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October 6, 1993

Andrew H. Perellis, Esq.
Coffield, Ungaretti & Harris
3500 Three First National Plaza
Chicago, Illinois 60602-4283

US EPA RECORDS CENTER REGION 5
464679

Re: Supplemental Soil Sampling
American Chemical Service NPL Site
Griffith, Indiana

Dear Mr. Perellis:

We have completed the Supplemental Soil Sampling investigation at the above referenced site. The work was conducted in accordance with the Supplemental Soil Sampling Plan, dated June 17, 1993 which was discussed with the U.S. Environmental Protection Agency (U.S. EPA) and the Indiana Department of Environmental Management (IDEM) during a meeting on June 16, 1993. This letter transmits a soil boring location map, soil boring logs, and the analytical data from this investigation. The supplemental soil sampling shows that the area of soil requiring remediation is, in fact, larger than the area used to develop our previous minimum remediation cost estimate of $65.8 million (which assumes that contaminated soils will be treated by ISVE and not LTTT).

The results of this investigation confirm our previous discussions with both the PRP's and the regulatory agencies (U.S. EPA and IDEM) that the soil volumes requiring remediation would increase beyond the boundaries previously identified during the Remedial Investigation/Feasibility Study (RI/FS) because of the more stringent cleanup standards in the Record of Decision (ROD). Therefore, you should anticipate that remediation costs will be in excess of the previous $65.8 million estimate. The results of this supplemental soil sampling will be used in designing and implementing the remedial action and therefore serve to fulfill the pre-design soil characterization described in the Statement of Work for the Remedial Design/Remedial Action. In the spirit of moving this project to the remediation phase, the ACS PRP Steering Committee has undertaken this pre-design work in advance of any formalized settlement with the agencies.

THE PERFECT BALANCE
BETWEEN TECHNOLOGY
AND CREATIVITY

CHICAGO
2100 CORPORATE DRIVE
ADDISON, IL 60101
708/691-5000
FAX 708 691-5133

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SUPPLEMENTAL INVESTIGATION

A total of 20 soil borings were drilled at the site during the period of June 21, 1993 to June 24, 1993. The borings were drilled by Environmental and Foundation Drilling Inc. under the supervision of a Warzyn geologist. The soil borings were drilled and soil samples were collected and analyzed from locations around the four disposal areas of the site:

Off-Site Containment Area - Seven soil borings (SB77 through SB83) were drilled around the perimeter of this area of the site. Two samples from each boring were submitted for analysis of VOCs, SVOCs, and PCBs.

Kapica-Pazmey Area - Five soil borings (SB84 through SB88) were drilled within this area of the site. Three of the borings were drilled to a depth of five feet and two were drilled to a depth of 15 feet. One sample from each of the five foot borings and two samples from each of the fifteen foot borings were submitted for analysis of VOCs, SVOCs and PCBs.

Still Bottoms/Treatment Lagoon Area - Six soil borings (SB89 through SB94) were drilled near this area of the site. Two samples from each boring were submitted for analysis of VOCs, SVOCs and PCBs.

On-Site Containment Area - Two soil borings were drilled in this area of the site and one sample from each boring was submitted for analysis of VOCs, SVOCs and PCBs.

Quality Assurance/Quality Control - To provide quality assurance and quality control of the soil sampling, four duplicate samples and four matrix spike/matrix spike duplicate samples were collected and analyzed in addition to the 35 investigation samples.

Water Level Measurements - On June 24, 1993, a round of water level measurements was collected from previously installed groundwater monitoring wells and piezometers at the site.

INVESTIGATION RESULTS

Soil boring locations are shown on the attached Figures 1 and 2. Detailed Boring Logs are provided in Attachment A. Analytical results are presented in Attachment B. The groundwater elevation measurements taken on June 24, 1993 are presented in Attachment C.

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At the Good Faith Negotiating meeting among the PRPs, U.S. EPA and IDEM on June 2, 1993, Warzyn presented a minimum remediation cost estimate of $65.8 million to perform the ROD specified remedy to the cleanup levels established in the ROD. At that meeting, Warzyn explained that the increase in the cost estimate from the $40 million presented in the FS was based on the fact that the cleanup standards presented in the ROD were lower than the assumptions used in the FS to delineate areas of remediation. Warzyn explained that the cost estimate increase was based solely on these new cleanup standards and did not include remediation of the site beyond the boundaries developed in the FS.

The results of the supplemental soil sampling show that the soil volumes requiring remediation in the Off-Site Containment Area, Kapica-Pazmey Area and Still Bottoms/Treatment Lagoon Area will be larger than previously estimated. The soil volume requiring remediation in the On-Site Containment Area did not change based on this supplemental sampling. Because the increased soil volumes were not used to develop the $65.8 million cost estimate, you should anticipate that the minimum costs actually incurred in remedying the site will be significantly greater than this estimate.

CLOSURE

We hope that the above meets your needs at this time. If you have any questions or we can be of further assistance, please give us a call at (708) 691-5000.

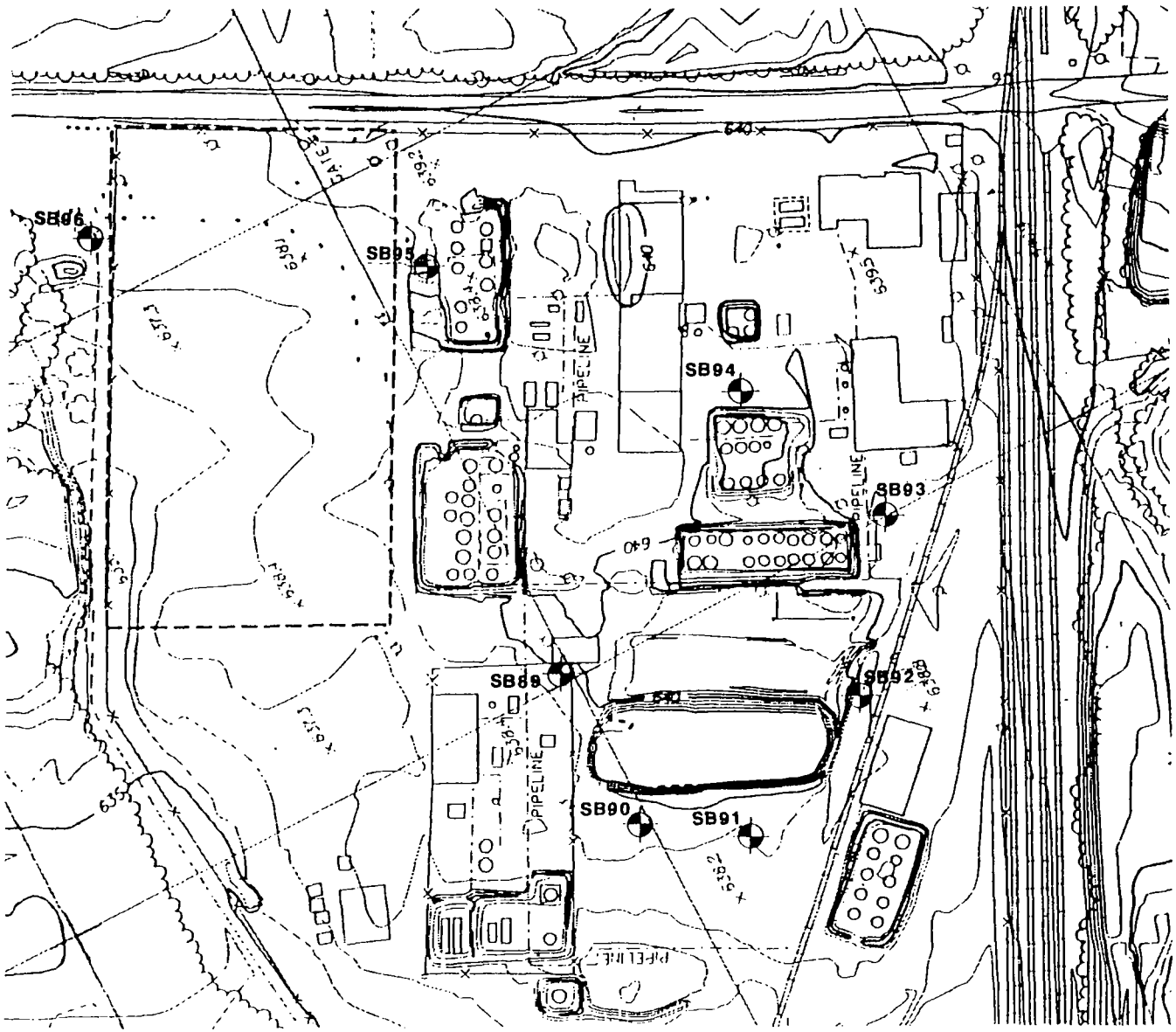
Sincerely,

WARZYN INC.

Joseph D. Adams Jr., P.E.
Vice President

Enclosures: As stated

JDA/njt/gmg/MJH
[chi 109 54]
20007001



LEGEND

SB89 — SOIL BORING LOCATION AND NUMBER

NOTES

1. ALL SOIL BORING LOCATIONS ARE APPROXIMATE.

north

0 100 200

SCALE IN FEET

FIGURE 2

SOIL BORING LOCATION MAP - ON SITE CONTAINMENT AND STILL BOTTOMS/TREATMENT LAGOON AREAS

SUPPLEMENTAL SOIL SAMPLING
AMERICAN CHEMICAL SERVICES
NPL SITE
GRIFFITH, INDIANA

Drawing Number: 20007001 B15

WARZYN

Developed By: D.A.P. Drawn By: D.L.L. Date:
Approved By:
References:
Revisions:

QUALITY CONTROL: Graphic Standards | Lead Professional | Technical Review | Project Manager | Management Review | Other

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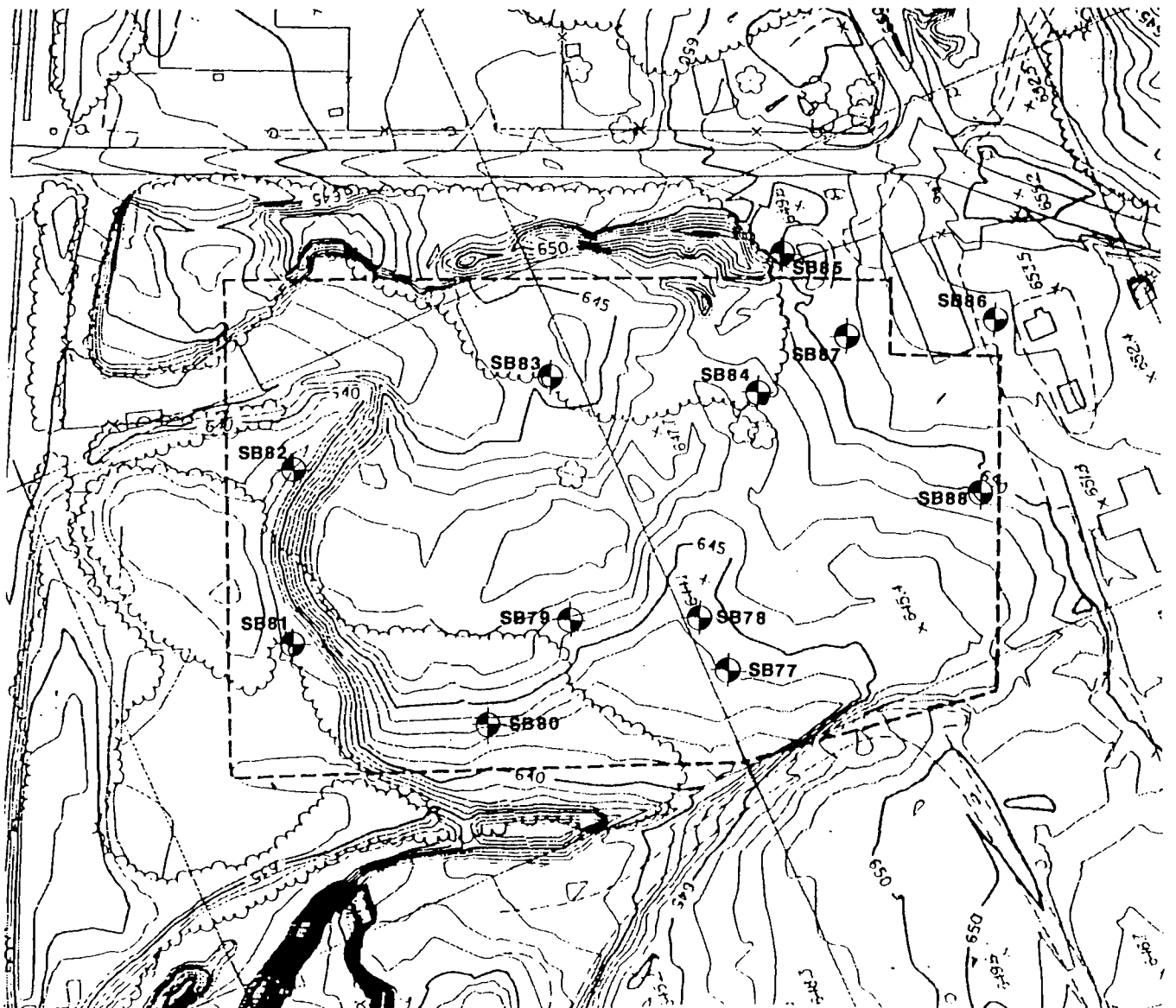

LEGEND

SB77 — SOIL BORING LOCATION AND NUMBER

NOTES

1. ALL SOIL BORING LOCATIONS ARE APPROXIMATE.

north

0 100 200

SCALE IN FEET

Developed By: DAP Drawn By: DLL

Approved By: Date:

References:

Revisions:

SOIL BORING LOCATION MAP - OFF-SITE CONTAINMENT AND KAPICA-PAZMEY AREAS

SUPPLEMENTAL SOIL SAMPLING
AMERICAN CHEMICAL SERVICES
NPL SITE
GRIFFITH, INDIANA

20007001 B14

QUALITY CONTROL: Graphic Standards | Technical Review | Management Review
Lead Professional | Project Manager | Other

A

DETAILED BORING LOGS

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LOG OF TEST BORING

Project: American Chemical Services
Off-Site Containment Area
Location: Griffith, Indiana

Boring No. SB77
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
						Vegetation, Brown Sand, Gravel and Clay, Black Discoloration		
1		3	M	4		FILL: Black Silty Sand, Pieces of Wood Chips (Organic Odor Present)	(--)	36
					5			
2		10	M	12		Grades into Brown Sandy Clay FILL at 6 Ft, Trace Silt	(--)	3
3		11	M	8		Organic Waste (Wood Chips) FILL: Brown Silty Fine Sand Grades to Black at 8.5 Ft	(--)	10
4		12	W	6		Organic Waste (Wood Chips 9-10')	(--)	11.5
					10	Grades into Loose Black Fine Silty Sand (SM) at 11 Ft		
5		20	W	9		Trace Clay; Black Fine Silty Sand (SM) Grades into Brown Silty Sand, Little Clay, Organic Debris	(--)	1
						End of Boring at 13 Feet Backfill Borehole with Bentonite Chips and Cave-in		
					15			

WATER LEVEL OBSERVATIONS

While Drilling ▽ 10.3 Upon Completion of Drilling ▼ 10.3
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/21/93 End 6/21/93 Drill
Driller E & F Chief DM Rig CME 750
Logger DAP Editor PMS
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Off-Site Containment Area
Location: Griffith, Indiana

Boring No. SB78
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	TYPE	Rec. (in.)	Mois-ture	N Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
						Vegetation, Gray Silt, Sand, Clay and Some Gravel (Fill)		
1	■	4	M	2		FILL: Brown to Gray Silty Fine Sand, Pieces of Newspaper, Sponges, and Plastic	(--)	--
						FILL: Brown to Black Silty Fine Sand with Clay, Wood Chips Present		
2	■	6	M	11	5		(--)	--
3	■	4	W	21	▽		(--)	126
						FILL: Gray, Black, Brown, Silty Sand, Pieces of Wood Chips		
4	■	14	W	12	10	Gray to Black Silty Fine Sand (SM) Some Black Streaks in Gray Sand	(--)	402
						End of Boring at 12 Feet Borehole Backfilled with Granular Bentonite and Cave-in		
					15			

WATER LEVEL OBSERVATIONS

While Drilling	▽ 8.0	Upon Completion of Drilling	▼ 8.0	
Time After Drilling				
Depth to Water				
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/21/93 End 6/21/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Off-Site Containment Area
Location: Griffith, Indiana

Boring No. SB79
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	TYPE	Rec. (in.)	Moisture	N Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
						Vegetation - Clay, Sand, Gravel (Fill)		
1		4	M	23		Gray Brown & Yellow Sandy Clay (Fill) Some Scattered Wood Chips	(--)	1
2		8	M	15	5	Brown Sandy Silt, Grades into Gray Sandy Clay (Fill)	(--)	ND
3		18	M	10		Wood Chips and Orange Brown Leaves grades into Gray and Black Stained Clay, Then Grades into Gray Silty Clay (Fill) Slight Waste Odor.	(--)	2.8
						Wood Chips Present Throughout		
4		0	W	12			(--)	--
5		0	W	3	10		(--)	--
					15	End of Boring at 12 Feet Backfill Borehole with Bentonite Chips and Cave-in Material		

WATER LEVEL OBSERVATIONS

While Drilling	8.8	Upon Completion of Drilling	8.8	
Time After Drilling				
Depth to Water				
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/21/93 End 6/21/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Off-Site Containment Area
Location: Griffith, Indiana

Boring No. SB80
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
						Vegetation Gray and Brown Sandy Clay (Fill)		
1		14	M	9		Grades into Brown, Black and Gray Fine Sand, Scattered Wood Chips and Bricks	(--)	ND
2		16	M	8	5	Gray Brown Clayey Sandy Silty, Trace Fine to Coarse Gravel (Fill), Trace Wood Chips (Metal Strip in Shoe)	(--)	ND
3		10	W	15		Gray to Black Silty Sand (Fill), Wood Chips, Little Clay	(--)	1
4		12	W	7	10	Loose Gray Silty Fine Sand (SM)	(--)	ND
5		20	W	15		Gray Fine to Medium Sand, Some Coarse Sand (SP)	(--)	ND
					15	End of Boring at 14 Feet Backfill Borehole with Bentonite Chips and Cave-in Soils		

WATER LEVEL OBSERVATIONS

While Drilling ▽ 8.0 Upon Completion of Drilling ▼ 8.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/21/93 End 6/21/93 Drill
Driller E & F Chief DM Rig CME 750
Logger DAP Editor PMS
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Off-Site Containment Area
Location: Griffith, Indiana

Boring No. SB81
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	Profile	VISUAL CLASSIFICATION and Remarks	Borehole Backfill	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Vegetation then Gray Brown Fine Sand (SP) and Little Clay			
1		20	M	4			Grades into Loose Black Fine Sand (SP) Trace Clay at 3 Feet, Slight Organic Odor		(--)	13.7
2		18	M/W	8	5		Gray Brown Sand CLAY (CL) Coarse Grades into Brown Fine Sand at 5 Feet then into Black Fine Sand at 5.5 Feet Trace Clay		(--)	2.0
							Medium Dense Brown Fine Sand (SP), Trace Clay Grades into Gray Fine Sand at 8 Feet			
3		18	W	14					(--)	2.0
4		20	W	15	10		Medium Dense Gray Fine Sand (SP) Slight Solvent Odor		(--)	36
					15		End of Boring at 11 Feet Cave in to 4.5 Feet with Sand Backfill Borehole with Granular Bentonite and Cave-in from Soils			

WATER LEVEL OBSERVATIONS

While Drilling ▽ 4.5 Upon Completion of Drilling ▼ 4.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Off-Site Containment Area
Location: Griffith, Indiana

Boring No. SB82
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	TYPE	Rec. (in.)	Moisture	N Value	Depth (ft.)	PROFILE	VISUAL CLASSIFICATION and Remarks	BORE HOLE BACKFILL	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Vegetation Then Gray Sandy Clay (CL)			
1		22	M	3			Brown and Gray Clay (CL) Little Silt, Some Black Staining and Roots Present		(--)	ND
2		22	M	3			Brown and Gray Clay (CL), Little Silt, Solvent-like Odor and Shine to Clay at 3.5 Feet		(--)	4
3		12	M/W	4	5		Grades into Gray Fine to Coarse Sand (SP) Trace Fine Gravel Solvent Odor and Sheen		(--)	1293
4			W	3			No Recovery		(--)	--
					10		End of Boring at 8 1/2 Feet Backfill with Granular Bentonite And Cave-in Soils			
					15					

WATER LEVEL OBSERVATIONS

While Drilling	5.9	Upon Completion of Drilling	5.9	
Time After Drilling				
Depth to Water				
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME 750
Logger DAP Editor PMS
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Off-Site Containment Area
Location: Griffith, Indiana

Boring No. SB83
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
						Vegetation Followed by Dark Brown and Gray Clayey Sand (SC)		
1		20	M	32		Dense Light Brown Fine Sand (SP), Trace Medium Sand	(--)	ND
2		16	M	7	5	Some Rust Mottling	(--)	ND
						Grades into Orange Brown Clayey Fine to Coarse Sand, Little Fine Gravel (SC)		
3		4	W	4	10	Dark Brown Fine to Medium Sand (SP) Grades into Gray (Solvent Odor) Trace Coarse Sand	(--)	63
4		4	W			Gray Fine to Coarse Sand (SP), Some Fine Gravel, Solvent Odor and Sheen Present	(--)	808
					15	End of Boring at 13 Feet Boring Backfilled with Granular Bentonite and Cave-in Soils		

WATER LEVEL OBSERVATIONS

While Drilling	▽ 7.2	Upon Completion of Drilling	▼ 7.2	
Time After Drilling				
Depth to Water				
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Kapica-Pazmey Area
Location: Griffith, Indiana

Boring No. SB84
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	TYPE	Rec. (in.)	Moisture	N Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
						Vegetation Followed by Gray, Brown and Black Clayey Sand (FILL) Debris Wood Chips, Paper, Plastic		
1		16	M	8	5	Medium Brown Fine Sand (SP) Little Medium to Coarse Sand, Trace Fine Gravel (Solvent Odor)	(--)	671
2		16	M	8		Medium Gray Brown Fine Sand (SP) Trace Medium to Coarse Sand, Some Black Streaks present Solvent Odor	(--)	195
3		16	M/W	9	10	Medium Brown Fine Sand (SP) Grades into Dark Gray Fine Sand, Black Streaks Scattered Throughout Sample	(--)	225
4		16	W	7		Grades into Gray to Black Fine to Coarse Sand at 12.5 Feet, Solvent Odor	(--)	--
					15	End of Boring at 13 Feet Backfill Borehole with Granular Bentonite and Cave-in Soils		

WATER LEVEL OBSERVATIONS

While Drilling	▽ 3.0	Upon Completion of Drilling	▼ 3.0	
Time After Drilling				
Depth to Water				
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

WARZYN

LOG OF TEST BORING

Project: American Chemical Services
Kapica-Pazmey Area
Location: Griffith, Indiana

Boring No. SB85
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	Profile	VISUAL CLASSIFICATION and Remarks	Borehole Backfill	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Vegetation Cover			
1		22	M	7			Loose Brown Fine Sand (SP)		(--)	0
2		22	M	7			Loose Brown Fine Sand (SP)		(--)	0
					5		End of Boring at 5 Feet Boring Backfilled with Granular Bentonite and Cuttings			
					10					
					15					

WATER LEVEL OBSERVATIONS

While Drilling ND Upon Completion of Drilling ND
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

WARZYN

LOG OF TEST BORING

Project: American Chemical Services
Kapica-Pazmey Area
Location: Griffith, Indiana

Boring No. SB86
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	PROFILE	VISUAL CLASSIFICATION and Remarks	BORE HOLE / BACKFILL	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Sand Gravel and Metal Debris			
1		22	M	5			Orange Brown Fine Sand (SP), Trace Black Streaks, Very Slight Odor		(--)	845
2		22	M	3			Coarse Brown Fine Sand (SP), Trace Fine Gravel		(--)	195
					5		End of Boring at 5 Feet Boring Backfilled with Granular Bentonite and Cuttings			
					10					
					15					

WATER LEVEL OBSERVATIONS

While Drilling ND Upon Completion of Drilling ND
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Kapica-Pazmey Area
Location: Griffith, Indiana

Boring No. SB87
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	Profile	VISUAL CLASSIFICATION and Remarks	Borehole Backfill	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Sand and Gravel Surface, Scattered Drum Lids (FILL)			
1		14	M	2	5		Orange-Brown Fine to Medium Sand (SP)		(--)	455
							Brown-Gray Clay (CL)			
							Light Brown Fine Sand (SP)			
2		14	M/W	4			Olive Gray Brown Sandy Clay (Solvent Odor)		(--)	698
3		16	M	11	10		Grades to Black Stained Fine SAND (SP), Trace Medium Sand, Solvent Odor From 8.5 to 9.5 Feet Dark Brown Fine to Medium SAND (SP), Trace Clay, Some Black Streaks and Solvent Odor Present		(--)	342
4		18	M/W	7			Light Brown Fine SAND (SP), Solvent Odor Present		(--)	28
5		20	W	5	15				(--)	32
							End of Boring at 15 Feet Backfill Borehole with Granular Bentonite and Cave-in Soils			

WATER LEVEL OBSERVATIONS

While Drilling ▽ 12.2 Upon Completion of Drilling ▼ 12.2
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

WARZYN

LOG OF TEST BORING

Project: American Chemical Services
Kapica-Pazmey Area
Location: Griffith, Indiana

Boring No. SB88
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	Profile	VISUAL CLASSIFICATION and Remarks	Borehole Backfill	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Refuse and Fill Material Consisting of Brown Sand and Clay			
					5					
1			M	10			Grades into Dark Brown to Brown Fine Sand (SP)		(--)	490
2			M	3	10		Brown Fine Sand (SP), Fine to Coarse, Solvent Odor		(--)	134
3			W	5			Brown Fine Sand, Some Medium to Coarse Sand (SP) Little Fine to Coarse Gravel, Solvent Odor		(--)	99
4			W	8			Gray Brown Fine Sand (SP), Little Medium to Coarse Sand, Trace Fine Gravel, Solvent Odor		(--)	36
					15		End of Boring at 14.5 Feet Borehole Backfilled With Bentonite Chips And Cave-in Soils			

WATER LEVEL OBSERVATIONS

While Drilling ▽ 3.0 Upon Completion of Drilling ▼ 3.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

WARZYN

LOG OF TEST BORING

Project: American Chemical Services
Kapica-Pazmey Area
Location: Griffith, Indiana

Boring No. SB88A
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	PROFILE	VISUAL CLASSIFICATION and Remarks	BOREHOLE BACKFILL	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Vegetation Followed by Sand, Clay, Gravel, and Garbage (Paper and Plastic) Logged by Cuttings			
1			M	6	5		No Recovery Stone Stuck in Shoe. Cuttings: Dark Brown Fine Sand		(--)	--
2			M	4			No Recovery		(--)	--
					10		End of Boring at 9 Feet Backfill Borehole with Bentonite Chips and Cave-in Soils			
					15					

WATER LEVEL OBSERVATIONS

While Drilling ▽ 3.0 Upon Completion of Drilling ▼ 3.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/23/93 End 6/23/93 Drill
Driller E & F Chief DM Rig CME 750
Logger DAP Editor PMS
Drill Method 2 1/4" IDHSA

WARZYN

LOG OF TEST BORING

Project: American Chemical Services
Still Bottoms/Treatment Lagoon
Location: Griffith, Indiana

Boring No. SB89
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	VISUAL CLASSIFICATION and Remarks	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
						Sand and Gravel Fill		
1			M	7		Black Stained Fine Sand (SP), Trace Medium to Coarse Sand, Trace Fine Gravel, Roots Present, Solvent Odor	(--)	28
2			W	7		Loose Dark Brown Stained Fine Sand (SP), Roots Present, Trace Medium to Coarse Sand, Trace Fine Gravel, Solvent Odor	(--)	111
					5			
3			W	9		Loose Gray Fine Sand (SP), Trace Medium to Coarse Sand, Solvent Odor	(--)	72
4			W	10		Grades into Gray Fine to Coarse Sand, (SP), Trace Fine to Coarse Gravel	(--)	57
					10	End of Boring at 10 Feet Backfill Borehole with Bentonite Chips and Soil from Area		

WATER LEVEL OBSERVATIONS

While Drilling ▽ 3.3 Upon Completion of Drilling ▼ 3.3
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/23/93 End 6/23/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

WARZYN

LOG OF TEST BORING

Project: American Chemical Services
Still Bottoms/Treatment Lagoon
Location: Griffith, Indiana

Boring No. SB90
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	Profile	VISUAL CLASSIFICATION and Remarks	Borehole	Backfill	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Sand and Gravel Fill				
1		20	M	5			Loose Dark Brown Fine Sand (SP) Solvent Odor, Tar-Like Feel to Sample			(--)	721
2		20	M	10			Medium Dense Dark Brown Fine Sand (SP) Tar-Like Substance Making Sample Sticky, Solvent Odor			(--)	40
					5						
3		20	W	11	▼		Medium Dense Olive Brown Gray Fine Sand (SP) Solvent Odor, Black Tar-Like Staining			(--)	3
4		16	W	11						(--)	3
					10		End of Boring at 10 Feet Backfill Borehole with Soil From Area				

WATER LEVEL OBSERVATIONS

While Drilling ▽ 6.0 Upon Completion of Drilling ▼ 6.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Still Bottoms/Treatment Lagoon
Location: Griffith, Indiana

Boring No. SB91
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	PROFILE	VISUAL CLASSIFICATION and Remarks	BORE HOLE BACKFILL	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Sand and Gravel (FILL)			
1		18	M	5			Loose Dark Brown Fine Sand (SP) Trace to Little Medium to Coarse Sand and fine Gravel, Solvent Odor, Little Black Staining		(--)	599
2		18	M	4			Grades into Loose Black Fine Sand (SP) at 4.0 Feet, Little Silt and Clay, Roots Present, Solvent Odor		(--)	284
					5					
3		22	W	8			Loose Dark Brown Fine Sand (SP) Trace Medium to Coarse Sand, Trace fine Gravel, Solvent Odor		(--)	59
4		20	W	11					(--)	22
					10		End of Boring at 10 Feet Backfill Borehole with Soil From Area			

WATER LEVEL OBSERVATIONS

While Drilling ▽ 6.0 Upon Completion of Drilling ▼ 6.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Still Bottoms/Treatment Lagoon
Location: Griffith, Indiana

Boring No. SB92
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	PROFILE	VISUAL CLASSIFICATION and Remarks	BORE HOLE BACKFILL	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Gravel Surface			
1		22	M	6			Loose Black Stained Fine Sand (SP) Little Silt and Clay, Roots Present in 1 - 2 Foot Section, Solvent Odor		(--)	19
2		22	M	5			Loose Black Stained Fine Sand (SP) Little Silt and Clay, Roots Present, Solvent Odor, Tar-Like Consistency to Soils		(--)	455
					5					
3		19	W	10			Medium Dense Dark Brown Stained Fine Sand (SP), Trace Silt, Solvent Odor		(--)	321
4		20	W	25			Black Oily Sand with Tar-Like Substance from 8' to 9' Gray Fine Sand (SP), Sand Black Staining and Streaks		(--)	479
					10		End of Boring at 10 Feet Backfill with Surrounding Soils			

WATER LEVEL OBSERVATIONS

While Drilling 6.0 Upon Completion of Drilling 6.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/23/93 End 6/23/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
Still Bottoms/Treatment Lagoon
Location: Griffith, Indiana

Boring No. SB93
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	Profile	VISUAL CLASSIFICATION and Remarks	Borehole	Backfill	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Sand and Gravel				
1		20	M	5			Orange Brown Fine SAND (SP), Strong Solvent Odor			(--)	1007
2		18	W	7			Loose Orange Brown Fine SAND Grading to Light Brown Fine SAND (SP) at 4 Feet			(--)	1214
					5						
3		20	W	9			Loose Orange Brown Fine SAND (SP), Solvent Odor, Little Gray and Black Streaks Present			(--)	384
							End of Boring at 8 Feet Boring Backfilled with Granular Bentonite and Soil from Surrounding Areas				
					10						

WATER LEVEL OBSERVATIONS

While Drilling ▽ 3.0 Upon Completion of Drilling ▼ 3.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/23/93 End 6/23/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

WARZYN

LOG OF TEST BORING

Project: American Chemical Services
Still Bottoms/Treatment Lagoon
Location: Griffith, Indiana

Boring No. SB94
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	PROFILE	VISUAL CLASSIFICATION and Remarks	BORE HOLE BACKFILL	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Sand and Gravel Surface			
1		10	M/W	11			Black Fine Sand and Gravel (SP) to 2 Feet Orange Brown Fine to Coarse Sand (SP)		(--)	1231
2		20	W	7			Loose Orange Brown Fine to Coarse Sand (SP), Some Fine to Coarse Gravel, Oily Varnish Substance Present, Solvent Odor		(--)	1000
					5					
3		16	W	4			Orange Brown - Varnish Stained Fine to Coarse Sand Little Fine to Coarse Gravel, Strong Odor		(--)	1468
					10		End of Boring at 8 Feet Boring Backfilled with Granular Bentonite and Soil From Surrounding Area			

WATER LEVEL OBSERVATIONS

While Drilling ▽ 3.0 Upon Completion of Drilling ▼ 3.0
Time After Drilling
Depth to Water
Depth to Cave in

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/23/93 End 6/23/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2 1/4" IDHSA

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LOG OF TEST BORING

Project: American Chemical Services
On-Site Containment Area
Location: Griffith, Indiana

Boring No. SB95
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	Profile	VISUAL CLASSIFICATION and Remarks	Borehole Backfill	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Sand and Gravel Surface			
1		22	M/W	9			Loose Gray Fine SAND (SP), Slight Solvent Odor		(--)	472
3		22	W	5			Loose Gray Brown to Gray Fine to Medium SAND (SP), Little Clay, Solvent-Like Odor, Some Black Staining of Sands		(--)	342
					5		End of Boring at 5 Feet Borehole Backfilled with Bentonite Chips and Soils from Surrounding Area			

WATER LEVEL OBSERVATIONS

While Drilling	▽ 2.0	Upon Completion of Drilling	▼ 2.0	
Time After Drilling				
Depth to Water				
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2-1/4" ID HS A

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LOG OF TEST BORING

Project: American Chemical Services
On-Site Containment Area
Location: Griffith, Indiana

Boring No. SB96
Surface Elevation
Job No. 20007001
Sheet 1 of 1

2100 CORPORATE DRIVE - ADDISON, ILLINOIS 60101 - TEL. (708) 691-5000

SAMPLE Number	Type	Rec. (in.)	Moisture	N Value	Depth (ft.)	PROFILE	VISUAL CLASSIFICATION and Remarks	BORE HOLE / BACKFILL	SOIL PROPERTIES qu (qa) (tsf)	PID (ppm)
							Gravel and Brown Sand Surface			
1		18	M	4			Loose Brown Fine SAND (SP), Trace Medium to Coarse Sand, Trace Gravel		(--)	ND
2		14	W	3			Loose Brown to Olive, Fine to Coarse SAND (SP), Little Clay, Solvent Odor (Olive Staining)		(--)	4
					5		End of Boring at 5 Feet Boring Backfilled with Bentonite Chips and Soil from Surrounding Area			

WATER LEVEL OBSERVATIONS

While Drilling	▽ 1.7	Upon Completion of Drilling	▼ 1.7	
Time After Drilling				
Depth to Water				
Depth to Cave in				

The stratification lines represent the approximate boundary between soil types; the actual transition may be gradual.

GENERAL NOTES

Begin 6/22/93 End 6/22/93 Drill
Driller E & F Chief DM Rig CME
Logger DAP Editor PMS 750
Drill Method 2-1/4" ID HS A

B

Analytical Results

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LABORATORY TRANSMITTAL
20007001
AMERICAN CHEMICAL SERVICES

OGIN (# OF SAMPLES): 6941 (41)

AMPLE DATE: 21-JUN-93 TO 24-JUN-93

ATRIX: Solid

EPORT: COMPLETE

REISSUE

PARTIAL 7/12/93

DATE: 12-JUL-93

TO: Marty Hampel

OFFICE: MADISON CHICAGO
DETROIT MILWAUKEE
PHILADELPHIA OHIO
CALIFORNIA

MMENTS:

======== IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CALL DENNIS LINLEY OR JIM KNAPP AT (608)231-4755. ==========

ceived Date: 24-JUN-93
port Due Date: 08-JUL-93
mments: QA/QC THIS SAMPLE

TEST RESULTS ENCLOSED OR PREVIOUSLY REPORTED

bcontract Work:

ils:

ganic: PCBSANAL-38 SVPPANAL-38 VOCSUNPRES-38

et Chem: TS-38

tals:

OUTSTANDING TEST RESULTS

bcontract Work:

ils:

ganic:

t Chem:

tals:

WARZYN

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==========
LABORATORY TRANSMITTAL
20007001
AMERICAN CHEMICAL SERVICES
==========

LOGIN (# OF SAMPLES): 6941 (41)

DATE: 13-JUL-93

SAMPLE DATE: 21-JUN-93 TO 24-JUN-93

TO: Marty Hamper

MATRIX: Solid

REPORT: COMPLETE

REISSUE

PARTIAL _____

OFFICE: MADISON CHICAGO
DETROIT MILWAUKEE
PHILADELPHIA OHIO
CALIFORNIA

COMMENTS: _____

========== IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CALL DENNIS LINLEY OR JIM KNAPP AT (608)231-4755. ==========

Received Date: 24-JUN-93
Report Due Date: 08-JUL-93
Comments: QA/QC THIS SAMPLE

TEST RESULTS ENCLOSED OR PREVIOUSLY REPORTED

Subcontract Work:

Soils:

page 10 only

Organic: PCBSANAL-38 SVPPANAL-38 VOCSUNPRES-38

Wet Chem: TS-38

Metals:

OUTSTANDING TEST RESULTS

Subcontract Work:

Soils:

Organic:

Wet Chem:

Metals:

WARZYN

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==========
LABORATORY TRANSMITTAL
20007001
AMERICAN CHEMICAL SERVICES
==========

LOGIN (# OF SAMPLES): 6941 (41)

DATE: 21-JUL-93

SAMPLE DATE: 21-JUN-93 TO 24-JUN-93

TO: Marty Hamper

MATRIX: Solid

REPORT: COMPLETE

REISSUE

PARTIAL _____

OFFICE: MADISON CHICAGO
DETROIT MILWAUKEE
PHILADELPHIA OHIO
CALIFORNIA

COMMENTS: _____

========== IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CALL DENNIS LINLEY OR JIM KNAPP AT (608)231-4755. ==========

Received Date: 24-JUN-93
Report Due Date: 08-JUL-93
Comments: QA/QC THIS SAMPLE

TEST RESULTS ENCLOSED OR PREVIOUSLY REPORTED

Subcontract Work:

Soils:

page 6 only

Organic: PCBSANAL-38 SVPPANAL-38 VOCSUNPRES-38

Wet Chem: TS-38

Metals:

OUTSTANDING TEST RESULTS

Subcontract Work:

Soils:

Organic:

Wet Chem:

Metals:

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LABORATORY TRANSMITTAL
20007001
AMERICAN CHEMICAL SERVICES

LOGIN (# OF SAMPLES): 6941 (41)

DATE: 28-JUL-93

SAMPLE DATE: 21-JUN-93 TO 24-JUN-93

TO: Marty Hampel
Dave Piecyzynski

MATRIX: Solid

REPORT: COMPLETE

REISSUE

PARTIAL _____

OFFICE: MADISON CHICAGO
DETROIT MILWAUKEE
PHILADELPHIA OHIO
CALIFORNIA

COMMENTS: Corrected sample description for 6941-0225.

========== IF YOU HAVE ANY QUESTIONS, PLEASE FEEL FREE TO CALL DENNIS LINLEY OR JIM KNAPP AT (608)231-4755. ==========

Received Date: 24-JUN-93
Report Due Date: 08-JUL-93
Comments: QA/QC THIS SAMPLE

TEST RESULTS ENCLOSED OR PREVIOUSLY REPORTED

Subcontract Work:

Soils:

Organic: PCBSANAL-38 page 11 SVPPANAL-38 page 78 VOCSUNPRES-38 page 40

Wet Chem: TS-38 page 2

Metals:

OUTSTANDING TEST RESULTS

Subcontract Work:

Soils:

Organic:

Wet Chem:

Metals:

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STANDARD REPORT FOOTNOTES

A1 Elevated quantitation limit due to low sample volume.

A2 Elevated quantitation limit necessary to overcome interference.

A3 Elevated quantitation limit necessary to overcome difficult matrix.

A4 Result should be considered estimated with possible low bias due to unknown interference.

A5 Result should be considered estimated with possible low bias due to difficult matrix.

A6 Result should be considered estimated with possible low bias as indicated by method QC.

A7 Result should be considered estimated with possible high bias due to unknown interference.

A8 Result should be considered estimated with possible high bias due to difficult matrix.

A9 Result should be considered estimated with possible high bias as indicated by method QC.

A10 Result should be considered estimated due to non-homogeneous sample matrix.

A11 Sample received past recommended hold time.

A12 Analysis requested past recommended hold time.

A13 Initial analysis performed within hold time; confirmation analysis performed past recommended hold time. Results from repeat analysis are reported.

A14 Initial analysis performed within hold time; necessary dilution performed past recommended hold time. Results from repeat analysis are reported.

A15 Result should be considered estimated with possible high bias; analyte detected in method blank.

A16 Elevated quantitation limit indicated by batch QC.

M2 Total analysis performed; total concentration indicates that TCLP regulatory level could not be exceeded.

W1 Sample contained <0.5% solids; filtered sample was analyzed as the TCLP extract.

G1 Result should be considered estimated, concentration exceeds working calibration range.

G2 Elevated quantitation limit due to the concentration of petroleum hydrocarbons in the sample.

G3 Elevated quantitation limit due to the concentration of non-specific hydrocarbons in the sample.

G4 Analyte coelutes with _____; result calculated from calibration standards in a 1:1 ratio of these two compounds.

G5 Sample required extensive cleanup; Endrin Aldehyde is not recovered from these techniques.

G6 Petroleum-type odor detected from this sample.

G7 Elevated quantitation limit due to the concentration of PCBs in the sample.

G8 Result should be considered estimated with possible high bias due to coelution with an additional hydrocarbon product.

G9 Results are influenced by the presence of extraneous peaks which are not representative of petroleum hydrocarbon products.

G10 Presence of one or more unidentified peaks eluting earlier than the retention time window.

G11 Presence of one or more unidentified peaks eluting later than the retention time window.

G12 Result is estimated. The method used is a screening procedure for this compound.

G13 Measurement performed using test strips.

G14 Measurement upon receipt performed using test strips.

G15 n-Nitrosodiphenylamine decomposes in the GC inlet and cannot be separated from Diphenylamine.

G16 Measurement upon receipt performed using test strips. Adjusted to pH <2.

G17 Results are influenced by the presence of extraneous peaks which are not representative of petroleum hydrocarbon products. Final results pending GC/MS confirmation.

WARZYN

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METHOD REFERENCES

Analytes	Aqueous	Non-Aqueous
Acidity	305.2	-
Alkalinity, Total	310.1 / 310.2	-
Alkalinity, Phenolphthalein	SM2320	-
Alkalinity, Bicarbonate	SM2320	-
Alkalinity, Carbonate	SM2320	-
BOD-5 day	405.1	-
Boron	212.3	-
Carbon, Percent Organic	-	29-3.5.3
Carbon, Total Organic (TOC)	415.1	-
Chloride	325.2	-
Chlorine, Residual	330.3	-
Chromium, Hexavalent	SM3500D	-
COD	410.4	-
Cyanide, Total	335.3	9012
Cyanide, Amenable	335.1	9012
Cyanide, Reactive	SW7.3	SW7.3
Density	SM2710F	SM2710F
Flashpoint, Closed Cup	SW1010	SW1010
Flashpoint, Open Cup	ASTMD4206	ASTMD4206
Fluoride	340.2	-
Hardness, Total	130.1	-
Nitrogen, Ammonia	350.2	350.2
Nitrogen, Nitrate	353.2	-
Nitrogen, Nitrite	353.2	-
Nitrogen, Nitrate+Nitrite	353.2	-
Nitogen, Total Kjeldahl (TKN)	351.3	351.3
Nitrogen, Total Organic (TON)	350.2 & 351.3	350.2 & 351.3
Oil & grease	413.1	9071
Paint Filter Test	9095	9095
pH	150.1	9045
Phenol, Total	420.2	9066
Phosphorus, Total	365.1	365.1
Phosphorus, Ortho	365.2	-
Solids, Total Dissolved	160.1	-
Solids, Total Suspended	160.2	-
Solids, Total	160.3	160.3
Solids, Total Volatile	160.4	-
Specific Conductance	120.1	-
Specific Weight	SM2710F	SM2710F
Sulfate	375.2	-
Sulfide, Total	376.1	9030
Sulfide, Reactive	SW7.3	SW7.3
Turbidity	180.1	-
TRPH	418.1 & 9073	418.1 & 9073

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Chemical Analysis of Water and Wastes", March 1984.

Standard Methods for the Examination of Water and Wastewater", 17th Edition, 1989.

ASTM, Annual Book of American Society for Testing and Materials Standards, 1983, Volume 6.01.

Methods for Soil Analysis, 2nd Ed.

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METHOD REFERENCES

Compounds	Soil/Groundwater	Wastewater
Alcohol	8015*	8015*
BEXT	8020***	602
DRO	Modified DRO	Modified DRO
GRO	Modified GRO***	Modified GRO
Herbicides	8150	8150
Pesticides	8080	608
Pesticide/PCBs	8080	608
PCBs	8080**	608
PCBs	8080****	608
PCP Screen	8040****	8040****
PNA (GC/MS)	8270	8270
PNA (HPLC)	8310	8310
PVOCs	8020***	8020
SVOCs	8270	8270
TPH	D-3328-78*	D-3328-78*
TRPH	418.1 & 9073	418.1 & 9073
VOCs	8021	8021
VOCs	8010/8020***	601/602

SW846, "Test Methods for Evaluating Solid Waste", 3rd Ed., December 1987.

EPA-600, "Methods for Organic Chemical Analysis of Water and Wastes", March, 1984.

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Wisconsin DNR Modified 9073 TRPH, PUBL-SW-140, Wisconsin DNR, April 1992.

Wisconsin DNR Modified DRO, PUBL-SW-141, Wisconsin DNR, April 1992.

Wisconsin DNR Modified GRO, PUBL-SW-140, Wisconsin DNR, April 1992.

* With Modifications
** With Modfications for Oil Matrix
*** With Modfications for Soil Gas Matrix
**** With Modifications for Wipe Matrix

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INORGANIC REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Sample Date	Analysis Date
6941-0001	ACS-SSSB88-7.5	Solids, Total	81.7	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0002	ACS-SSSB77-7'	Solids, Total	62.5	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0003	ACS-SSSB77-9'	Solids, Total	71.1	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0004	ACS-SSSB82-4.5	Solids, Total	82.2	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0005	ACS-SSSB82-6.5	Solids, Total	77	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0006	ACS-SSSB87-7'	Solids, Total	82	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0007	ACS-SSSB80-8	Solids, Total	79	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0008	ACS-SSSB79-6	Solids, Total	80.4	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0009	ACS-SSSB79-8	Solids, Total	85.8	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0010	ACS-SSSB78-7	Solids, Total	59.9	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0011	ACS-SSSB80-6	Solids, Total	85.9	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0012	ACS-SSSB78-10	Solids, Total	85.1	.5	Solid	%	21-JUN-93	30-JUN-93
6941-0013	ACS-SSSB87-11'	Solids, Total	86.4	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0014	ACS-SSSB83-6.5	Solids, Total	89.6	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0015	ACS-SSSB83-10.5	Solids, Total	87.8	.5	Solid	%	22-JUN-93	01-JUL-93
6941-0016	ACS-SSSB83-6.5(91)	Solids, Total	85.3	.5	Solid	%	22-JUN-93	01-JUL-93
6941-0017	ACS-SSSB81-4	Solids, Total	81	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0018	ACS-SSSB96-3'	Solids, Total	84	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0019	ACS-SSSB85-5'	Solids, Total	92.3	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0020	ACS-SSSB89-3'	Solids, Total	90.5	.5	Solid	%	23-JUN-93	30-JUN-93
6941-0021	ACS-SSSB95-3'	Solids, Total	84.1	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0022	ACS-SSSB89-5'	Solids, Total	84.8	.5	Solid	%	23-JUN-93	30-JUN-93

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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Date Issued: 7/12/93

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INORGANIC REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Sample Date	Analysis Date
6941-0023	ACS-SSSB89-5'(91)	Solids, Total	81.7	.5	Solid	%	23-JUN-93	30-JUN-93
6941-0024	ACS-SSSB88-10.5	Solids, Total	90.5	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0025	ACS-SSSB81-6	Solids, Total	63.1	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0026	ACS-SSSB84-5'	Solids, Total	81.7	.5	Solid	%	22-JUN-93	30-JUN-93
[illegible]-0027	ACS-SSSB90-3'	Solids, Total	82.5	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0028	ACS-SSSB90-5'	Solids, Total	87.4	.5	Solid	%	22-JUN-93	01-JUL-93
6941-0029	ACS-SSSB90-5'(91)	Solids, Total	81.2	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0030	ACS-SSSB91-3'	Solids, Total	88.9	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0031	ACS-SSSB86-3'	Solids, Total	94.4	.5	Solid	%	22-JUN-93	01-JUL-93
6941-0032	ACS-SSSB91-5'	Solids, Total	77.8	.5	Solid	%	22-JUN-93	30-JUN-93
6941-0033	ACS-SSSB92-3'	Solids, Total	86.5	.5	Solid	%	23-JUN-93	30-JUN-93
6941-0034	ACS-SSSB92-5'	Solids, Total	80.8	.5	Solid	%	23-JUN-93	30-JUN-93
6941-0035	ACS-SSSB93-3'	Solids, Total	88	.5	Solid	%	23-JUN-93	30-JUN-93
6941-0036	ACS-SSSB93-5'	Solids, Total	81.1	.5	Solid	%	23-JUN-93	30-JUN-93
6941-0037	ACS-SSSB94-3'	Solids, Total	86.1	.5	Solid	%	23-JUN-93	30-JUN-93
6941-0038	ACS-SSSB94-5'	Solids, Total	86.6	.5	Solid	%	23-JUN-93	30-JUN-93

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0001	ACS-SSSB88-7.5	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	4200	10	Solid	ug/kg	
		PCB-1248	< 1000	10	Solid	ug/kg	G7
		PCB-1254	7400	20	Solid	ug/kg	
		PCB-1260	< 2000	20	Solid	ug/kg	G7
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0002	ACS-SSSB77-7'	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0003	ACS-SSSB77-9'	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	< 1000	10	Solid	ug/kg	G7
		PCB-1248	< 1000	10	Solid	ug/kg	G7
		PCB-1254	6300	20	Solid	ug/kg	
		PCB-1260	4100	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0004	ACS-SSSB82-4.5	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0005	ACS-SSSB82-6.5	PCB-1016	< 100	10	Solid	ug/kg	G7
		PCB-1221	< 200	20	Solid	ug/kg	G7
		PCB-1232	< 200	20	Solid	ug/kg	G7
		PCB-1242	< 100	10	Solid	ug/kg	G7
		PCB-1248	< 100	10	Solid	ug/kg	G7
		PCB-1254	2000	20	Solid	ug/kg	
		PCB-1260	520	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0006	ACS-SSSB87-7'	PCB-1016	< 500	10	Solid	ug/kg	G7
		PCB-1221	< 1000	20	Solid	ug/kg	G7
		PCB-1232	< 1000	20	Solid	ug/kg	G7
		PCB-1242	< 500	10	Solid	ug/kg	G7
		PCB-1248	< 500	10	Solid	ug/kg	G7
		PCB-1254	1300	20	Solid	ug/kg	
		PCB-1260	< 1000	20	Solid	ug/kg	G7
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 07-JUL-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0007	ACS-SSSB80-8	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0008	ACS-SSSB79-6	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	22	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0009	ACS-SSSB79-8	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	150	20	Solid	ug/kg	
		PCB-1260	63	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
Wi Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0010	ACS-SSSB78-7	PCB-1016	< 500000	10	Solid	ug/kg	G7
		PCB-1221	< 1000000	20	Solid	ug/kg	G7
		PCB-1232	< 1000000	20	Solid	ug/kg	G7
		PCB-1242	< 500000	10	Solid	ug/kg	G7
		PCB-1248	< 500000	10	Solid	ug/kg	G7
		PCB-1254	< 1000000	20	Solid	ug/kg	G7
		PCB-1260	3400000	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0011	ACS-SSSB80-6	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	64	20	Solid	ug/kg	
		PCB-1260	40	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0012	ACS-SSSB78-10	PCB-1016	< 500	10	Solid	ug/kg	G7
		PCB-1221	< 1000	20	Solid	ug/kg	G7
		PCB-1232	< 1000	20	Solid	ug/kg	G7
		PCB-1242	< 500	10	Solid	ug/kg	G7
		PCB-1248	< 500	10	Solid	ug/kg	G7
		PCB-1254	< 1000	20	Solid	ug/kg	G7
		PCB-1260	4500	20	Solid	ug/kg	
		Sample Date: 21-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0013	ACS-SSSB87-11'	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0014	ACS-SSSB83-6.5	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	110	20	Solid	ug/kg	
		PCB-1260	52	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0015	ACS-SSSB83-10.5	PCB-1016	< 100	10	Solid	ug/kg	G7
		PCB-1221	< 200	20	Solid	ug/kg	G7
		PCB-1232	< 200	20	Solid	ug/kg	G7
		PCB-1242	< 100	10	Solid	ug/kg	G7
		PCB-1248	< 100	10	Solid	ug/kg	G7
		PCB-1254	2100	20	Solid	ug/kg	
		PCB-1260	1300	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0016	ACS-SSSB83-6.5(91)	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 30-JUN-93					
6941-0017	ACS-SSSB81-4	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0018	ACS-SSSB96-3'	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 07-JUL-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0019	ACS-SSSB85-5'	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0020	ACS-SSSB89-3'	PCB-1016	< 10000	10	Solid	ug/kg	G7
		PCB-1221	< 20000	20	Solid	ug/kg	G7
		PCB-1232	< 20000	20	Solid	ug/kg	G7
		PCB-1242	< 10000	10	Solid	ug/kg	G7
		PCB-1248	67000	10	Solid	ug/kg	
		PCB-1254	20000	20	Solid	ug/kg	
		PCB-1260	< 20000	20	Solid	ug/kg	G7
		Sample Date: 23-JUN-93					
		Extract Date: 29-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0021	ACS-SSSB95-3'	PCB-1016	< 10	10	Solid	ug/kg	
		PCB-1221	< 20	20	Solid	ug/kg	
		PCB-1232	< 20	20	Solid	ug/kg	
		PCB-1242	< 10	10	Solid	ug/kg	
		PCB-1248	< 10	10	Solid	ug/kg	
		PCB-1254	< 20	20	Solid	ug/kg	
		PCB-1260	< 20	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0022	ACS-SSSB89-5'	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	< 1000	10	Solid	ug/kg	G7
		PCB-1248	11000	10	Solid	ug/kg	
		PCB-1254	3800	20	Solid	ug/kg	
		PCB-1260	< 2000	20	Solid	ug/kg	G7
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 01-JUL-93					
6941-0023	ACS-SSSB89-5'(91)	PCB-1016	< 100	10	Solid	ug/kg	G7
		PCB-1221	< 200	20	Solid	ug/kg	G7
		PCB-1232	< 200	20	Solid	ug/kg	G7
		PCB-1242	< 100	10	Solid	ug/kg	G7
		PCB-1248	1200	10	Solid	ug/kg	
		PCB-1254	880	20	Solid	ug/kg	
		PCB-1260	< 200	20	Solid	ug/kg	G7
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 01-JUL-93					
6941-0024	ACS-SSSB88-10.5	PCB-1016	< 10	10	Solid	ug/kg	(a)
		PCB-1221	< 20	20	Solid	ug/kg	(a)
		PCB-1232	< 20	20	Solid	ug/kg	(a)
		PCB-1242	< 10	10	Solid	ug/kg	(a)
		PCB-1248	40	10	Solid	ug/kg	(a)
		PCB-1254	35	20	Solid	ug/kg	(a)
		PCB-1260	< 20	20	Solid	ug/kg	(a)
		Sample Date: 22-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					

(a) Analysis performed past recommended hold time.

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0025	ACS-SSSB81-6	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	< 1000	10	Solid	ug/kg	G7
		PCB-1248	< 1000	10	Solid	ug/kg	G7
		PCB-1254	14000	20	Solid	ug/kg	
		PCB-1260	< 2000	20	Solid	ug/kg	G7
		Sample Date: 22-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0026	ACS-SSSB84-5'	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	< 1000	10	Solid	ug/kg	G7
		PCB-1248	3000	10	Solid	ug/kg	
		PCB-1254	< 2000	20	Solid	ug/kg	G7
		PCB-1260	7400	20	Solid	ug/kg	
		Sample Date: 22-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0027	ACS-SSSB90-3'	PCB-1016	< 10000	10	Solid	ug/kg	G7
		PCB-1221	< 20000	20	Solid	ug/kg	G7
		PCB-1232	< 20000	20	Solid	ug/kg	G7
		PCB-1242	< 10000	10	Solid	ug/kg	G7
		PCB-1248	70000	10	Solid	ug/kg	
		PCB-1254	32000	20	Solid	ug/kg	
		PCB-1260	< 20000	20	Solid	ug/kg	G7
		Sample Date: 22-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0028	ACS-SSSB90-5'	PCB-1016	< 5000	10	Solid	ug/kg	G7
		PCB-1221	< 10000	20	Solid	ug/kg	G7
		PCB-1232	< 10000	20	Solid	ug/kg	G7
		PCB-1242	100000	10	Solid	ug/kg	
		PCB-1248	< 5000	10	Solid	ug/kg	G7
		PCB-1254	18000	20	Solid	ug/kg	
		PCB-1260	< 10000	20	Solid	ug/kg	G7
		Sample Date:	22-JUN-93				
		Extract Date:	30-JUN-93				
		Analysis Date:	07-JUL-93				
6941-0029	ACS-SSSB90-5'(91)	PCB-1016	< 2500	10	Solid	ug/kg	G7
		PCB-1221	< 5000	20	Solid	ug/kg	G7
		PCB-1232	< 5000	20	Solid	ug/kg	G7
		PCB-1242	< 2500	10	Solid	ug/kg	G7
		PCB-1248	41000	10	Solid	ug/kg	
		PCB-1254	16000	20	Solid	ug/kg	
		PCB-1260	< 5000	20	Solid	ug/kg	G7
		Sample Date:	22-JUN-93				
		Extract Date:	30-JUN-93				
		Analysis Date:	07-JUL-93				
6941-0030	ACS-SSSB91-3'	PCB-1016	< 10000	10	Solid	ug/kg	G7
		PCB-1221	< 20000	20	Solid	ug/kg	G7
		PCB-1232	< 20000	20	Solid	ug/kg	G7
		PCB-1242	< 10000	10	Solid	ug/kg	G7
		PCB-1248	< 10000	10	Solid	ug/kg	G7
		PCB-1254	39000	20	Solid	ug/kg	
		PCB-1260	< 20000	20	Solid	ug/kg	G7
		Sample Date:	22-JUN-93				
		Extract Date:	30-JUN-93				
		Analysis Date:	01-JUL-93				

Note: Results in ug/kg are reported on a dry weight basis.

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PCB REPORT
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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0031	ACS-SSSB86-3'	PCB-1016	< 100	10	Solid	ug/kg	G7
		PCB-1221	< 200	20	Solid	ug/kg	G7
		PCB-1232	< 200	20	Solid	ug/kg	G7
		PCB-1242	< 100	10	Solid	ug/kg	G7
		PCB-1248	160	10	Solid	ug/kg	
		PCB-1254	< 200	20	Solid	ug/kg	G7
		PCB-1260	< 200	20	Solid	ug/kg	G7
		Sample Date: 22-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0032	ACS-SSSB91-5'	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	< 1000	10	Solid	ug/kg	G7
		PCB-1248	10000	10	Solid	ug/kg	
		PCB-1254	3300	20	Solid	ug/kg	
		PCB-1260	< 2000	20	Solid	ug/kg	G7
		Sample Date: 22-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0033	ACS-SSSB92-3'	PCB-1016	< 2500	10	Solid	ug/kg	G7
		PCB-1221	< 5000	20	Solid	ug/kg	G7
		PCB-1232	< 5000	20	Solid	ug/kg	G7
		PCB-1242	28000	10	Solid	ug/kg	
		PCB-1248	< 2500	10	Solid	ug/kg	G7
		PCB-1254	6100	20	Solid	ug/kg	
		PCB-1260	< 5000	20	Solid	ug/kg	G7
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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PCB REPORT
AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0034	ACS-SSSB92-5'	PCB-1016	< 100	10	Solid	ug/kg	A2
		PCB-1221	< 200	20	Solid	ug/kg	A2
		PCB-1232	< 200	20	Solid	ug/kg	A2
		PCB-1242	< 100	10	Solid	ug/kg	A2
		PCB-1248	< 100	10	Solid	ug/kg	A2
		PCB-1254	< 200	20	Solid	ug/kg	A2
		PCB-1260	< 200	20	Solid	ug/kg	A2
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 01-JUL-93					
6941-0035	ACS-SSSB93-3'	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	< 1000	10	Solid	ug/kg	G7
		PCB-1248	10000	10	Solid	ug/kg	
		PCB-1254	4300	20	Solid	ug/kg	
		PCB-1260	< 2000	20	Solid	ug/kg	G7
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 01-JUL-93					
6941-0036	ACS-SSSB93-5'	PCB-1016	< 1000	10	Solid	ug/kg	G7
		PCB-1221	< 2000	20	Solid	ug/kg	G7
		PCB-1232	< 2000	20	Solid	ug/kg	G7
		PCB-1242	3400	10	Solid	ug/kg	
		PCB-1248	< 1000	10	Solid	ug/kg	G7
		PCB-1254	1900	20	Solid	ug/kg	
		PCB-1260	< 2000	20	Solid	ug/kg	G7
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 01-JUL-93					

Note: Results in ug/kg are reported on a dry weight basis.

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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0037	ACS-SSSB94-3'	PCB-1016	< 100	10	Solid	ug/kg	A2
		PCB-1221	< 200	20	Solid	ug/kg	A2
		PCB-1232	< 200	20	Solid	ug/kg	A2
		PCB-1242	< 100	10	Solid	ug/kg	A2
		PCB-1248	< 100	10	Solid	ug/kg	A2
		PCB-1254	< 200	20	Solid	ug/kg	A2
		PCB-1260	< 200	20	Solid	ug/kg	A2
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					
6941-0038	ACS-SSSB94-5'	PCB-1016	< 1000	10	Solid	ug/kg	A2
		PCB-1221	< 2000	20	Solid	ug/kg	A2
		PCB-1232	< 2000	20	Solid	ug/kg	A2
		PCB-1242	< 1000	10	Solid	ug/kg	A2
		PCB-1248	< 1000	10	Solid	ug/kg	A2
		PCB-1254	< 2000	20	Solid	ug/kg	A2
		PCB-1260	< 2000	20	Solid	ug/kg	A2
		Sample Date: 23-JUN-93					
		Extract Date: 30-JUN-93					
		Analysis Date: 07-JUL-93					

Note: Results in ug/kg are reported on a dry weight basis.

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AMERICAN CHEMICAL SERVICES
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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0001	ACS-SSSB88-7.5	Benzene	150	5	Solid	ug/kg	
		Carbon tetrachloride	< 61	5	Solid	ug/kg	A2
		Chlorobenzene	< 61	5	Solid	ug/kg	A2
		Chloroethane	< 120	10	Solid	ug/kg	A2
		Chloroform	< 61	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 61	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 61	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 61	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 61	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 1200	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	< 610	50	Solid	ug/kg	A2
		Ethylbenzene	18000	5	Solid	ug/kg	
		Methylene chloride	340	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 61	5	Solid	ug/kg	A2
		Tetrachloroethene	< 61	5	Solid	ug/kg	A2
		1,1,1-Trichloroethane	< 61	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 61	5	Solid	ug/kg	A2
		Trichloroethene	< 61	5	Solid	ug/kg	A2
		Acetone	< 1200	100	Solid	ug/kg	A2
		Vinyl chloride	< 61	5	Solid	ug/kg	A2
		m + p-Xylene	120000	10	Solid	ug/kg	
		o-Xylene	2400	5	Solid	ug/kg	
		Styrene	< 61	5	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Analysis Date: 25, 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

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AMERICAN CHEMICAL SERVICES
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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0002	ACS-SSSB77-7'	Benzene	< 8	5	Solid	ug/kg	
		Carbon tetrachloride	< 8	5	Solid	ug/kg	
		Chlorobenzene	< 8	5	Solid	ug/kg	
		Chloroethane	< 16	10	Solid	ug/kg	
		Chloroform	< 8	5	Solid	ug/kg	
		1,2-Dichloroethane	< 8	5	Solid	ug/kg	
		1,1-Dichloroethene	< 8	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 8	5	Solid	ug/kg	
		1,2-Dichloropropane	< 8	5	Solid	ug/kg	
		Methyl ethyl ketone	< 160	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 80	50	Solid	ug/kg	
		Ethylbenzene	< 8	5	Solid	ug/kg	
		Methylene chloride	26	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 8	5	Solid	ug/kg	
		Tetrachloroethene	< 8	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 8	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 8	5	Solid	ug/kg	
		Trichloroethene	< 8	5	Solid	ug/kg	
		Acetone	< 160	100	Solid	ug/kg	
		Vinyl chloride	< 8	5	Solid	ug/kg	
		m + p-Xylene	26	10	Solid	ug/kg	
		o-Xylene	< 8	5	Solid	ug/kg	
		Styrene	< 8	5	Solid	ug/kg	

Sample Date: 21-JUN-93
Analysis Date: 25, 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0003	ACS-SSS77-9'	Benzene	14	5	Solid	ug/kg	
		Carbon tetrachloride	< 7	5	Solid	ug/kg	
		Chlorobenzene	< 7	5	Solid	ug/kg	
		Chloroethane	< 14	10	Solid	ug/kg	
		Chloroform	7	5	Solid	ug/kg	
		1,2-Dichloroethane	< 7	5	Solid	ug/kg	
		1,1-Dichloroethene	< 7	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 7	5	Solid	ug/kg	
		1,2-Dichloropropane	< 7	5	Solid	ug/kg	
		Methyl ethyl ketone	< 140	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 70	50	Solid	ug/kg	
		Ethylbenzene	17	5	Solid	ug/kg	
		Methylene chloride	22	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 7	5	Solid	ug/kg	
		Tetrachloroethene	< 7	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 7	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 7	5	Solid	ug/kg	
		Trichloroethene	< 7	5	Solid	ug/kg	
		Acetone	< 140	100	Solid	ug/kg	
		Vinyl chloride	< 7	5	Solid	ug/kg	
		m + p-Xylene	51	10	Solid	ug/kg	
		o-Xylene	20	5	Solid	ug/kg	
		Styrene	< 7	5	Solid	ug/kg	

Sample Date: 21-JUN-93
Analysis Date: 25-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0004	ACS-SSSB82-4.5	Benzene	< 6.1	5	Solid	ug/kg	
		Carbon tetrachloride	< 6.1	5	Solid	ug/kg	
		Chlorobenzene	< 6.1	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	7.3	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6.1	5	Solid	ug/kg	
		1,1-Dichloroethene	< 6.1	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	46	5	Solid	ug/kg	
		1,2-Dichloropropane	12	5	Solid	ug/kg	
		Methyl ethyl ketone	1400	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	1700	50	Solid	ug/kg	
		Ethylbenzene	< 6.1	5	Solid	ug/kg	
		Methylene chloride	61	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	36	5	Solid	ug/kg	
		Tetrachloroethene	22	5	Solid	ug/kg	
		1,1,1-Trichloroethane	27	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6.1	5	Solid	ug/kg	
		Trichloroethene	< 6.1	5	Solid	ug/kg	
		Acetone	1700	100	Solid	ug/kg	
		Vinyl chloride	< 6.1	5	Solid	ug/kg	
		m + p-Xylene	< 12	10	Solid	ug/kg	
		o-Xylene	< 6.1	5	Solid	ug/kg	
		Styrene	< 6.1	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 25, 26-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0005	ACS-SSSB82-6.5	Benzene	130	5	Solid	ug/kg	
		Carbon tetrachloride	< 6.5	5	Solid	ug/kg	
		Chlorobenzene	< 6.5	5	Solid	ug/kg	
		Chloroethane	< 13	10	Solid	ug/kg	
		Chloroform	27	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6.5	5	Solid	ug/kg	
		1,1-Dichloroethene	< 6.5	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	230	5	Solid	ug/kg	A10
		1,2-Dichloropropane	78	5	Solid	ug/kg	
		Methyl ethyl ketone	< 130	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 65	50	Solid	ug/kg	
		Ethylbenzene	21	5	Solid	ug/kg	
		Methylene chloride	35	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	13	5	Solid	ug/kg	
		Tetrachloroethene	34	5	Solid	ug/kg	
		1,1,1-Trichloroethane	52	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6.5	5	Solid	ug/kg	
		Trichloroethene	12	5	Solid	ug/kg	
		Acetone	< 130	100	Solid	ug/kg	
		Vinyl chloride	110	5	Solid	ug/kg	
		m + p-Xylene	100	10	Solid	ug/kg	
		o-Xylene	36	5	Solid	ug/kg	
		Styrene	< 6.5	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 25, 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0006	ACS-SSSB87-7'	Benzene	< 6.1	5	Solid	ug/kg	
		Carbon tetrachloride	< 6.1	5	Solid	ug/kg	
		Chlorobenzene	< 6.1	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 6.1	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6.1	5	Solid	ug/kg	
		1,1-Dichloroethene	< 6.1	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	22	5	Solid	ug/kg	
		1,2-Dichloropropane	< 6.1	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 61	50	Solid	ug/kg	
		Ethylbenzene	< 6.1	5	Solid	ug/kg	
		Methylene chloride	< 18	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 6.1	5	Solid	ug/kg	
		Tetrachloroethene	< 6.1	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 6.1	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6.1	5	Solid	ug/kg	
		Trichloroethene	< 6.1	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	12	5	Solid	ug/kg	
		m + p-Xylene	< 12	10	Solid	ug/kg	
		o-Xylene	10	5	Solid	ug/kg	
		Styrene	< 6.1	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 25, 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0007	ACS-SSSB80-8	Benzene	14	5	Solid	ug/kg	
		Carbon tetrachloride	< 6.3	5	Solid	ug/kg	
		Chlorobenzene	< 6.3	5	Solid	ug/kg	
		Chloroethane	< 13	10	Solid	ug/kg	
		Chloroform	< 6.3	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6.3	5	Solid	ug/kg	
		1,1-Dichloroethene	< 6.3	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 6.3	5	Solid	ug/kg	
		1,2-Dichloropropane	< 6.3	5	Solid	ug/kg	
		Methyl ethyl ketone	< 130	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 63	50	Solid	ug/kg	
		Ethylbenzene	< 6.3	5	Solid	ug/kg	
		Methylene chloride	< 19	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 6.3	5	Solid	ug/kg	
		Tetrachloroethene	< 6.3	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 6.3	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6.3	5	Solid	ug/kg	
		Trichloroethene	< 6.3	5	Solid	ug/kg	
		Acetone	< 130	100	Solid	ug/kg	
		Vinyl chloride	< 6.3	5	Solid	ug/kg	
		m + p-Xylene	14	10	Solid	ug/kg	
		o-Xylene	< 6.3	5	Solid	ug/kg	
		Styrene	< 6.3	5	Solid	ug/kg	

Sample Date: 21-JUN-93
Analysis Date: 25, 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0008	ACS-SSSB79-6	Benzene	12	5	Solid	ug/kg	
		Carbon tetrachloride	< 6.2	5	Solid	ug/kg	
		Chlorobenzene	< 6.2	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	25	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6.2	5	Solid	ug/kg	
		1,1-Dichloroethene	< 6.2	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	36	5	Solid	ug/kg	
		1,2-Dichloropropane	< 6.2	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 62	50	Solid	ug/kg	
		Ethylbenzene	12	5	Solid	ug/kg	
		Methylene chloride	36	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 6.2	5	Solid	ug/kg	
		Tetrachloroethene	< 6.2	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 6.2	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6.2	5	Solid	ug/kg	
		Trichloroethene	< 6.2	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	< 6.2	5	Solid	ug/kg	
		m + p-Xylene	37	10	Solid	ug/kg	
		o-Xylene	15	5	Solid	ug/kg	
		Styrene	< 6.2	5	Solid	ug/kg	

Sample Date: 21-JUN-93
Analysis Date: 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0009	ACS-SSSB79-8	Benzene	10	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.8	5	Solid	ug/kg	
		Chlorobenzene	< 5.8	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 5.8	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.8	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.8	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.8	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.8	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 58	50	Solid	ug/kg	
		Ethylbenzene	< 5.8	5	Solid	ug/kg	
		Methylene chloride	33	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.8	5	Solid	ug/kg	
		Tetrachloroethene	< 5.8	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.8	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.8	5	Solid	ug/kg	
		Trichloroethene	< 5.8	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	9.3	5	Solid	ug/kg	
		m + p-Xylene	15	10	Solid	ug/kg	
		o-Xylene	< 5.8	5	Solid	ug/kg	
		Styrene	< 5.8	5	Solid	ug/kg	

Sample Date: 21-JUN-93
Analysis Date: 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0010	ACS-SSSB78-7	Benzene	< 8.3	5	Solid	ug/kg	
		Carbon tetrachloride	< 8.3	5	Solid	ug/kg	
		Chlorobenzene	< 8.3	5	Solid	ug/kg	
		Chloroethane	< 17	10	Solid	ug/kg	
		Chloroform	< 8.3	5	Solid	ug/kg	
		1,2-Dichloroethane	< 8.3	5	Solid	ug/kg	
		1,1-Dichloroethene	< 8.3	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 8.3	5	Solid	ug/kg	
		1,2-Dichloropropane	< 8.3	5	Solid	ug/kg	
		Methyl ethyl ketone	< 170	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 83	50	Solid	ug/kg	
		Ethylbenzene	< 8.3	5	Solid	ug/kg	
		Methylene chloride	55	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 8.3	5	Solid	ug/kg	
		Tetrachloroethene	< 8.3	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 8.3	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 8.3	5	Solid	ug/kg	
		Trichloroethene	< 8.3	5	Solid	ug/kg	
		Acetone	< 170	100	Solid	ug/kg	
		Vinyl chloride	13	5	Solid	ug/kg	
		m + p-Xylene	< 17	10	Solid	ug/kg	
		o-Xylene	< 8.3	5	Solid	ug/kg	
		Styrene	< 8.3	5	Solid	ug/kg	

Sample Date: 21-JUN-93
Analysis Date: 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0011	ACS-SSSB80-6	Benzene	< 5.8	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.8	5	Solid	ug/kg	
		Chlorobenzene	< 5.8	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	9.9	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.8	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.8	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.8	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.8	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 58	50	Solid	ug/kg	
		Ethylbenzene	< 5.8	5	Solid	ug/kg	
		Methylene chloride	42	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.8	5	Solid	ug/kg	
		Tetrachloroethene	< 5.8	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.8	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.8	5	Solid	ug/kg	
		Trichloroethene	< 5.8	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	< 5.8	5	Solid	ug/kg	
		m + p-Xylene	< 12	10	Solid	ug/kg	
		o-Xylene	< 5.8	5	Solid	ug/kg	
		Styrene	< 5.8	5	Solid	ug/kg	

Sample Date: 21-JUN-93
Analysis Date: 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0012	ACS-SSSB78-10	Benzene	150	5	Solid	ug/kg	
		Carbon tetrachloride	< 59	5	Solid	ug/kg	A2
		Chlorobenzene	< 59	5	Solid	ug/kg	A2
		Chloroethane	< 120	10	Solid	ug/kg	A2
		Chloroform	< 59	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 59	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 59	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 59	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 59	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 1200	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	< 590	50	Solid	ug/kg	A2
		Ethylbenzene	1500	5	Solid	ug/kg	
		Methylene chloride	< 180	15	Solid	ug/kg	A2
		1,1,2,2-Tetrachloroethane	< 59	5	Solid	ug/kg	A2
		Tetrachloroethene	< 59	5	Solid	ug/kg	A2
		1,1,1-Trichloroethane	< 59	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 59	5	Solid	ug/kg	A2
		Trichloroethene	< 59	5	Solid	ug/kg	A2
		Acetone	< 1200	100	Solid	ug/kg	A2
		Vinyl chloride	< 59	5	Solid	ug/kg	A2
		m + p-Xylene	4900	10	Solid	ug/kg	
		o-Xylene	2500	5	Solid	ug/kg	
		Styrene	< 59	5	Solid	ug/kg	A2

Sample Date: 21-JUN-93
Analysis Date: 27, 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0013	ACS-SSSB87-11'	Benzene	< 5.8	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.8	5	Solid	ug/kg	
		Chlorobenzene	< 5.8	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 5.8	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.8	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.8	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.8	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.8	5	Solid	ug/kg	
		Methyl ethyl ketone	1500	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	300	50	Solid	ug/kg	
		Ethylbenzene	14	5	Solid	ug/kg	
		Methylene chloride	< 17	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.8	5	Solid	ug/kg	
		Tetrachloroethene	< 5.8	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.8	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.8	5	Solid	ug/kg	
		Trichloroethene	< 5.8	5	Solid	ug/kg	
		Acetone	830	100	Solid	ug/kg	
		Vinyl chloride	< 5.8	5	Solid	ug/kg	
		m + p-Xylene	69	10	Solid	ug/kg	
		o-Xylene	28	5	Solid	ug/kg	
		Styrene	< 5.8	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0014	ACS-SSSB83-6.5	Benzene	< 5.6	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.6	5	Solid	ug/kg	
		Chlorobenzene	< 5.6	5	Solid	ug/kg	
		Chloroethane	< 11	10	Solid	ug/kg	
		Chloroform	< 5.6	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.6	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.6	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.6	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.6	5	Solid	ug/kg	
		Methyl ethyl ketone	< 110	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 56	50	Solid	ug/kg	
		Ethylbenzene	< 5.6	5	Solid	ug/kg	
		Methylene chloride	< 17	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.6	5	Solid	ug/kg	
		Tetrachloroethene	< 5.6	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.6	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.6	5	Solid	ug/kg	
		Trichloroethene	< 5.6	5	Solid	ug/kg	
		Acetone	< 110	100	Solid	ug/kg	
		Vinyl chloride	< 5.6	5	Solid	ug/kg	
		m + p-Xylene	< 11	10	Solid	ug/kg	
		o-Xylene	< 5.6	5	Solid	ug/kg	
		Styrene	< 5.6	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0015	ACS-SSSB83-10.5	Benzene	8000	5	Solid	ug/kg	
		Carbon tetrachloride	< 570	5	Solid	ug/kg	A2
		Chlorobenzene	< 570	5	Solid	ug/kg	A2
		Chloroethane	< 1100	10	Solid	ug/kg	A2
		Chloroform	< 570	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 570	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 570	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	4300	5	Solid	ug/kg	
		1,2-Dichloropropane	< 570	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 11000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	5700	50	Solid	ug/kg	
		Ethylbenzene	30000	5	Solid	ug/kg	
		Methylene chloride	< 1700	15	Solid	ug/kg	A2
		1,1,2,2-Tetrachloroethane	< 570	5	Solid	ug/kg	A2
		Tetrachloroethene	1700	5	Solid	ug/kg	
		1,1,1-Trichloroethane	10000	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 570	5	Solid	ug/kg	A2
		Trichloroethene	< 570	5	Solid	ug/kg	A2
		Acetone	14000	100	Solid	ug/kg	
		Vinyl chloride	< 570	5	Solid	ug/kg	A2
		m + p-Xylene	68000	10	Solid	ug/kg	
		o-Xylene	36000	5	Solid	ug/kg	
		Styrene	1600	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27, 28-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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Date Issued: 7/12/93

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0016	ACS-SSSB83-6.5(91)	Benzene	< 5.9	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.9	5	Solid	ug/kg	
		Chlorobenzene	< 5.9	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 5.9	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.9	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.9	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.9	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.9	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 59	50	Solid	ug/kg	
		Ethylbenzene	< 5.9	5	Solid	ug/kg	
		Methylene chloride	< 17	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.9	5	Solid	ug/kg	
		Tetrachloroethene	< 5.9	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.9	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.9	5	Solid	ug/kg	
		Trichloroethene	< 5.9	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	< 5.9	5	Solid	ug/kg	
		m + p-Xylene	< 12	10	Solid	ug/kg	
		o-Xylene	< 5.9	5	Solid	ug/kg	
		Styrene	< 5.9	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27, 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0017	ACS-SSSB81-4	Benzene	< 6.2	5	Solid	ug/kg	
		Carbon tetrachloride	< 6.2	5	Solid	ug/kg	
		Chlorobenzene	< 6.2	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 6.2	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6.2	5	Solid	ug/kg	
		1,1-Dichloroethene	8.6	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	18	5	Solid	ug/kg	
		1,2-Dichloropropane	< 6.2	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 62	50	Solid	ug/kg	
		Ethylbenzene	11	5	Solid	ug/kg	
		Methylene chloride	20	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 6.2	5	Solid	ug/kg	
		Tetrachloroethene	< 6.2	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 6.2	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6.2	5	Solid	ug/kg	
		Trichloroethene	< 6.2	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	< 6.2	5	Solid	ug/kg	
		m + p-Xylene	32	10	Solid	ug/kg	
		o-Xylene	12	5	Solid	ug/kg	
		Styrene	< 6.2	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0018	ACS-SSSB96-3'	Benzene	< 6	5	Solid	ug/kg	
		Carbon tetrachloride	< 6	5	Solid	ug/kg	
		Chlorobenzene	< 6	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 6	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6	5	Solid	ug/kg	
		1,1-Dichloroethene	< 6	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 6	5	Solid	ug/kg	
		1,2-Dichloropropane	< 6	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 60	50	Solid	ug/kg	
		Ethylbenzene	< 6	5	Solid	ug/kg	
		Methylene chloride	< 18	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 6	5	Solid	ug/kg	
		Tetrachloroethene	< 6	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 6	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6	5	Solid	ug/kg	
		Trichloroethene	< 6	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	< 6	5	Solid	ug/kg	
		m + p-Xylene	< 12	10	Solid	ug/kg	
		o-Xylene	< 6	5	Solid	ug/kg	
		Styrene	< 6	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0019	ACS-SSSB85-5'	Benzene	< 5.4	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.4	5	Solid	ug/kg	
		Chlorobenzene	< 5.4	5	Solid	ug/kg	
		Chloroethane	< 11	10	Solid	ug/kg	
		Chloroform	< 5.4	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.4	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.4	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.4	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.4	5	Solid	ug/kg	
		Methyl ethyl ketone	< 110	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 54	50	Solid	ug/kg	
		Ethylbenzene	< 5.4	5	Solid	ug/kg	
		Methylene chloride	< 16	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.4	5	Solid	ug/kg	
		Tetrachloroethene	< 5.4	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.4	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.4	5	Solid	ug/kg	
		Trichloroethene	< 5.4	5	Solid	ug/kg	
		Acetone	< 110	100	Solid	ug/kg	
		Vinyl chloride	< 5.4	5	Solid	ug/kg	
		m + p-Xylene	< 11	10	Solid	ug/kg	
		o-Xylene	< 5.4	5	Solid	ug/kg	
		Styrene	< 5.4	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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Date Issued: 7/12/93

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0020	ACS-SSSB89-3'	Benzene	360	5	Solid	ug/kg	
		Carbon tetrachloride	< 110	5	Solid	ug/kg	A2
		Chlorobenzene	< 110	5	Solid	ug/kg	A2
		Chloroethane	< 220	10	Solid	ug/kg	A2
		Chloroform	< 110	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 110	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 110	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 110	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 110	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 2200	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	3000	50	Solid	ug/kg	
		Ethylbenzene	11000	5	Solid	ug/kg	
		Methylene chloride	< 330	15	Solid	ug/kg	A2
		1,1,2,2-Tetrachloroethane	< 110	5	Solid	ug/kg	A2
		Tetrachloroethene	< 110	5	Solid	ug/kg	A2
		1,1,1-Trichloroethane	< 110	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 110	5	Solid	ug/kg	A2
		Trichloroethene	< 110	5	Solid	ug/kg	A2
		Acetone	< 2200	100	Solid	ug/kg	A2
		Vinyl chloride	< 110	5	Solid	ug/kg	A2
		m + p-Xylene	46000	10	Solid	ug/kg	
		o-Xylene	15000	5	Solid	ug/kg	
		Styrene	260	5	Solid	ug/kg	

Sample Date: 23-JUN-93
Analysis Date: 27, 28-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0021	ACS-SSSB95-3'	Benzene	< 5.9	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.9	5	Solid	ug/kg	
		Chlorobenzene	< 5.9	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 5.9	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.9	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.9	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	21	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.9	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 59	50	Solid	ug/kg	
		Ethylbenzene	7.7	5	Solid	ug/kg	
		Methylene chloride	< 18	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.9	5	Solid	ug/kg	
		Tetrachloroethene	49	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.9	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.9	5	Solid	ug/kg	
		Trichloroethene	< 5.9	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	< 5.9	5	Solid	ug/kg	
		m + p-Xylene	190	10	Solid	ug/kg	
		o-Xylene	130	5	Solid	ug/kg	
		Styrene	< 5.9	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0022	ACS-SSSB89-5'	Benzene	42	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.9	5	Solid	ug/kg	
		Chlorobenzene	< 5.9	5	Solid	ug/kg	
		Chloroethane	< 12	10	Solid	ug/kg	
		Chloroform	< 5.9	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.9	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.9	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.9	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.9	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 59	50	Solid	ug/kg	
		Ethylbenzene	120	5	Solid	ug/kg	
		Methylene chloride	< 18	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.9	5	Solid	ug/kg	
		Tetrachloroethene	50	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.9	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.9	5	Solid	ug/kg	
		Trichloroethene	11	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	< 5.9	5	Solid	ug/kg	
		m + p-Xylene	470	10	Solid	ug/kg	
		o-Xylene	160	5	Solid	ug/kg	
		Styrene	< 5.9	5	Solid	ug/kg	

Sample Date: 23-JUN-93
Analysis Date: 27, 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0023	ACS-SSSB89-5'(91)	Benzene	86	5	Solid	ug/kg	
		Carbon tetrachloride	< 6.1	5	Solid	ug/kg	
		Chlorobenzene	< 6.1	5	Solid	ug/kg	
		Chloroethane	12	10	Solid	ug/kg	
		Chloroform	< 6.1	5	Solid	ug/kg	
		1,2-Dichloroethane	< 6.1	5	Solid	ug/kg	
		1,1-Dichloroethene	< 6.1	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	10	5	Solid	ug/kg	
		1,2-Dichloropropane	< 6.1	5	Solid	ug/kg	
		Methyl ethyl ketone	< 120	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 61	50	Solid	ug/kg	
		Ethylbenzene	61	5	Solid	ug/kg	
		Methylene chloride	44	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 6.1	5	Solid	ug/kg	
		Tetrachloroethene	< 6.1	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 6.1	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 6.1	5	Solid	ug/kg	
		Trichloroethene	< 6.1	5	Solid	ug/kg	
		Acetone	< 120	100	Solid	ug/kg	
		Vinyl chloride	11	5	Solid	ug/kg	
		m + p-Xylene	260	10	Solid	ug/kg	
		o-Xylene	80	5	Solid	ug/kg	
		Styrene	< 6.1	5	Solid	ug/kg	

Sample Date: 23-JUN-93
Analysis Date: 28, 29-JUN-93, 02-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0024	ACS-SSSB88-10.5	Benzene	< 5.5	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.5	5	Solid	ug/kg	
		Chlorobenzene	< 5.5	5	Solid	ug/kg	
		Chloroethane	< 11	10	Solid	ug/kg	
		Chloroform	< 5.5	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.5	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.5	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.5	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.5	5	Solid	ug/kg	
		Methyl ethyl ketone	< 110	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 55	50	Solid	ug/kg	
		Ethylbenzene	< 5.5	5	Solid	ug/kg	
		Methylene chloride	28	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.5	5	Solid	ug/kg	
		Tetrachloroethene	< 5.5	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.5	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.5	5	Solid	ug/kg	
		Trichloroethene	< 5.5	5	Solid	ug/kg	
		Acetone	< 110	100	Solid	ug/kg	
		Vinyl chloride	< 5.5	5	Solid	ug/kg	
		m + p-Xylene	13	10	Solid	ug/kg	
		o-Xylene	140	5	Solid	ug/kg	
		Styrene	< 5.5	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0025	ACS-SSSB81-6	Benzene	< 7.9	5	Solid	ug/kg	
		Carbon tetrachloride	< 7.9	5	Solid	ug/kg	
		Chlorobenzene	< 7.9	5	Solid	ug/kg	
		Chloroethane	< 16	10	Solid	ug/kg	
		Chloroform	< 7.9	5	Solid	ug/kg	
		1,2-Dichloroethane	< 7.9	5	Solid	ug/kg	
		1,1-Dichloroethene	< 7.9	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 7.9	5	Solid	ug/kg	
		1,2-Dichloropropane	< 7.9	5	Solid	ug/kg	
		Methyl ethyl ketone	< 160	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 79	50	Solid	ug/kg	
		Ethylbenzene	27	5	Solid	ug/kg	
		Methylene chloride	48	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 7.9	5	Solid	ug/kg	
		Tetrachloroethene	< 7.9	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 7.9	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 7.9	5	Solid	ug/kg	
		Trichloroethene	< 7.9	5	Solid	ug/kg	
		Acetone	< 160	100	Solid	ug/kg	
		Vinyl chloride	< 7.9	5	Solid	ug/kg	
		m + p-Xylene	76	10	Solid	ug/kg	
		o-Xylene	32	5	Solid	ug/kg	
		Styrene	< 7.9	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0026	ACS-SSSB84-5'	Benzene	< 300	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 300	5	Solid	ug/kg	A2
		Chlorobenzene	< 300	5	Solid	ug/kg	A2
		Chloroethane	< 600	10	Solid	ug/kg	A2
		Chloroform	< 300	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 300	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 300	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 300	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 300	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 6000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	84000	50	Solid	ug/kg	
		Ethylbenzene	22000	5	Solid	ug/kg	
		Methylene chloride	2700	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 300	5	Solid	ug/kg	A2
		Tetrachloroethene	< 300	5	Solid	ug/kg	A2
		1,1,1-Trichloroethane	< 300	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 300	5	Solid	ug/kg	A2
		Trichloroethene	< 300	5	Solid	ug/kg	A2
		Acetone	< 6000	100	Solid	ug/kg	A2
		Vinyl chloride	< 300	5	Solid	ug/kg	A2
		m + p-Xylene	120000	10	Solid	ug/kg	
		o-Xylene	67000	5	Solid	ug/kg	
		Styrene	< 300	5	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Analysis Date: 29-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0027	ACS-SSSB90-3'	Benzene	750	5	Solid	ug/kg	
		Carbon tetrachloride	< 300	5	Solid	ug/kg	A2
		Chlorobenzene	< 300	5	Solid	ug/kg	A2
		Chloroethane	< 600	10	Solid	ug/kg	A2
		Chloroform	850	5	Solid	ug/kg	
		1,2-Dichloroethane	< 300	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 300	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 300	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 300	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 6000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	3400	50	Solid	ug/kg	
		Ethylbenzene	13000	5	Solid	ug/kg	
		Methylene chloride	2400	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 300	5	Solid	ug/kg	A2
		Tetrachloroethene	1600	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 300	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 300	5	Solid	ug/kg	A2
		Trichloroethene	420	5	Solid	ug/kg	
		Acetone	< 6000	100	Solid	ug/kg	A2
		Vinyl chloride	< 300	5	Solid	ug/kg	A2
		m + p-Xylene	35000	10	Solid	ug/kg	
		o-Xylene	12000	5	Solid	ug/kg	
		Styrene	< 300	5	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Analysis Date: 29-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0028	ACS-SSSB90-5'	Benzene	< 290	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 290	5	Solid	ug/kg	A2
		Chlorobenzene	< 290	5	Solid	ug/kg	A2
		Chloroethane	< 570	10	Solid	ug/kg	A2
		Chloroform	< 290	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 290	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 290	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 290	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 290	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 5700	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	< 2900	50	Solid	ug/kg	A2
		Ethylbenzene	6300	5	Solid	ug/kg	
		Methylene chloride	2300	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 290	5	Solid	ug/kg	A2
		Tetrachloroethene	3700	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 290	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 290	5	Solid	ug/kg	A2
		Trichloroethene	< 290	5	Solid	ug/kg	A2
		Acetone	< 5700	100	Solid	ug/kg	A2
		Vinyl chloride	< 290	5	Solid	ug/kg	A2
		m + p-Xylene	25000	10	Solid	ug/kg	
		o-Xylene	12000	5	Solid	ug/kg	
		Styrene	< 290	5	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Analysis Date: 29-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0029	ACS-SSSB90-5'(91)	Benzene	140	5	Solid	ug/kg	
		Carbon tetrachloride	< 61	5	Solid	ug/kg	A2
		Chlorobenzene	< 61	5	Solid	ug/kg	A2
		Chloroethane	< 120	10	Solid	ug/kg	A2
		Chloroform	< 61	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 61	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 61	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 61	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 61	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 1200	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	< 610	50	Solid	ug/kg	A2
		Ethylbenzene	540	5	Solid	ug/kg	
		Methylene chloride	< 180	15	Solid	ug/kg	A2
		1,1,2,2-Tetrachloroethane	< 61	5	Solid	ug/kg	A2
		Tetrachloroethene	< 61	5	Solid	ug/kg	A2
		1,1,1-Trichloroethane	< 61	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 61	5	Solid	ug/kg	A2
		Trichloroethene	< 61	5	Solid	ug/kg	A2
		Acetone	< 1200	100	Solid	ug/kg	A2
		Vinyl chloride	< 61	5	Solid	ug/kg	A2
		m + p-Xylene	3200	10	Solid	ug/kg	
		o-Xylene	1500	5	Solid	ug/kg	
		Styrene	< 61	5	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Analysis Date: 29, 30-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0030	ACS-SSSB91-3'	Benzene	< 560	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 560	5	Solid	ug/kg	A2
		Chlorobenzene	< 560	5	Solid	ug/kg	A2
		Chloroethane	< 1100	10	Solid	ug/kg	A2
		Chloroform	2500	5	Solid	ug/kg	
		1,2-Dichloroethane	< 560	5	Solid	ug/kg	A2
		1,1-Dichloroethene	670	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 560	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 560	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 11000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	13000	50	Solid	ug/kg	
		Ethylbenzene	10000	5	Solid	ug/kg	
		Methylene chloride	3500	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 560	5	Solid	ug/kg	A2
		Tetrachloroethene	7600	5	Solid	ug/kg	
		1,1,1-Trichloroethane	1500	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 560	5	Solid	ug/kg	A2
		Trichloroethene	1600	5	Solid	ug/kg	
		Acetone	< 11000	100	Solid	ug/kg	A2
		Vinyl chloride	< 560	5	Solid	ug/kg	A2
		m + p-Xylene	44000	10	Solid	ug/kg	
		o-Xylene	15000	5	Solid	ug/kg	
		Styrene	< 560	5	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Analysis Date: 29-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0031	ACS-SSSB86-3'	Benzene	< 5.3	5	Solid	ug/kg	
		Carbon tetrachloride	< 5.3	5	Solid	ug/kg	
		Chlorobenzene	< 5.3	5	Solid	ug/kg	
		Chloroethane	< 10	10	Solid	ug/kg	
		Chloroform	< 5.3	5	Solid	ug/kg	
		1,2-Dichloroethane	< 5.3	5	Solid	ug/kg	
		1,1-Dichloroethene	< 5.3	5	Solid	ug/kg	
		cis-1,2-Dichloroethene	< 5.3	5	Solid	ug/kg	
		1,2-Dichloropropane	< 5.3	5	Solid	ug/kg	
		Methyl ethyl ketone	< 100	100	Solid	ug/kg	
		Methyl Isobutyl Ketone	< 53	50	Solid	ug/kg	
		Ethylbenzene	< 5.3	5	Solid	ug/kg	
		Methylene chloride	23	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5.3	5	Solid	ug/kg	
		Tetrachloroethene	< 5.3	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 5.3	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5.3	5	Solid	ug/kg	
		Trichloroethene	< 5.3	5	Solid	ug/kg	
		Acetone	< 100	100	Solid	ug/kg	
		Vinyl chloride	< 5.3	5	Solid	ug/kg	
		m + p-Xylene	< 10	10	Solid	ug/kg	
		o-Xylene	23	5	Solid	ug/kg	
		Styrene	< 5.3	5	Solid	ug/kg	

Sample Date: 22-JUN-93
Analysis Date: 28, 29-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0032	ACS-SSSB91-5'	Benzene	< 1300	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 1300	5	Solid	ug/kg	A2
		Chlorobenzene	10000	5	Solid	ug/kg	
		Chloroethane	< 2600	10	Solid	ug/kg	A2
		Chloroform	< 1300	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 1300	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 1300	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	7800	5	Solid	ug/kg	
		1,2-Dichloropropane	< 1300	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 26000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	11000	50	Solid	ug/kg	
		Ethylbenzene	56000	5	Solid	ug/kg	
		Methylene chloride	8700	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 1300	5	Solid	ug/kg	A2
		Tetrachloroethene	6700	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 1300	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 1300	5	Solid	ug/kg	A2
		Trichloroethene	9200	5	Solid	ug/kg	
		Acetone	< 26000	100	Solid	ug/kg	A2
		Vinyl chloride	< 1300	5	Solid	ug/kg	A2
		m + p-Xylene	310000	10	Solid	ug/kg	
		o-Xylene	89000	5	Solid	ug/kg	
		Styrene	< 1300	5	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Analysis Date: 29-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0033	ACS-SSSB92-3'	Benzene	12000	5	Solid	ug/kg	
		Carbon tetrachloride	< 2900	5	Solid	ug/kg	A2
		Chlorobenzene	5200	5	Solid	ug/kg	
		Chloroethane	< 5900	10	Solid	ug/kg	A2
		Chloroform	< 120000	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 2900	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 2900	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	1200000	5	Solid	ug/kg	
		1,2-Dichloropropane	< 120000	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 59000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	79000	50	Solid	ug/kg	
		Ethylbenzene	1300000	5	Solid	ug/kg	
		Methylene chloride	16000	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 2900	5	Solid	ug/kg	A2
		Tetrachloroethene	5100000	5	Solid	ug/kg	
		1,1,1-Trichloroethane	100000	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 2900	5	Solid	ug/kg	A2
		Trichloroethene	1100000	5	Solid	ug/kg	
		Acetone	650000	100	Solid	ug/kg	
		Vinyl chloride	< 2900	5	Solid	ug/kg	A2
		m + p-Xylene	5500000	10	Solid	ug/kg	
		o-Xylene	1100000	5	Solid	ug/kg	
		Styrene	< 2900	5	Solid	ug/kg	A2

Sample Date: 23-JUN-93
Analysis Date: 29-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0034	ACS-SSSB92-5'	Benzene	< 62	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 62	5	Solid	ug/kg	A2
		Chlorobenzene	< 62	5	Solid	ug/kg	A2
		Chloroethane	< 120	10	Solid	ug/kg	A2
		Chloroform	< 62	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 62	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 62	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	350	5	Solid	ug/kg	
		1,2-Dichloropropane	< 62	5	Solid	ug/kg	A2
		Methyl ethyl ketone	1500	100	Solid	ug/kg	(b)
		Methyl Isobutyl Ketone	2700	50	Solid	ug/kg	
		Ethylbenzene	560	5	Solid	ug/kg	
		Methylene chloride	360	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 62	5	Solid	ug/kg	A2
		Tetrachloroethene	270	5	Solid	ug/kg	
		1,1,1-Trichloroethane	< 62	5	Solid	ug/kg	A2
		1,1,2-Trichloroethane	< 62	5	Solid	ug/kg	A2
		Trichloroethene	< 62	5	Solid	ug/kg	A2
		Acetone	1500	100	Solid	ug/kg	
		Vinyl chloride	< 62	5	Solid	ug/kg	A2
		m + p-Xylene	3200	10	Solid	ug/kg	
		o-Xylene	1200	5	Solid	ug/kg	
		Styrene	< 62	5	Solid	ug/kg	A2

Sample Date: 23-JUN-93
Analysis Date: 29, 30-JUN-93, 01-JUL-93

(b) Result should be considered estimated as indicated by method QC.

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0035	ACS-SSSB93-3'	Benzene	< 57000	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 57000	5	Solid	ug/kg	A2
		Chlorobenzene	< 57000	5	Solid	ug/kg	A2
		Chloroethane	< 110000	10	Solid	ug/kg	A2
		Chloroform	< 57000	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 57000	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 57000	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 57000	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 57000	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 1100000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	< 570000	50	Solid	ug/kg	A2
		Ethylbenzene	440000	5	Solid	ug/kg	
		Methylene chloride	430000	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 57000	5	Solid	ug/kg	A2
		Tetrachloroethene	800000	5	Solid	ug/kg	
		1,1,1-Trichloroethane	230000	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 57000	5	Solid	ug/kg	A2
		Trichloroethene	500000	5	Solid	ug/kg	
		Acetone	< 1100000	100	Solid	ug/kg	A2
		Vinyl chloride	< 57000	5	Solid	ug/kg	A2
		m + p-Xylene	1600000	10	Solid	ug/kg	
		o-Xylene	340000	5	Solid	ug/kg	
		Styrene	< 57000	5	Solid	ug/kg	A2

Sample Date: 23-JUN-93
Analysis Date: 30-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0036	ACS-SSSB93-5'	Benzene	< 62000	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 62000	5	Solid	ug/kg	A2
		Chlorobenzene	< 62000	5	Solid	ug/kg	A2
		Chloroethane	< 120000	10	Solid	ug/kg	A2
		Chloroform	< 62000	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 62000	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 62000	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 62000	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 62000	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 1200000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	< 620000	50	Solid	ug/kg	A2
		Ethylbenzene	520000	5	Solid	ug/kg	
		Methylene chloride	570000	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 62000	5	Solid	ug/kg	A2
		Tetrachloroethene	920000	5	Solid	ug/kg	
		1,1,1-Trichloroethane	520000	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 62000	5	Solid	ug/kg	A2
		Trichloroethene	920000	5	Solid	ug/kg	
		Acetone	< 1200000	100	Solid	ug/kg	A2
		Vinyl chloride	< 62000	5	Solid	ug/kg	A2
		m + p-Xylene	2000000	10	Solid	ug/kg	
		o-Xylene	370000	5	Solid	ug/kg	
		Styrene	< 62000	5	Solid	ug/kg	A2

Sample Date: 23-JUN-93
Analysis Date: 30-JUN-93

Note: *Results in ug/kg are reported on a dry weight basis.*

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0037	ACS-SSSB94-3'	Benzene	< 5800	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 5800	5	Solid	ug/kg	A2
		Chlorobenzene	< 5800	5	Solid	ug/kg	A2
		Chloroethane	< 12000	10	Solid	ug/kg	A2
		Chloroform	< 5800	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 5800	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 5800	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 5800	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 5800	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 120000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	99000	50	Solid	ug/kg	
		Ethylbenzene	180000	5	Solid	ug/kg	
		Methylene chloride	53000	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 58000	5	Solid	ug/kg	A2
		Tetrachloroethene	26000	5	Solid	ug/kg	
		1,1,1-Trichloroethane	7500	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5800	5	Solid	ug/kg	A2
		Trichloroethene	< 5800	5	Solid	ug/kg	A2
		Acetone	< 120000	100	Solid	ug/kg	A2
		Vinyl chloride	< 5800	5	Solid	ug/kg	A2
		m + p-Xylene	1000000	10	Solid	ug/kg	
		o-Xylene	220000	5	Solid	ug/kg	
		Styrene	37000	5	Solid	ug/kg	

Sample Date: 23-JUN-93
Analysis Date: 30-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0038	ACS-SSSB94-5'	Benzene	< 5800	5	Solid	ug/kg	A2
		Carbon tetrachloride	< 5800	5	Solid	ug/kg	A2
		Chlorobenzene	< 5800	5	Solid	ug/kg	A2
		Chloroethane	< 12000	10	Solid	ug/kg	A2
		Chloroform	< 5800	5	Solid	ug/kg	A2
		1,2-Dichloroethane	< 5800	5	Solid	ug/kg	A2
		1,1-Dichloroethene	< 5800	5	Solid	ug/kg	A2
		cis-1,2-Dichloroethene	< 5800	5	Solid	ug/kg	A2
		1,2-Dichloropropane	< 5800	5	Solid	ug/kg	A2
		Methyl ethyl ketone	< 120000	100	Solid	ug/kg	A2
		Methyl Isobutyl Ketone	81000	50	Solid	ug/kg	
		Ethylbenzene	510000	5	Solid	ug/kg	
		Methylene chloride	39000	15	Solid	ug/kg	
		1,1,2,2-Tetrachloroethane	< 5800	5	Solid	ug/kg	A2
		Tetrachloroethene	46000	5	Solid	ug/kg	
		1,1,1-Trichloroethane	23000	5	Solid	ug/kg	
		1,1,2-Trichloroethane	< 5800	5	Solid	ug/kg	A2
		Trichloroethene	20000	5	Solid	ug/kg	
		Acetone	< 120000	100	Solid	ug/kg	A2
		Vinyl chloride	< 5800	5	Solid	ug/kg	A2
		m + p-Xylene	1800000	10	Solid	ug/kg	
		o-Xylene	390000	5	Solid	ug/kg	
		Styrene	30000	5	Solid	ug/kg	

Sample Date: 23-JUN-93
Analysis Date: 30-JUN-93, 01-JUL-93

: Results in ug/kg are reported on a dry weight basis.

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0001	ACS-SSSB88-7.5	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	4200	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	450	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	34000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 25, 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0002	ACS-SSSB77-7'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A3
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Isophorone	< 3300	330	Solid	ug/kg	A3
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Naphthalene	< 3300	330	Solid	ug/kg	A3
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A3
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A3
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A3, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A3
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A3
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A3
		Chrysene	< 3300	330	Solid	ug/kg	A3
		Bis(2-ethylhexyl)phthalate	< 3300	330	Solid	ug/kg	A3
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A3
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A3
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A3
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A3

Sample Date: 21-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0003	ACS-SSSB77-9'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A3
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Isophorone	< 3300	330	Solid	ug/kg	A3
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Naphthalene	< 3300	330	Solid	ug/kg	A3
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A3
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A3
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A3, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A3
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A3
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A3
		Chrysene	< 3300	330	Solid	ug/kg	A3
		Bis(2-ethylhexyl)phthalate	9800	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A3
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A3
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A3
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A3

Sample Date: 21-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0004	ACS-SSSBB2-4.5	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 26-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0005	ACS-SSSB82-6.5	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0006	ACS-SSSB87-7'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Isophorone	41000	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Naphthalene	35000	330	Solid	ug/kg	
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A2
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A2
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A2
		Di-n-butylphthalate	96000	330	Solid	ug/kg	
		Chrysene	< 3300	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	300000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 27, 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0007	ACS-SSSB80-8	Bis(2-Chloroethyl)ether	< 13000	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 13000	330	Solid	ug/kg	A2
		Isophorone	< 13000	330	Solid	ug/kg	A2
		1,2,4-Trichlorobenzene	< 13000	330	Solid	ug/kg	A2
		Naphthalene	< 13000	330	Solid	ug/kg	A2
		Hexachlorobutadiene	< 13000	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 13000	330	Solid	ug/kg	A2
		n-Nitrosodiphenylamine	< 13000	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 13000	330	Solid	ug/kg	A2
		Pentachlorophenol	< 63000	1700	Solid	ug/kg	A2
		Di-n-butylphthalate	< 13000	330	Solid	ug/kg	A2
		Chrysene	< 13000	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	210000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 13000	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 13000	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 13000	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 13000	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 13000	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 13000	330	Solid	ug/kg	A2

Sample Date: 21-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0008	ACS-SSSB79-6	Bis(2-Chloroethyl)ether	< 12000	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 12000	330	Solid	ug/kg	A2
		Isophorone	< 12000	330	Solid	ug/kg	A2
		1,2,4-Trichlorobenzene	< 12000	330	Solid	ug/kg	A2
		Naphthalene	< 12000	330	Solid	ug/kg	A2
		Hexachlorobutadiene	< 12000	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 12000	330	Solid	ug/kg	A2
		n-Nitrosodiphenylamine	< 12000	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 12000	330	Solid	ug/kg	A2
		Pentachlorophenol	< 62000	1700	Solid	ug/kg	A2
		Di-n-butylphthalate	< 12000	330	Solid	ug/kg	A2
		Chrysene	< 12000	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	< 12000	330	Solid	ug/kg	A2
		Benzo(b)fluoranthene	< 12000	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 12000	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 12000	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 12000	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 12000	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 12000	330	Solid	ug/kg	A2

Sample Date: 21-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0009	ACS-SSSB79-8	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 21-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0010	ACS-SSSB78-7	Bis(2-Chloroethyl)ether	< 5500	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 5500	330	Solid	ug/kg	A2
		Isophorone	12000	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 5500	330	Solid	ug/kg	A2
		Naphthalene	18000	330	Solid	ug/kg	
		Hexachlorobutadiene	< 5500	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 5500	330	Solid	ug/kg	A2
		n-Nitrosodiphenylamine	< 5500	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 5500	330	Solid	ug/kg	A2
		Pentachlorophenol	< 28000	1700	Solid	ug/kg	A2
		Di-n-butylphthalate	< 5500	330	Solid	ug/kg	A2
		Chrysene	< 5500	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	36000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 5500	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 5500	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 5500	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 5500	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 5500	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 5500	330	Solid	ug/kg	A2

Sample Date: 21-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0011	ACS-SSSB80-6	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 21-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 27-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0012	ACS-SSSB78-10	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Isophorone	< 3300	330	Solid	ug/kg	A2
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Naphthalene	< 3300	330	Solid	ug/kg	A2
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A2
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A2
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A2
		Di-n-butylphthalate	5700	330	Solid	ug/kg	
		Chrysene	< 3300	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	16000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A2

Sample Date: 21-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0013	ACS-SSSB87-11'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Isophorone	4300	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Naphthalene	< 3300	330	Solid	ug/kg	A2
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A2
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A2
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A2
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A2
		Chrysene	< 3300	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	4700	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0014	ACS-SSSB83-6.5	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 29-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0015	ACS-SSSB83-10.5	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	380	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	36000	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	1400	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	3700	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28, 29-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0016	ACS-SSSB83-6.5(91)	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0017	ACS-SSSB81-4	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0018	ACS-SSSB96-3'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0019	ACS-SSSB85-5'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0020	ACS-SSSB89-3'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	540	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	1500	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 23-JUN-93
Extract Date: 25-JUN-93
Analysis Date: 28-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0021	ACS-SSSB95-3'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	940	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 29-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0022	ACS-SSSB89-5'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 23-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 29-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0023	ACS-SSSB89-5'(91)	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	670	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 23-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 29-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0024	ACS-SSSB88-10.5	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	2000	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	2100	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	61000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 29, 30-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0025	ACS-SSSB81-6	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	< 330	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	< 330	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 30-JUN-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0026	ACS-SSSB84-5'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	27000	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	40000	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	72000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 30-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0027	ACS-SSSB90-3'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	54000	330	Solid	ug/kg	
		Hexachlorobutadiene	10000	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	590	330	Solid	ug/kg	
		Pentachlorophenol	4200	1700	Solid	ug/kg	
		Di-n-butylphthalate	22200	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	240000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 30-JUN-93, 01, 07-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0028	ACS-SSSB90-5'	Bis(2-Chloroethyl)ether	340	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	1500	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	29000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 30-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0029	ACS-SSSB90-5'(91)	Bis(2-Chloroethyl)ether	670	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	7300	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	1900	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	54000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 30-JUN-93, 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

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AMERICAN CHEMICAL SERVICES
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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0030	ACS-SSSB91-3'	Bis(2-Chloroethyl)ether	1800	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	11000	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	16000	330	Solid	ug/kg	
		Hexachlorobutadiene	3900	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	
		Di-n-butylphthalate	13000	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	110000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 22-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 30-JUN-93, 07-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0031	ACS-SSSB86-3'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A3
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Isophorone	< 3300	330	Solid	ug/kg	A3
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Naphthalene	< 3300	330	Solid	ug/kg	A3
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A3
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A3
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A3, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A3
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A3
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A3
		Chrysene	< 3300	330	Solid	ug/kg	A3
		Bis(2-ethylhexyl)phthalate	60000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A3
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A3
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A3
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A3

Sample Date: 22-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 01-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0032	ACS-SSSB91-5'	Bis(2-Chloroethyl)ether	< 13000	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 13000	330	Solid	ug/kg	A2
		Isophorone	< 13000	330	Solid	ug/kg	A2
		1,2,4-Trichlorobenzene	< 13000	330	Solid	ug/kg	A2
		Naphthalene	850000	330	Solid	ug/kg	
		Hexachlorobutadiene	< 13000	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 13000	330	Solid	ug/kg	A2, A6
		n-Nitrosodiphenylamine	< 13000	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 13000	330	Solid	ug/kg	A2
		Pentachlorophenol	< 65000	1700	Solid	ug/kg	A2, A6
		Di-n-butylphthalate	370000	330	Solid	ug/kg	
		Chrysene	< 13000	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	1100000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 13000	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 13000	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 13000	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 13000	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 13000	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 13000	330	Solid	ug/kg	A2

Sample Date: 22-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 01, 02-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0033	ACS-SSSB92-3'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Isophorone	< 3300	330	Solid	ug/kg	A2
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Naphthalene	< 3300	330	Solid	ug/kg	A2
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A2, A6
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A2
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A2, A6
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A2
		Chrysene	< 3300	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	18000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A2

Sample Date: 23-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 02-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0034	ACS-SSSB92-5'	Bis(2-Chloroethyl)ether	< 330	330	Solid	ug/kg	
		1,4-Dichlorobenzene	< 330	330	Solid	ug/kg	
		Isophorone	< 330	330	Solid	ug/kg	
		1,2,4-Trichlorobenzene	< 330	330	Solid	ug/kg	
		Naphthalene	2400	330	Solid	ug/kg	
		Hexachlorobutadiene	< 330	330	Solid	ug/kg	
		2,4-Dinitrotoluene	< 330	330	Solid	ug/kg	A6
		n-Nitrosodiphenylamine	< 330	330	Solid	ug/kg	G15
		Hexachlorobenzene	< 330	330	Solid	ug/kg	
		Pentachlorophenol	< 1700	1700	Solid	ug/kg	A6
		Di-n-butylphthalate	< 330	330	Solid	ug/kg	
		Chrysene	< 330	330	Solid	ug/kg	
		Bis(2-ethylhexyl)phthalate	590	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(k)fluoranthene	< 330	330	Solid	ug/kg	
		Benzo(a)pyrene	< 330	330	Solid	ug/kg	
		Indeno(1,2,3-cd)pyrene	< 330	330	Solid	ug/kg	
		Dibenzo(a,h)anthracene	< 330	330	Solid	ug/kg	
		Benzo(g,h,i)perylene	< 330	330	Solid	ug/kg	

Sample Date: 23-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 02-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0035	ACS-SSSB93-3'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A2, A6
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A2, A6
		Isophorone	< 3300	330	Solid	ug/kg	A2, A6
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A2, A6
		Naphthalene	3600	330	Solid	ug/kg	A6
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A2, A6
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A2, A6
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A2, A6, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A2, A6
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A2, A6
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A2, A6
		Chrysene	< 3300	330	Solid	ug/kg	A2, A6
		Bis(2-ethylhexyl)phthalate	20000	330	Solid	ug/kg	A6
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A2, A6
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A2, A6
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A2, A6
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A2, A6
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A2, A6
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A2, A6

Sample Date: 23-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 02-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

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GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0036	ACS-SSSB93-5'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Isophorone	< 3300	330	Solid	ug/kg	A2
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Naphthalene	3300	330	Solid	ug/kg	
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A2, A6
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A2
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A2, A6
		Di-n-butylphthalate	4400	330	Solid	ug/kg	
		Chrysene	< 3300	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	25000	330	Solid	ug/kg	
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A2

Sample Date: 23-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 02-JUL-93

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Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0037	ACS-SSSB94-3'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A2
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Isophorone	< 3300	330	Solid	ug/kg	A2
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A2
		Naphthalene	8400	330	Solid	ug/kg	
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A2
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A2, A6
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A2, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A2
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A2, A6
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A2
		Chrysene	< 3300	330	Solid	ug/kg	A2
		Bis(2-ethylhexyl)phthalate	< 3300	330	Solid	ug/kg	A2
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A2
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A2
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A2
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A2
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A2

Sample Date: 23-JUN-93
Extract Date: 29-JUN-93
Analysis Date: 02-JUL-93

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(608) 251-4747
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AMERICAN CHEMICAL SERVICES
GRIFFITH IN
Project Number: 20007001

Sample #	Site	Test	Result	RL	Matrix	Units	Footnotes
6941-0038	ACS-SSSB94-5'	Bis(2-Chloroethyl)ether	< 3300	330	Solid	ug/kg	A3
		1,4-Dichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Isophorone	< 3300	330	Solid	ug/kg	A3
		1,2,4-Trichlorobenzene	< 3300	330	Solid	ug/kg	A3
		Naphthalene	5600	330	Solid	ug/kg	
		Hexachlorobutadiene	< 3300	330	Solid	ug/kg	A3
		2,4-Dinitrotoluene	< 3300	330	Solid	ug/kg	A3
		n-Nitrosodiphenylamine	< 3300	330	Solid	ug/kg	A3, G15
		Hexachlorobenzene	< 3300	330	Solid	ug/kg	A3
		Pentachlorophenol	< 17000	1700	Solid	ug/kg	A3
		Di-n-butylphthalate	< 3300	330	Solid	ug/kg	A3
		Chrysene	< 3300	330	Solid	ug/kg	A3
		Bis(2-ethylhexyl)phthalate	< 3300	330	Solid	ug/kg	A3
		Benzo(b)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(k)fluoranthene	< 3300	330	Solid	ug/kg	A3
		Benzo(a)pyrene	< 3300	330	Solid	ug/kg	A3
		Indeno(1,2,3-cd)pyrene	< 3300	330	Solid	ug/kg	A3
		Dibenzo(a,h)anthracene	< 3300	330	Solid	ug/kg	A3
		Benzo(g,h,i)perylene	< 3300	330	Solid	ug/kg	A3

Sample Date: 23-JUN-93
Extract Date: 28-JUN-93
Analysis Date: 06-JUL-93

Note: Results in ug/kg are reported on a dry weight basis.

RL = Reporting Limit
WI Lab Certification ID#: 113138300

Ck'd: App'd:
Date Issued: 7/13/93

WARZYN

CHAIN OF CUSTODY RECORD

№ 008161

Soil

PROJECT No. 20007001

PROJECT NAME ACS

CITY & STATE Griffith INDIANA

SAMPLERS (Signature) [signature]

See other Shipments for proper meeting.

* ATTN Sheila Tauschek
* 1-2 week TAT
See "List" for correct detection limits and parameters
* Due Project Specific QC TAG #s

LAB No.	DATE	TIME	COMP.	GRAB	STATION LOCATION	No. OF CONTAINERS	VOCs 8010/8020	SVOCs and PCBs	~~TAL Metals~~ Dup 6/17/93				REMARKS
6941-0002	6/21/93	1440		X	ACS SSSB77-7'	3	2	1					9-17805,06,07
-0003	↓	1450		↓	ACS SSSB77-9'	3	2	1					9-17808,09,10
-0004	6/22/93	910			ACS-SSSB82-4½	2	1	1					9-17754,56
-0005		920			ACS-SSSB82-6½	2	1	1					9-17757,58
[redacted]	6/21/93	1750			ACS-SSSB80-6 (MS/MSD)	3	2	1					9-17811,12,13
-0007	6/21/93	1800			ACS-SSSB80-8	3	2	1					9-17755, 9-17814,15
-0008	6/21/93	1650			ACS-SSSB79-6	2	1	1					9-17759,60
-0009	6/21/93	1705			ACS-SSSB79-8	2	1	1					9-17761,63
-0010	6/21/93	1540			ACS-SSSB78-7	2	1	1					9-17777,78
↓-0012	6/21/93	1545		↓	ACS SSSB78-10	2	1	1					9-17775,76

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
	~~1850~~				
[signature]	6/23/93 1850				
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature) [signature]		Date/Time 6-24-93 11:00AM	

REMARKS Chain of Custody Seal #s 92-02373,74
Federal Express Airbill # 5439418202

PROJECT MANAGER: MARTY HAMPER
Ship to WARZYN MADISON WISCONSIN

[illegible] on ice [illegible]

WARZYN

CHAIN OF CUSTODY RECORD

№ 008162

8010

PROJECT No. 20007001 / 102

PROJECT NAME: ACS

CITY & STATE: Griffith Indiana

SAMPLERS (Signature): [signature]

*ATTN Sheila Tanachek
*1-2 week TAT
See "List" for correct Detection Limits and Parameters
* Due Project Specific QC Tag #s

LAB No.	DATE	TIME	COMP.	GRAB	STATION LOCATION	No. OF CONTAINERS	VOCs	SVOCs and PCBs	TAL Metals Dep 6/17/93				REMARKS
6941-0006	6/22/93	1350		X	ACS-SSSB87-7'	3	2	1					9-17712, 13, 14
-0013		1300			ACS-SSSB87-11'	3	2	1					9-17715, 16, 17
-0001		1115			ACS-SSSB88-7½'	3	2	1					9-17718, 19, 20
-0001		1115			ACS-SSSB88-7½ (MS/MSD)	2	1	1					9-17721, 49
-0021		1645			ACS-SSSB95-3' (MS/MSD)	2	1	1					9-17750, 22
-0014		800			ACS-SSSB83-6.5	3	2	1					9-17723, 24, 25
-0015		810			ACS-SSSB83-10.5	3	2	1					9-17729, 30, 9-17801
-0016		800			ACS-SSSB83-6.5 (91)	3	2	1					9-17726, 27, 28
-0017		910			ACS-SSSB81-4	3	2	1					9-17802, 03, 04

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/93 1800				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)		Date/Time	
		[signature]		6.24.93 11:00 am	

REMARKS: Chain of Custody Seal #s 92-02371, 72
Fed Ex airbill # 5439418176
Intact, rec'd on ice rec'd bed etc

PROJECT MANAGER: MARTY HAMPER
Shipped to WARZYN LAB MADISON, WISC.

WARZYN

CHAIN OF CUSTODY RECORD

№ 008163

Soil

PROJECT No. 20007001

PROJECT NAME ACS

CITY & STATE Griffith, INDIANA

SAMPLERS (Signature) [signature]

* ATTN Sheila Tauxhek
* 1-2 week TAT
See "List" for correct Detection Limits and Parameters
* Due Project Specific QC

LAB No.	DATE	TIME	COMP.	GRAB	STATION LOCATION	No. OF CONTAINERS	VOCs	SVOCs and PCBs	~~TAL metals~~ exp 6/17/93				REMARKS TAG #s
6941-0026	6/22/93	1130		X	ACS - SSSB 84 - 5'	3	2	1					9-17820, 21, 22
-0027		1710			ACS - SSSB 90 - 3'	3	2	1					9-17823, 24, 25
-0028		1720			ACS - SSSB 90 - 5'	3	2	1					9-17826, 27, 28
-0029		1700			ACS - SSSB 90 - 5' (91)	3	2	1					9-17752, 53
-0030		1800			ACS - SSSB 91 - 3'	3	2	1					9-17838, 39, 40
-0032		1810			ACS - SSSB 91 - 5'	3	2	1					9-17829, 30, 31
-0033	6/23/93	730			ACS - SSSB 92 - 3'	3	2	1					9-17832, 33, 34
-0034		740			ACS - SSSB 92 - 5'	3	2	1					9-17835, 36, 37
-0035		1020			ACS - SSSB 93 - 3'	3	2	1					9-17841, 42, 43
-0036		1030			ACS - SSSB 93 - 5'	2 ~~3~~	~~2~~ 1	1					9-17844, 45, 46 Jar Broke 1 VOC only
-0037		900			ACS - SSSB 94 - 3'	3	2	1					9-17847, 48, 49
-0038		910			ACS - SSSB 94 - 5'	3	2	1					9-17928, 29, 30

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/93 1700				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)		Date/Time	
		[signature]		6-24-93 11:00 am	

REMARKS Chain of Custody Seal #s 92-02367, 68
Fed Ex air bill # 5439418191

PROJECT MANAGER: MARTY HAMPER

Shipped to WARZYN LAB MADISON WI

Intact, rec'd on ice rec'd [illegible]

Distribution: White [illegible]

WARZYN

CHAIN OF CUSTODY RECORD

№ 008166

SOIL

PROJECT No. 20007001

PROJECT NAME: ACS

CITY & STATE: Griffith, INDIANA

SAMPLERS (Signature): [signature]

* ATTN Sheila Tauscher
* 1-2 week TAT
See "List" for correct detection limits and parameters
* Due Project Specific QC

LAB No.	DATE	TIME	COMP.	GRAB	STATION LOCATION	No. OF CONTAINERS	VOCs	SVOCs and PCBs	~~TAL Metals~~				REMARKS TAG #s
6941-0021	6/22/93	1645		X	ACS SSSB 95 - 3'	3	2	1					9-17937, 38, 39
-0018	6/22/93	1615			ACS - SSSB 96 - 3'	3	2	1					9-17934, 35, 36
-0019		1555			ACS - SSSB 85 - 5'	3	2	1					9-17931, 32, 33
-0031		1445			ACS - SSSB 86 - 3'	3	2	1					9-17743, 44, 45
-0031	6/22/93	1445			ACS - SSSB 86 - 3' MS/MSD	3	2	1					9-17746, 47, 48
-0020	6/23/93	810			ACS - SSSB 89 - 3'	3	2	1					9-17940, 41, 42
-0022		810			ACS - SSSB 89 - 5'	3	2	1					9-17701, 02, 03
-0023		810			ACS - SSSB 89 - 5' (9) MS/MSD	2	1	1					9-17704, 05
					~~ACS - SSSB 8~~ DAP 6/23/93								
6/22/93	6/23/93	1145-0024			ACS - SSSB 88 - 10.5	3	2	1					9-17706, 07, 08
DAP 6/23/93													
0025	6/22/93	900			ACS - SSSB 81 - 4	3	2	1					9-17709, 10, 11

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
[signature]	6/23/93 1800				
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)		Date/Time	
		[signature]		6-24-93 11:00 AM	

REMARKS: Chain of Custody Seal #s 92-02369, 92-02370
Fed Ex Airbill # 5439418180

PROJECT MANAGER: MARTY HAMPER

Shipped to Warzyn Inc. Madison WI

Contact rec'd on ice. rec'd [illegible]

WARZYN

CHAIN OF CUSTODY RECORD

№ 008167

PROJECT No. 20007001/200

PROJECT NAME ACS

CITY & STATE Griffith, INDIANA

SAMPLERS (Signature) David A. Piegzski

LAB No.	DATE	TIME	COMP.	GRAB	STATION LOCATION	No. OF CONTAINERS	VOCS	SVOCS + PCBs					REMARKS
6941-0025	6/22/93	900		X	ACS-SSSB81-6	3	2	1					NOTE - THIS is THE corrected Sample for THE sample ACS-SSSB81 listed on Chain of Custody # 008166. Sample should've read - ACS-SSSB81-6
													Dap 7/27/93
													Previous log in # for This Sample was 6941-0025

Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
David A. Piegzski					
Relinquished by: (Signature)	Date / Time	Received by: (Signature)	Relinquished by: (Signature)	Date / Time	Received by: (Signature)
Relinquished by: (Signature)	Date / Time	Received for Laboratory by: (Signature)		Date/Time	

REMARKS

PROJECT MANAGER: MARTY HAMPER

C

GROUNDWATER ELEVATION MEASUREMENTS

Table V
Groundwater Elevations
June 24, 1993

	Top of Casing Elevation	Groundwater Level	Groundwater Elevation June-93	Average Groundwater Elevation August 1989 to September 1990
MW02	638.14	4.94	633.20	632.37
MW03	636.56	3.45	633.11	632.99
MW04	641.06	5.12	635.94	634.81
MW05	642.20	5.52	636.68	634.96
MW06	655.25	20.02	635.23	633.64
MW07*	641.51	17.59	623.92	622.39
MW08*	640.49	17.08	623.41	621.88
MW09*	639.05	15.37	623.68	622.14
MW10*	635.58	12.35	623.23	621.47
MW11	640.52	4.99	635.53	634.69
MW14	638.59	6.45	632.14	630.75
P2	645.59	9.05	636.54	634.43
P4	639.28	2.98	636.30	634.40
P8	639.21	2.82	636.39	635.03
P9	638.90	2.90	636.00	634.91
P10	649.37	13.54	635.83	633.96
P11	649.17	13.34	635.83	633.92
P12	650.11	15.05	635.06	633.47
P14	649.35	14.76	634.59	633.75
P24	636.08	4.64	631.44	631.50
P28	644.53	9.14	635.39	633.95
P29	642.34	5.64	636.70	635.11
P30	642.49	5.90	636.59	634.95
P31	641.05	5.51	635.54	634.57
P33	640.08	4.02	636.06	634.28
P34	639.38	4.14	635.24	633.86
P38	639.87	4.53	635.34	633.95
P40	639.31	4.41	634.90	634.64
P41	638.53	3.73	634.80	634.31
SG1R	633.28	2.00	631.28	631.17

Notes:
P = Piezometer
MW = Monitoring well
SG = Staff gauge
All water levels taken from top of inner casing (TOIC)
* = Well/Piezometer screened in lower aquifer

DAP/jrs/TAB
[chi j:acstable4]