	"	*2.50*		*2.95*	"	*50.8-145*	*118*			
Surrogate: Toluene-d8	"	*2.50*		*2.23*	"	*82.0-121*	*89.2*			
Surrogate: 4-Bromofluorobenzene	"	*2.50*		*1.81*	"	*76.8-113*	*72.4*			
LCS Dup	**1080572-BSD1**									
Benzene	8/30/01	2.50		2.77	mg/kg dry	62.1-138	111	41.4	64.0	
Carbon tetrachloride	"	2.50		2.70	"	51.1-134	108	43.5	59.6	
Chlorobenzene	"	2.50		ND	"	63.5-135	NR	39.0	NR	
Chloroform	"	2.50		3.14	"	69.2-124	126	43.5	200	
1,2-Dichloroethane	"	2.50		3.29	"	57.5-125	132	68.6	64.0	

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11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Volatile Organic Compounds by EPA Method 8260B (TCLP List)/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
LCS Dup (continued)	**1080572-BSD1**									
1,1-Dichloroethylene	8/30/01	2.50		2.66	mg/kg dry	59.9-129	106	47.5	64.3	
Methyl ethyl ketone	"	2.50		ND	"	10.0-175	NR	128	NR	
Tetrachloroethene	"	2.50		2.15	"	57.6-142	86.0	46.3	59.8	
Trichloroethylene	"	2.50		2.32	"	61.8-132	92.8	43.5	33.8	
Vinyl chloride	"	2.50		2.69	"	57.9-143	108	81.0	24.5	
Surrogate: Dibromofluoromethane	"	*2.50*		*2.80*	"	*81.2-134*	*112*			
Surrogate: 1,2-Dichloroethane-d4	"	*2.50*		*2.87*	"	*50.8-145*	*115*			
Surrogate: Toluene-d8	"	*2.50*		*2.65*	"	*82.0-121*	*106*			
Surrogate: 4-Bromofluorobenzene	"	*2.50*		*2.69*	"	*76.8-113*	*108*			

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

140 East Ryan Road
Oak Creek, Wisconsin 53154

Email: info@glalabs.com
(414) 570-9460 FAX (414) 570-9461

STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Physical Parameters by APHA/ASTM/EPA Methods/Quality Control
Great Lakes Analytical

Analyte	Date Analyzed	Spike Level	Sample Result	QC Result	Units	Reporting Limit / Recov. Limits	Recov. %	RPD Limit	RPD %	Notes*
Batch: 1080583	**Date Prepared: 8/29/01**				**Extraction Method: General Prep WC**					
Blank	**1080583-BLK1**									
Total Solids	8/29/01			ND	% by Weight	0.100				
Duplicate	**1080583-DUP1**	**B108386-01**								
Total Solids	8/29/01		84.5	84.0	% by Weight			20.0	0.593	

**Refer to end of report for text of notes and definitions.*

Andrea Stathas, Project Manager

GREAT LAKES ANALYTICAL

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STS Consultants	Project:	5-86289 XG	Sampled:	8/24/01
11425 S. Lake Park Dr.	Project Number:	5-86289 XG	Received:	8/24/01
Milwaukee, WI 53224	Project Manager:	Bryan Bergmann	Reported:	9/4/01 17:00

Notes and Definitions

#	Note
>220	No flash detected up to 220 °F
G19	The relative percent difference (RPD) of one or more analytes in the laboratory control QC (BS/BSD) associated with this sample is above the laboratory's established acceptance limits. Refer to the included QC reports for more detail.
G3	The recovery of one or more analytes in the laboratory control QC (BS/BSD) associated with this sample is above the laboratory's established acceptance criteria. Refer to the included QC reports for more detail.
G4	The recovery of one or more analytes in the laboratory control QC (BS/BSD) associated with this sample is below the laboratory's established acceptance criteria. Refer to the included QC reports for more detail.
Pass	No sample flowed through paint filter.
DET	Analyte DETECTED
ND	Analyte NOT DETECTED at or above the reporting limit
NR	Not Reported
dry	Sample results reported on a dry weight basis
Recov.	Recovery
RPD	Relative Percent Difference
1	This sample was analyzed by Great Lakes Analytical in Buffalo Grove, Illinois, WDNR certification # 999917160.

Great Lakes Analytical--Oak Creek

Andrea Stathas

Andrea Stathas, Project Manager

CHAIN OF CUSTODY REPORT

ANALYTICAL
Buffalo Grove (847) 808-7766 FAX (847) 808-7772
Oconomowoc (414) 570-9460 FAX (414) 570-9461

Client: STS CONSULTANTS
Address: 11425 WEST LAKE PARK DR
MILWAUKEE WI
Report to: BRYAN BERGMAN
Phone #: (414) 359-3030
Fax #: ( ) 359 0822

Bill To: SAME
Address:
State & Program:
Phone #: ( )
Fax #: ( )

TAT: STD. 4 DAY 3 DAY 2 DAY 1 DAY < 24 HRS.
☐ YES - TAT is critical
☐ NO - TAT is not critical
DATE RESULTS NEEDED: ASAP/RUSH
TEMPERATURE UPON RECEIPT:
Deliverable Package Needed: ☐ STD ☐ Other
Air Bill No.

Project: S-86289XG
Sampler: TIM WOOD
PO/Quote #:

	FIELD ID, LOCATION	DATE COLLECTED	TIME COLLECTED	SAMPLE MATRIX	# of Bottles Preservative Used: MeOH	NaHSO4	HCl	HNO3	H2SO4	NaOH	NONE	TOTAL # OF BOTTLES	PETROL B - Tom Kinger								SAMPLE CONTROL: CRACKED-BROKEN	IMPROPERLY SEALED	LABORATORY ID NUMBER
1	S-3 PID:	08/24/01	140PM	SOIL	1						2	3		X									W108218-01
2	PID:																						
3	PID:																						
4	PID:																						
5	PID:																						
6	PID:																						
7	PID:																						
8	PID:																						
9	PID:																						
10	PID:																						

RELINQUISHED	RECEIVED	RELINQUISHED	RECEIVED
8-24-01 300PM	8/24/01 3:00	8-24-01 1650	
DATE TIME			

COMMENTS: RUSH!

PAGE OF

ATTACHMENT C

Landfill Disposal Documentation for Impacted Soil

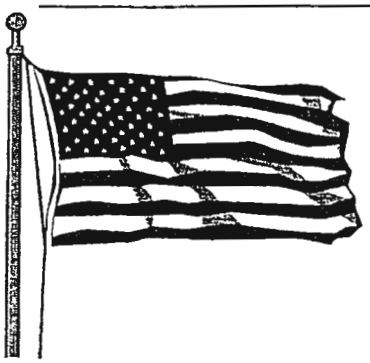
WASTE MANAGEMENT

-VIA FAX-

DATE: March 29, 2002

TO: Brian @ STS 414-359-9430

FROM: Cyndi



GOD BLESS AMERICA!

PHEASANT RUN RDF
WASTE MGMT. OF WISCONSIN, INC.
19414 60TH STREET
BRISTOL WI, 53104

PHONE: (262) 857-7956 EXT _____
(414) 933-5137
FAX: (262) 857-6961

GTS 090

Pheasant Run RDF
Profile Summary
Date Range: 01/01/2001 - 12/31/2001

All Customers, All Trucks, Customer:0001493

Customer # Profile	Customer Name Generator	Waste Category	Loads	Tons	Site Yards
0001493	ONYX ENVIRONMENTAL				
358148	WI DEPT OF TRAN	AW	367	7,162.560	5,505.00
365112	WI DOT	AW	6	101.020	90.00
365113	WI DOT	AW	8	170.750	120.00
365232	WI DEPT OF TRAN	AW	2	34.200	30.00
365248	WI DOT	AW	8	151.860	120.00
BIO364570	WI DEPT OF TRAN	BR	4	83.840	60.00
BIO364571	WI DEPT OF TRAN	BR	22	444.020	330.00
BIO364572	WI DEPT OF TRAN	BR	1	16.150	15.00
BIO365105	WI DOT	BR	10	196.030	150.00
BIO365178	WI DEPT OF TRAN	BR	22	456.760	330.00

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