

APPENDIX B

Phase II ESA Analytical Results

July 15, 2009

Steve Young
Material Testing Consultants
693 Plymouth NE
Grand Rapids, MI 49505

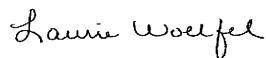
RE: Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Dear Steve Young:

Enclosed are the analytical results for sample(s) received by the laboratory on July 08, 2009. The results relate only to the samples included in this report. Results reported here in conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Laurie Woelfel

laurie.woelfel@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Page 1 of 72

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CERTIFICATIONS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Green Bay Certification IDs

Wisconsin DATCP Certification #: 105-444
Wisconsin DATCP Certification #: 105-444
Wisconsin Certification #: 405132750
Wisconsin Certification #: 405132750
South Carolina Certification #: 83006001
South Carolina Certification #: 83006001
North Dakota Certification #: R-200
North Dakota Certification #: R-150
North Carolina Certification #: 503
North Carolina Certification #: 503
New York Certification #: 11887

New York Certification #: 11888
Minnesota Certification #: 055-999-334
Minnesota Certification #: 055-999-334
Louisiana Certification #: 04169
Louisiana Certification #: 04168
Kentucky Certification #: 83
Kentucky Certification #: 82
Illinois Certification #: 200051
Illinois Certification #: 200050
Florida/NELAP Certification #: E87951
Florida/NELAP Certification #: E87948

REPORT OF LABORATORY ANALYSIS

Page 2 of 72

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SAMPLE SUMMARY

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Lab ID	Sample ID	Matrix	Date Collected	Date Received
4019545001	B-1 0.3-1.2'	Solid	07/06/09 13:56	07/08/09 09:55
4019545002	B-2 0.5-2.0'	Solid	07/06/09 14:22	07/08/09 09:55
4019545003	B-3 1.0-2.0'	Solid	07/06/09 14:55	07/08/09 09:55
4019545004	B-4 0.0-1.8'	Solid	07/06/09 15:16	07/08/09 09:55
4019545005	B-5 0.0-1.2'	Solid	07/06/09 15:57	07/08/09 09:55
4019545006	B-6 0.5-2.5'	Solid	07/06/09 16:26	07/08/09 09:55
4019545007	B-7 1.2-2.0'	Solid	07/06/09 17:04	07/08/09 09:55
4019545008	B-8 1.0-2.7'	Solid	07/06/09 17:32	07/08/09 09:55
4019545009	B-9 0.0-1.8'	Solid	07/06/09 18:20	07/08/09 09:55
4019545010	B-10 0.3-2.6'	Solid	07/06/09 18:31	07/08/09 09:55
4019545011	B-11 0.3-1.2'	Solid	07/07/09 09:15	07/08/09 09:55
4019545012	B-12 3.5-4.5'	Solid	07/07/09 09:28	07/08/09 09:55
4019545013	B-13 0.7-1.4'	Solid	07/07/09 09:58	07/08/09 09:55
4019545014	B-14 0.7-2.0'	Solid	07/07/09 10:13	07/08/09 09:55
4019545015	B-15 1.0-3.0'	Solid	07/07/09 11:04	07/08/09 09:55
4019545016	B-16 1.0-2.5'	Solid	07/07/09 11:20	07/08/09 09:55
4019545017	B-17 0.6-1.2'	Solid	07/07/09 13:09	07/08/09 09:55
4019545018	B-18 0.6-1.2'	Solid	07/07/09 13:32	07/08/09 09:55

REPORT OF LABORATORY ANALYSIS

Page 3 of 72

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SAMPLE ANALYTE COUNT

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4019545001	B-1 0.3-1.2'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
4019545002	B-2 0.5-2.0'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
4019545003	B-3 1.0-2.0'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
4019545004	B-4 0.0-1.8'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
4019545005	B-5 0.0-1.2'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
4019545006	B-6 0.5-2.5'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G

REPORT OF LABORATORY ANALYSIS

Page 4 of 72

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SAMPLE ANALYTE COUNT

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4019545007	B-7 1.2-2.0'	EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
4019545008	B-8 1.0-2.7'	EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
4019545009	B-9 0.0-1.8'	EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
4019545010	B-10 0.3-2.6'	EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
4019545011	B-11 0.3-1.2'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Page 5 of 72

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SAMPLE ANALYTE COUNT

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4019545012	B-12 3.5-4.5'	EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
4019545013	B-13 0.7-1.4'	EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4019545014	B-14 0.7-2.0'		LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
4019545015	B-15 1.0-3.0'	ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
4019545016	B-16 1.0-2.5'	EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G
		ASTM D2974-87	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G

REPORT OF LABORATORY ANALYSIS

Page 6 of 72

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SAMPLE ANALYTE COUNT

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
4019545017	B-17 0.6-1.2'	ASTM D2974-87	LMS	1	PASI-G
		EPA 6010	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
4019545018	B-18 0.6-1.2'	ASTM D2974-87	LMS	1	PASI-G
		EPA 6010	ARB	1	PASI-G
		EPA 6010	DLB	9	PASI-G
		EPA 6010	DLB	3	PASI-G
		EPA 7471	LMS	1	PASI-G
		EPA 8260	JJB	77	PASI-G
		EPA 8270 by SIM	ARO	20	PASI-G
			LMS	1	PASI-G

REPORT OF LABORATORY ANALYSIS

Page 7 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-1 0.3-1.2' Lab ID: 4019545001 Collected: 07/06/09 13:56 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	4.1 mg/kg		2.2	1	07/09/09 10:40	07/09/09 18:56	7440-38-2	
Barium	45.9 mg/kg		0.55	1	07/09/09 10:40	07/09/09 18:56	7440-39-3	
Cadmium	ND mg/kg		0.55	1	07/09/09 10:40	07/09/09 18:56	7440-43-9	
Chromium	10.5 mg/kg		0.55	1	07/09/09 10:40	07/09/09 18:56	7440-47-3	
Copper	6.8 mg/kg		1.1	1	07/09/09 10:40	07/09/09 18:56	7440-50-8	
Lead	45.3 mg/kg		1.1	1	07/09/09 10:40	07/09/09 18:56	7439-92-1	
Selenium	ND mg/kg		2.2	1	07/09/09 10:40	07/09/09 18:56	7782-49-2	
Silver	ND mg/kg		1.1	1	07/09/09 10:40	07/09/09 18:56	7440-22-4	
Zinc	69.8 mg/kg		4.4	1	07/09/09 10:40	07/09/09 18:56	7440-66-6	
Lead Soil Fractionation								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	31.6 mg/kg		1.0	1	07/13/09 13:15	07/14/09 13:28	7439-92-1	
Lead Fine	41.0 mg/kg		1.0	1	07/13/09 14:15	07/14/09 11:25	7439-92-1	
Lead Total	35.4 mg/kg		0.50	1		07/15/09 11:34	7439-92-1	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.047 mg/kg		0.011	1	07/13/09 10:05	07/13/09 14:58	7439-97-6	
Lead Soil Fractionation								
Analytical Method:								
Percent Moisture	11.6 %		0.10	1		07/13/09 10:01		
8270 MSSV PAH by SIM								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	83-32-9	
Acenaphthylene	ND ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	208-96-8	
Anthracene	348 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	120-12-7	
Benzo(a)anthracene	626 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	56-55-3	
Benzo(a)pyrene	545 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	50-32-8	
Benzo(b)fluoranthene	522 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	205-99-2	
Benzo(g,h,i)perylene	316 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	191-24-2	
Benzo(k)fluoranthene	508 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	207-08-9	
Chrysene	702 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	53-70-3	
Fluoranthene	1570 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	206-44-0	
Fluorene	ND ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	86-73-7	
Indeno(1,2,3-cd)pyrene	285 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	193-39-5	
1-Methylnaphthalene	ND ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	90-12-0	
2-Methylnaphthalene	ND ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	91-57-6	
Naphthalene	ND ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	91-20-3	
Phenanthrene	951 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	85-01-8	
Pyrene	1230 ug/kg		151	8	07/10/09 11:05	07/10/09 21:20	129-00-0	
2-Fluorobiphenyl (S)	75 %		38-130	8	07/10/09 11:05	07/10/09 21:20	321-60-8	
Terphenyl-d14 (S)	79 %		41-130	8	07/10/09 11:05	07/10/09 21:20	1718-51-0	
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND ug/kg		283	1	07/09/09 10:03	07/09/09 11:54	67-64-1	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 8 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-1 0.3-1.2' Lab ID: 4019545001 Collected: 07/06/09 13:56 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND	ug/kg	2830	1	07/09/09 10:03	07/09/09 11:54	107-02-8	
Acrylonitrile	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	107-13-1	
Benzene	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 11:54	71-43-2	
Bromobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	108-86-1	
Bromochloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	74-97-5	
Bromodichloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-27-4	
Bromoform	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-25-2	
Bromomethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	74-83-9	
2-Butanone (MEK)	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	78-93-3	
n-Butylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	104-51-8	
sec-Butylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	135-98-8	
tert-Butylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	98-06-6	
Carbon disulfide	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-15-0	
Carbon tetrachloride	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	56-23-5	
Chlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	108-90-7	
Chloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	110-75-8	
Chloroform	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	67-66-3	
Chloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	74-87-3	
2-Chlorotoluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	95-49-8	
4-Chlorotoluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	96-12-8	
Dibromochloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	106-93-4	
Dibromomethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-71-8	
1,1-Dichloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-34-3	
1,2-Dichloroethane	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 11:54	107-06-2	
1,1-Dichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	156-60-5	
1,2-Dichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	78-87-5	
1,3-Dichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	142-28-9	
2,2-Dichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	594-20-7	
1,1-Dichloropropene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	60-29-7	
Ethylbenzene	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 11:54	100-41-4	
2-Hexanone	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	591-78-6	
Iodomethane	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	98-82-8	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-1 0.3-1.2' Lab ID: 4019545001 Collected: 07/06/09 13:56 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	99-87-6	
Methylene Chloride	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	1634-04-4	
Naphthalene	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	91-20-3	
n-Propylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	103-65-1	
Styrene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	79-34-5	
Tetrachloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	127-18-4	
Tetrahydrofuran	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	109-99-9	
Toluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	79-00-5	
Trichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	79-01-6	
Trichlorofluoromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	108-67-8	
Vinyl acetate	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 11:54	108-05-4	
Vinyl chloride	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	75-01-4	
Xylene (Total)	ND	ug/kg	84.8	1	07/09/09 10:03	07/09/09 11:54	1330-20-7	
m&p-Xylene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 11:54	1330-20-7	
o-Xylene	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 11:54	95-47-6	
Dibromofluoromethane (S)	106 %		70-150	1	07/09/09 10:03	07/09/09 11:54	1868-53-7	
Toluene-d8 (S)	113 %		70-155	1	07/09/09 10:03	07/09/09 11:54	2037-26-5	
4-Bromofluorobenzene (S)	109 %		70-147	1	07/09/09 10:03	07/09/09 11:54	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.8 %	0.10	1	07/09/09 08:06
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-2 0.5-2.0' Lab ID: 4019545002 Collected: 07/06/09 14:22 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	5.9 mg/kg		2.1	1	07/09/09 10:40	07/09/09 19:00	7440-38-2	
Barium	77.0 mg/kg		0.53	1	07/09/09 10:40	07/09/09 19:00	7440-39-3	
Cadmium	ND mg/kg		0.53	1	07/09/09 10:40	07/09/09 19:00	7440-43-9	
Chromium	14.3 mg/kg		0.53	1	07/09/09 10:40	07/09/09 19:00	7440-47-3	
Copper	11.5 mg/kg		1.1	1	07/09/09 10:40	07/09/09 19:00	7440-50-8	
Lead	21.3 mg/kg		1.1	1	07/09/09 10:40	07/09/09 19:00	7439-92-1	
Selenium	ND mg/kg		2.1	1	07/09/09 10:40	07/09/09 19:00	7782-49-2	
Silver	ND mg/kg		1.1	1	07/09/09 10:40	07/09/09 19:00	7440-22-4	
Zinc	43.8 mg/kg		4.3	1	07/09/09 10:40	07/09/09 19:00	7440-66-6	

Lead Soil Fractionation Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	6.27 mg/kg		0.95	1	07/13/09 13:15	07/14/09 13:35	7439-92-1	
Lead Fine	7.69 mg/kg		0.99	1	07/13/09 14:15	07/14/09 11:49	7439-92-1	
Lead Total	6.8 mg/kg		0.50	1		07/15/09 11:34	7439-92-1	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND mg/kg		0.011	1	07/13/09 10:05	07/13/09 15:00	7439-97-6	

Lead Soil Fractionation Analytical Method:								
Percent Moisture	7.8 %		0.10	1		07/13/09 10:01		

8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	83-32-9	
Acenaphthylene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	208-96-8	
Anthracene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	120-12-7	
Benzo(a)anthracene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	56-55-3	
Benzo(a)pyrene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	50-32-8	
Benzo(b)fluoranthene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	205-99-2	
Benzo(g,h,i)perylene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	191-24-2	
Benzo(k)fluoranthene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	207-08-9	
Chrysene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	218-01-9	
Dibenz(a,h)anthracene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	53-70-3	
Fluoranthene	21.2 ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	206-44-0	
Fluorene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	193-39-5	
1-Methylnaphthalene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	90-12-0	
2-Methylnaphthalene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	91-57-6	
Naphthalene	ND ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	91-20-3	
Phenanthrene	21.7 ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	85-01-8	
Pyrene	18.6 ug/kg		18.1	1	07/10/09 11:05	07/10/09 17:24	129-00-0	
2-Fluorobiphenyl (S)	62 %		38-130	1	07/10/09 11:05	07/10/09 17:24	321-60-8	
Terphenyl-d14 (S)	72 %		41-130	1	07/10/09 11:05	07/10/09 17:24	1718-51-0	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Acetone	ND ug/kg		271	1	07/09/09 10:03	07/09/09 12:17	67-64-1	
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Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 11 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-2 0.5-2.0' Lab ID: 4019545002 Collected: 07/06/09 14:22 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND	ug/kg	2710	1	07/09/09 10:03	07/09/09 12:17	107-02-8	
Acrylonitrile	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	107-13-1	
Benzene	ND	ug/kg	27.1	1	07/09/09 10:03	07/09/09 12:17	71-43-2	
Bromobenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	108-86-1	
Bromochloromethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	74-97-5	
Bromodichloromethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-27-4	
Bromoform	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-25-2	
Bromomethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	74-83-9	
2-Butanone (MEK)	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	78-93-3	
n-Butylbenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	104-51-8	
sec-Butylbenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	135-98-8	
tert-Butylbenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	98-06-6	
Carbon disulfide	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-15-0	
Carbon tetrachloride	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	56-23-5	
Chlorobenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	108-90-7	
Chloroethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	110-75-8	
Chloroform	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	67-66-3	
Chloromethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	74-87-3	
2-Chlorotoluene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	95-49-8	
4-Chlorotoluene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	96-12-8	
Dibromochloromethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	106-93-4	
Dibromomethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-71-8	
1,1-Dichloroethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-34-3	
1,2-Dichloroethane	ND	ug/kg	27.1	1	07/09/09 10:03	07/09/09 12:17	107-06-2	
1,1-Dichloroethene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	156-60-5	
1,2-Dichloropropane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	78-87-5	
1,3-Dichloropropane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	142-28-9	
2,2-Dichloropropane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	594-20-7	
1,1-Dichloropropene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	60-29-7	
Ethylbenzene	ND	ug/kg	27.1	1	07/09/09 10:03	07/09/09 12:17	100-41-4	
2-Hexanone	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	591-78-6	
Iodomethane	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	98-82-8	

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REPORT OF LABORATORY ANALYSIS

Page 12 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-2 0.5-2.0' Lab ID: 4019545002 Collected: 07/06/09 14:22 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	99-87-6	
Methylene Chloride	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	1634-04-4	
Naphthalene	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	91-20-3	
n-Propylbenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	103-65-1	
Styrene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	79-34-5	
Tetrachloroethene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	127-18-4	
Tetrahydrofuran	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	109-99-9	
Toluene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	79-00-5	
Trichloroethene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	79-01-6	
Trichlorofluoromethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	108-67-8	
Vinyl acetate	ND	ug/kg	271	1	07/09/09 10:03	07/09/09 12:17	108-05-4	
Vinyl chloride	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	75-01-4	
Xylene (Total)	ND	ug/kg	81.3	1	07/09/09 10:03	07/09/09 12:17	1330-20-7	
m&p-Xylene	ND	ug/kg	54.2	1	07/09/09 10:03	07/09/09 12:17	1330-20-7	
o-Xylene	ND	ug/kg	27.1	1	07/09/09 10:03	07/09/09 12:17	95-47-6	
Dibromofluoromethane (S)	102 %		70-150	1	07/09/09 10:03	07/09/09 12:17	1868-53-7	
Toluene-d8 (S)	111 %		70-155	1	07/09/09 10:03	07/09/09 12:17	2037-26-5	
4-Bromofluorobenzene (S)	107 %		70-147	1	07/09/09 10:03	07/09/09 12:17	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	11.5 %	0.10	1	07/09/09 08:06
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-3 1.0-2.0' Lab ID: 4019545003 Collected: 07/06/09 14:55 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	31.7	mg/kg	2.1	1	07/09/09 10:40	07/09/09 19:04	7440-38-2	
Barium	45.0	mg/kg	0.52	1	07/09/09 10:40	07/09/09 19:04	7440-39-3	
Cadmium	ND	mg/kg	0.52	1	07/09/09 10:40	07/09/09 19:04	7440-43-9	
Chromium	10.9	mg/kg	0.52	1	07/09/09 10:40	07/09/09 19:04	7440-47-3	
Copper	13.9	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:04	7440-50-8	
Lead	59.7	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:04	7439-92-1	
Selenium	ND	mg/kg	2.1	1	07/09/09 10:40	07/09/09 19:04	7782-49-2	
Silver	ND	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:04	7440-22-4	
Zinc	258	mg/kg	4.2	1	07/09/09 10:40	07/09/09 19:04	7440-66-6	
Lead Soil Fractionation Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	37.9	mg/kg	0.97	1	07/13/09 13:15	07/14/09 13:39	7439-92-1	
Lead Fine	92.1	mg/kg	1.0	1	07/13/09 14:15	07/14/09 11:52	7439-92-1	
Lead Total	67.2	mg/kg	0.50	1		07/15/09 11:34	7439-92-1	
7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.045	mg/kg	0.012	1	07/13/09 10:05	07/13/09 15:01	7439-97-6	
Lead Soil Fractionation Analytical Method:								
Percent Moisture	18.3	%	0.10	1		07/13/09 10:01		
8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	83-32-9	
Acenaphthylene	ND	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	208-96-8	
Anthracene	228	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	120-12-7	
Benzo(a)anthracene	440	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	56-55-3	
Benzo(a)pyrene	427	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	50-32-8	
Benzo(b)fluoranthene	351	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	205-99-2	
Benzo(g,h,i)perylene	262	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	191-24-2	
Benzo(k)fluoranthene	353	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	207-08-9	
Chrysene	426	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	218-01-9	
Dibenz(a,h)anthracene	90.3	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	53-70-3	
Fluoranthene	1130	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	206-44-0	
Fluorene	ND	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	86-73-7	
Indeno(1,2,3-cd)pyrene	234	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	193-39-5	
1-Methylnaphthalene	ND	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	90-12-0	
2-Methylnaphthalene	ND	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	91-57-6	
Naphthalene	ND	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	91-20-3	
Phenanthrene	473	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	85-01-8	
Pyrene	784	ug/kg	68.0	3.33	07/10/09 11:05	07/14/09 13:14	129-00-0	
2-Fluorobiphenyl (S)	69	%	38-130	3.33	07/10/09 11:05	07/14/09 13:14	321-60-8	
Terphenyl-d14 (S)	66	%	41-130	3.33	07/10/09 11:05	07/14/09 13:14	1718-51-0	
8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	67-64-1	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 14 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-3 1.0-2.0' Lab ID: 4019545003 Collected: 07/06/09 14:55 Received: 07/08/09 09:55 Matrix: Solid
Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND	ug/kg	3060	1	07/09/09 10:03	07/09/09 12:40	107-02-8	
Acrylonitrile	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	107-13-1	
Benzene	ND	ug/kg	30.6	1	07/09/09 10:03	07/09/09 12:40	71-43-2	
Bromobenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	108-86-1	
Bromochloromethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	74-97-5	
Bromodichloromethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-27-4	
Bromoform	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-25-2	
Bromomethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	74-83-9	
2-Butanone (MEK)	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	78-93-3	
n-Butylbenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	104-51-8	
sec-Butylbenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	135-98-8	
tert-Butylbenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	98-06-6	
Carbon disulfide	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-15-0	
Carbon tetrachloride	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	56-23-5	
Chlorobenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	108-90-7	
Chloroethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	110-75-8	
Chloroform	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	67-66-3	
Chloromethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	74-87-3	
2-Chlorotoluene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	95-49-8	
4-Chlorotoluene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	96-12-8	
Dibromochloromethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	106-93-4	
Dibromomethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-71-8	
1,1-Dichloroethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-34-3	
1,2-Dichloroethane	ND	ug/kg	30.6	1	07/09/09 10:03	07/09/09 12:40	107-06-2	
1,1-Dichloroethene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	156-60-5	
1,2-Dichloropropane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	78-87-5	
1,3-Dichloropropane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	142-28-9	
2,2-Dichloropropane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	594-20-7	
1,1-Dichloropropene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	60-29-7	
Ethylbenzene	ND	ug/kg	30.6	1	07/09/09 10:03	07/09/09 12:40	100-41-4	
2-Hexanone	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	591-78-6	
Iodomethane	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	98-82-8	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 15 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-3 1.0-2.0' Lab ID: 4019545003 Collected: 07/06/09 14:55 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	99-87-6	
Methylene Chloride	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	1634-04-4	
Naphthalene	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	91-20-3	
n-Propylbenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	103-65-1	
Styrene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	79-34-5	
Tetrachloroethene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	127-18-4	
Tetrahydrofuran	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	109-99-9	
Toluene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	79-00-5	
Trichloroethene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	79-01-6	
Trichlorofluoromethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	108-67-8	
Vinyl acetate	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 12:40	108-05-4	
Vinyl chloride	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	75-01-4	
Xylene (Total)	ND	ug/kg	91.8	1	07/09/09 10:03	07/09/09 12:40	1330-20-7	
m&p-Xylene	ND	ug/kg	61.2	1	07/09/09 10:03	07/09/09 12:40	1330-20-7	
o-Xylene	ND	ug/kg	30.6	1	07/09/09 10:03	07/09/09 12:40	95-47-6	
Dibromofluoromethane (S)	98 %		70-150	1	07/09/09 10:03	07/09/09 12:40	1868-53-7	
Toluene-d8 (S)	106 %		70-155	1	07/09/09 10:03	07/09/09 12:40	2037-26-5	
4-Bromofluorobenzene (S)	102 %		70-147	1	07/09/09 10:03	07/09/09 12:40	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	15.8 %	0.10	1	07/09/09 08:06
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-4 0.0-1.8' Lab ID: 4019545004 Collected: 07/06/09 15:16 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	11.3 mg/kg		2.1	1	07/09/09 10:40	07/09/09 19:08	7440-38-2	
Barium	89.0 mg/kg		0.53	1	07/09/09 10:40	07/09/09 19:08	7440-39-3	
Cadmium	0.89 mg/kg		0.53	1	07/09/09 10:40	07/09/09 19:08	7440-43-9	
Chromium	14.8 mg/kg		0.53	1	07/09/09 10:40	07/09/09 19:08	7440-47-3	
Copper	24.4 mg/kg		1.1	1	07/09/09 10:40	07/09/09 19:08	7440-50-8	
Lead	79.2 mg/kg		1.1	1	07/09/09 10:40	07/09/09 19:08	7439-92-1	
Selenium	ND mg/kg		2.1	1	07/09/09 10:40	07/09/09 19:08	7782-49-2	
Silver	ND mg/kg		1.1	1	07/09/09 10:40	07/09/09 19:08	7440-22-4	
Zinc	158 mg/kg		4.2	1	07/09/09 10:40	07/09/09 19:08	7440-66-6	
Lead Soil Fractionation								
Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	55.9 mg/kg		0.99	1	07/13/09 13:15	07/14/09 13:43	7439-92-1	
Lead Fine	119 mg/kg		0.91	1	07/13/09 14:15	07/14/09 11:56	7439-92-1	
Lead Total	74.2 mg/kg		0.50	1		07/15/09 11:34	7439-92-1	
7471 Mercury								
Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.044 mg/kg		0.011	1	07/13/09 10:05	07/13/09 15:02	7439-97-6	
Lead Soil Fractionation								
Analytical Method:								
Percent Moisture	7.1 %		0.10	1		07/13/09 10:01		
8270 MSSV PAH by SIM								
Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	83-32-9	
Acenaphthylene	ND ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	208-96-8	
Anthracene	56.5 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	120-12-7	
Benzo(a)anthracene	94.9 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	56-55-3	
Benzo(a)pyrene	98.7 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	50-32-8	
Benzo(b)fluoranthene	92.2 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	205-99-2	
Benzo(g,h,i)perylene	78.7 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	191-24-2	
Benzo(k)fluoranthene	92.4 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	207-08-9	
Chrysene	105 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	218-01-9	
Dibenz(a,h)anthracene	23.0 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	53-70-3	
Fluoranthene	252 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	206-44-0	
Fluorene	ND ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	86-73-7	
Indeno(1,2,3-cd)pyrene	63.5 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	193-39-5	
1-Methylnaphthalene	ND ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	90-12-0	
2-Methylnaphthalene	ND ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	91-57-6	
Naphthalene	ND ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	91-20-3	
Phenanthrene	143 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	85-01-8	
Pyrene	190 ug/kg		17.9	1	07/10/09 11:05	07/10/09 18:32	129-00-0	
2-Fluorobiphenyl (S)	71 %		38-130	1	07/10/09 11:05	07/10/09 18:32	321-60-8	
Terphenyl-d14 (S)	78 %		41-130	1	07/10/09 11:05	07/10/09 18:32	1718-51-0	
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND ug/kg		269	1	07/09/09 10:03	07/09/09 13:03	67-64-1	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 17 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-4 0.0-1.8' Lab ID: 4019545004 Collected: 07/06/09 15:16 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND ug/kg	2690	1	07/09/09 10:03	07/09/09 13:03	107-02-8		
Acrylonitrile	ND ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	107-13-1		
Benzene	ND ug/kg	26.9	1	07/09/09 10:03	07/09/09 13:03	71-43-2		
Bromobenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	108-86-1		
Bromochloromethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	74-97-5		
Bromodichloromethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-27-4		
Bromoform	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-25-2		
Bromomethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	74-83-9		
2-Butanone (MEK)	ND ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	78-93-3		
n-Butylbenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	104-51-8		
sec-Butylbenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	135-98-8		
tert-Butylbenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	98-06-6		
Carbon disulfide	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-15-0		
Carbon tetrachloride	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	56-23-5		
Chlorobenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	108-90-7		
Chloroethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-00-3		
2-Chloroethylvinyl ether	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	110-75-8		
Chloroform	ND ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	67-66-3		
Chloromethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	74-87-3		
2-Chlorotoluene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	95-49-8		
4-Chlorotoluene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	106-43-4		
1,2-Dibromo-3-chloropropane	ND ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	96-12-8		
Dibromochloromethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	124-48-1		
1,2-Dibromoethane (EDB)	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	106-93-4		
Dibromomethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	74-95-3		
1,2-Dichlorobenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	95-50-1		
1,3-Dichlorobenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	541-73-1		
1,4-Dichlorobenzene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	106-46-7		
trans-1,4-Dichloro-2-butene	ND ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	110-57-6		
Dichlorodifluoromethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-71-8		
1,1-Dichloroethane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-34-3		
1,2-Dichloroethane	ND ug/kg	26.9	1	07/09/09 10:03	07/09/09 13:03	107-06-2		
1,1-Dichloroethene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-35-4		
cis-1,2-Dichloroethene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	156-59-2		
trans-1,2-Dichloroethene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	156-60-5		
1,2-Dichloropropane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	78-87-5		
1,3-Dichloropropane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	142-28-9		
2,2-Dichloropropane	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	594-20-7		
1,1-Dichloropropene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	563-58-6		
cis-1,3-Dichloropropene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	10061-01-5		
trans-1,3-Dichloropropene	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	10061-02-6		
Diethyl ether (Ethyl ether)	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	60-29-7		
Ethylbenzene	ND ug/kg	26.9	1	07/09/09 10:03	07/09/09 13:03	100-41-4		
2-Hexanone	ND ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	591-78-6		
Iodomethane	ND ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	74-88-4		
Isopropylbenzene (Cumene)	ND ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	98-82-8		

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REPORT OF LABORATORY ANALYSIS

Page 18 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-4 0.0-1.8' Lab ID: 4019545004 Collected: 07/06/09 15:16 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	99-87-6	
Methylene Chloride	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	1634-04-4	
Naphthalene	ND	ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	91-20-3	
n-Propylbenzene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	103-65-1	
Styrene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	79-34-5	
Tetrachloroethene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	127-18-4	
Tetrahydrofuran	ND	ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	109-99-9	
Toluene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	79-00-5	
Trichloroethene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	79-01-6	
Trichlorofluoromethane	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	108-67-8	
Vinyl acetate	ND	ug/kg	269	1	07/09/09 10:03	07/09/09 13:03	108-05-4	
Vinyl chloride	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	75-01-4	
Xylene (Total)	ND	ug/kg	80.8	1	07/09/09 10:03	07/09/09 13:03	1330-20-7	
m&p-Xylene	ND	ug/kg	53.8	1	07/09/09 10:03	07/09/09 13:03	1330-20-7	
o-Xylene	ND	ug/kg	26.9	1	07/09/09 10:03	07/09/09 13:03	95-47-6	
Dibromofluoromethane (S)	112 %		70-150	1	07/09/09 10:03	07/09/09 13:03	1868-53-7	
Toluene-d8 (S)	124 %		70-155	1	07/09/09 10:03	07/09/09 13:03	2037-26-5	
4-Bromofluorobenzene (S)	123 %		70-147	1	07/09/09 10:03	07/09/09 13:03	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	14.1 %	0.10	1	07/09/09 08:06
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-5 0.0-1.2' Lab ID: 4019545005 Collected: 07/06/09 15:57 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	3.9	mg/kg	2.0	1	07/09/09 10:40	07/09/09 19:12	7440-38-2	
Barium	79.4	mg/kg	0.51	1	07/09/09 10:40	07/09/09 19:12	7440-39-3	
Cadmium	ND	mg/kg	0.51	1	07/09/09 10:40	07/09/09 19:12	7440-43-9	
Chromium	15.6	mg/kg	0.51	1	07/09/09 10:40	07/09/09 19:12	7440-47-3	
Copper	10.4	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:12	7440-50-8	
Lead	22.5	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:12	7439-92-1	
Selenium	ND	mg/kg	2.0	1	07/09/09 10:40	07/09/09 19:12	7782-49-2	
Silver	ND	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:12	7440-22-4	
Zinc	65.4	mg/kg	4.0	1	07/09/09 10:40	07/09/09 19:12	7440-66-6	

Lead Soil Fractionation

Analytical Method: EPA 6010 Preparation Method: EPA 3050

Lead Coarse	31.0	mg/kg	1.0	1	07/13/09 13:15	07/14/09 13:47	7439-92-1	
Lead Fine	29.2	mg/kg	0.98	1	07/13/09 14:15	07/14/09 12:00	7439-92-1	
Lead Total	30.6	mg/kg	0.50	1		07/15/09 11:34	7439-92-1	

7471 Mercury

Analytical Method: EPA 7471 Preparation Method: EPA 7471

Mercury	0.043	mg/kg	0.011	1	07/13/09 10:05	07/13/09 15:06	7439-97-6	
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Lead Soil Fractionation

Analytical Method:

Percent Moisture	11.7	%	0.10	1		07/13/09 10:01		
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8270 MSSV PAH by SIM

Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546

Acenaphthene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	83-32-9	
Acenaphthylene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	208-96-8	
Anthracene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	120-12-7	
Benzo(a)anthracene	20.9	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	56-55-3	
Benzo(a)pyrene	20.0	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	50-32-8	
Benzo(b)fluoranthene	19.1	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	191-24-2	
Benzo(k)fluoranthene	22.8	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	207-08-9	
Chrysene	24.7	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	53-70-3	
Fluoranthene	45.8	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	206-44-0	
Fluorene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	193-39-5	
1-Methylnaphthalene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	90-12-0	
2-Methylnaphthalene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	91-57-6	
Naphthalene	ND	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	91-20-3	
Phenanthrene	22.4	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	85-01-8	
Pyrene	36.5	ug/kg	18.9	1	07/10/09 11:05	07/10/09 18:48	129-00-0	
2-Fluorobiphenyl (S)	62	%	38-130	1	07/10/09 11:05	07/10/09 18:48	321-60-8	
Terphenyl-d14 (S)	74	%	41-130	1	07/10/09 11:05	07/10/09 18:48	1718-51-0	

8260 MSV Med Level Full List

Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Acetone	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	67-64-1	
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Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 20 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-5 0.0-1.2' Lab ID: 4019545005 Collected: 07/06/09 15:57 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND	ug/kg	2830	1	07/09/09 10:03	07/09/09 13:26	107-02-8	
Acrylonitrile	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	107-13-1	
Benzene	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 13:26	71-43-2	
Bromobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	108-86-1	
Bromochloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	74-97-5	
Bromodichloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-27-4	
Bromoform	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-25-2	
Bromomethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	74-83-9	
2-Butanone (MEK)	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	78-93-3	
n-Butylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	104-51-8	
sec-Butylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	135-98-8	
tert-Butylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	98-06-6	
Carbon disulfide	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-15-0	
Carbon tetrachloride	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	56-23-5	
Chlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	108-90-7	
Chloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	110-75-8	
Chloroform	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	67-66-3	
Chloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	74-87-3	
2-Chlorotoluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	95-49-8	
4-Chlorotoluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	96-12-8	
Dibromochloromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	106-93-4	
Dibromomethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-71-8	
1,1-Dichloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-34-3	
1,2-Dichloroethane	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 13:26	107-06-2	
1,1-Dichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	156-60-5	
1,2-Dichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	78-87-5	
1,3-Dichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	142-28-9	
2,2-Dichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	594-20-7	
1,1-Dichloropropene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	60-29-7	
Ethylbenzene	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 13:26	100-41-4	
2-Hexanone	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	591-78-6	
Iodomethane	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	98-82-8	

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REPORT OF LABORATORY ANALYSIS

Page 21 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-5 0.0-1.2' Lab ID: 4019545005 Collected: 07/06/09 15:57 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	99-87-6	
Methylene Chloride	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	1634-04-4	
Naphthalene	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	91-20-3	
n-Propylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	103-65-1	
Styrene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	79-34-5	
Tetrachloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	127-18-4	
Tetrahydrofuran	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	109-99-9	
Toluene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	79-00-5	
Trichloroethene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	79-01-6	
Trichlorofluoromethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	108-67-8	
Vinyl acetate	ND	ug/kg	283	1	07/09/09 10:03	07/09/09 13:26	108-05-4	
Vinyl chloride	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	75-01-4	
Xylene (Total)	ND	ug/kg	85.0	1	07/09/09 10:03	07/09/09 13:26	1330-20-7	
m&p-Xylene	ND	ug/kg	56.6	1	07/09/09 10:03	07/09/09 13:26	1330-20-7	
o-Xylene	ND	ug/kg	28.3	1	07/09/09 10:03	07/09/09 13:26	95-47-6	
Dibromofluoromethane (S)	122 %		70-150	1	07/09/09 10:03	07/09/09 13:26	1868-53-7	
Toluene-d8 (S)	137 %		70-155	1	07/09/09 10:03	07/09/09 13:26	2037-26-5	
4-Bromofluorobenzene (S)	131 %		70-147	1	07/09/09 10:03	07/09/09 13:26	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	13.1 %	0.10	1	07/09/09 08:06
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-6 0.5-2.5' Lab ID: 4019545006 Collected: 07/06/09 16:26 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	4.4	mg/kg	2.2	1	07/09/09 10:40	07/09/09 19:24	7440-38-2	
Barium	40.7	mg/kg	0.56	1	07/09/09 10:40	07/09/09 19:24	7440-39-3	
Cadmium	ND	mg/kg	0.56	1	07/09/09 10:40	07/09/09 19:24	7440-43-9	
Chromium	12.4	mg/kg	0.56	1	07/09/09 10:40	07/10/09 13:55	7440-47-3	
Copper	7.3	mg/kg	1.1	1	07/09/09 10:40	07/10/09 13:55	7440-50-8	
Lead	11.3	mg/kg	1.1	1	07/09/09 10:40	07/09/09 19:24	7439-92-1	
Selenium	ND	mg/kg	2.2	1	07/09/09 10:40	07/09/09 19:24	7782-49-2	
Silver	ND	mg/kg	1.1	1	07/09/09 10:40	07/10/09 13:55	7440-22-4	
Zinc	32.1	mg/kg	4.5	1	07/09/09 10:40	07/09/09 19:24	7440-66-6	

Lead Soil Fractionation Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	16.3	mg/kg	0.97	1	07/13/09 13:15	07/14/09 13:51	7439-92-1	
Lead Fine	21.0	mg/kg	0.96	1	07/13/09 14:15	07/14/09 12:04	7439-92-1	
Lead Total	18.3	mg/kg	0.50	1		07/15/09 11:34	7439-92-1	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.034	mg/kg	0.012	1	07/13/09 10:05	07/13/09 15:08	7439-97-6	

Lead Soil Fractionation Analytical Method:								
Percent Moisture	15.1	%	0.10	1		07/13/09 10:01		

8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	83-32-9	
Acenaphthylene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	208-96-8	
Anthracene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	120-12-7	
Benzo(a)anthracene	25.7	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	56-55-3	
Benzo(a)pyrene	20.9	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	207-08-9	
Chrysene	26.9	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	53-70-3	
Fluoranthene	55.8	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	206-44-0	
Fluorene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	193-39-5	
1-Methylnaphthalene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	90-12-0	
2-Methylnaphthalene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	91-57-6	
Naphthalene	ND	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	91-20-3	
Phenanthrene	32.7	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	85-01-8	
Pyrene	45.9	ug/kg	19.6	1	07/10/09 11:05	07/10/09 19:05	129-00-0	
2-Fluorobiphenyl (S)	67	%	38-130	1	07/10/09 11:05	07/10/09 19:05	321-60-8	
Terphenyl-d14 (S)	85	%	41-130	1	07/10/09 11:05	07/10/09 19:05	1718-51-0	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	67-64-1	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 23 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-6 0.5-2.5' Lab ID: 4019545006 Collected: 07/06/09 16:26 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND	ug/kg	2940	1	07/09/09 10:03	07/09/09 13:49	107-02-8	
Acrylonitrile	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	107-13-1	
Benzene	ND	ug/kg	29.4	1	07/09/09 10:03	07/09/09 13:49	71-43-2	
Bromobenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	108-86-1	
Bromochloromethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	74-97-5	
Bromodichloromethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	75-27-4	
Bromoform	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	75-25-2	
Bromomethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	74-83-9	
2-Butanone (MEK)	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	78-93-3	
n-Butylbenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	104-51-8	
sec-Butylbenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	135-98-8	
tert-Butylbenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	98-06-6	
Carbon disulfide	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	75-15-0	
Carbon tetrachloride	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	56-23-5	
Chlorobenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	108-90-7	
Chloroethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	110-75-8	
Chloroform	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	67-66-3	
Chloromethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	74-87-3	
2-Chlorotoluene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	95-49-8	
4-Chlorotoluene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	96-12-8	
Dibromochloromethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	106-93-4	
Dibromomethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	75-71-8	
1,1-Dichloroethane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	75-34-3	
1,2-Dichloroethane	ND	ug/kg	29.4	1	07/09/09 10:03	07/09/09 13:49	107-06-2	
1,1-Dichloroethene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	156-60-5	
1,2-Dichloropropane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	78-87-5	
1,3-Dichloropropane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	142-28-9	
2,2-Dichloropropane	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	594-20-7	
1,1-Dichloropropene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	60-29-7	
Ethylbenzene	ND	ug/kg	29.4	1	07/09/09 10:03	07/09/09 13:49	100-41-4	
2-Hexanone	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	591-78-6	
Iodomethane	ND	ug/kg	294	1	07/09/09 10:03	07/09/09 13:49	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	58.9	1	07/09/09 10:03	07/09/09 13:49	98-82-8	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 24 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-6 0.5-2.5' Lab ID: 4019545006 Collected: 07/06/09 16:26 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	99-87-6	
Methylene Chloride	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	108-10-1	
Methyl-tert-butyl ether	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	1634-04-4	
Naphthalene	ND ug/kg		294	1	07/09/09 10:03	07/09/09 13:49	91-20-3	
n-Propylbenzene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	103-65-1	
Styrene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	79-34-5	
Tetrachloroethene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	127-18-4	
Tetrahydrofuran	ND ug/kg		294	1	07/09/09 10:03	07/09/09 13:49	109-99-9	
Toluene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	108-88-3	
1,2,4-Trichlorobenzene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	120-82-1	
1,1,1-Trichloroethane	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	71-55-6	
1,1,2-Trichloroethane	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	79-00-5	
Trichloroethene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	79-01-6	
Trichlorofluoromethane	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	75-69-4	
1,2,3-Trichloropropane	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	76-13-1	
1,2,3-Trimethylbenzene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	526-73-8	
1,2,4-Trimethylbenzene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	95-63-6	
1,3,5-Trimethylbenzene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	108-67-8	
Vinyl acetate	ND ug/kg		294	1	07/09/09 10:03	07/09/09 13:49	108-05-4	
Vinyl chloride	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	75-01-4	
Xylene (Total)	ND ug/kg		88.3	1	07/09/09 10:03	07/09/09 13:49	1330-20-7	
m&p-Xylene	ND ug/kg		58.9	1	07/09/09 10:03	07/09/09 13:49	1330-20-7	
o-Xylene	ND ug/kg		29.4	1	07/09/09 10:03	07/09/09 13:49	95-47-6	
Dibromofluoromethane (S)	104 %		70-150	1	07/09/09 10:03	07/09/09 13:49	1868-53-7	
Toluene-d8 (S)	115 %		70-155	1	07/09/09 10:03	07/09/09 13:49	2037-26-5	
4-Bromofluorobenzene (S)	112 %		70-147	1	07/09/09 10:03	07/09/09 13:49	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	12.5 %	0.10	1	07/09/09 08:07
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-7 1.2-2.0' Lab ID: 4019545007 Collected: 07/06/09 17:04 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	24.8	mg/kg	2.2	1	07/09/09 10:40	07/09/09 19:28	7440-38-2	
Barium	66.6	mg/kg	0.54	1	07/09/09 10:40	07/09/09 19:28	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	07/09/09 10:40	07/09/09 19:28	7440-43-9	
Chromium	12.3	mg/kg	0.54	1	07/09/09 10:40	07/09/09 19:28	7440-47-3	
Copper	13.7	mg/kg	1.1	1	07/09/09 10:40	07/10/09 13:59	7440-50-8	
Lead	25.4	mg/kg	1.1	1	07/09/09 10:40	07/09/09 19:28	7439-92-1	
Selenium	ND	mg/kg	2.2	1	07/09/09 10:40	07/09/09 19:28	7782-49-2	
Silver	ND	mg/kg	1.1	1	07/09/09 10:40	07/09/09 19:28	7440-22-4	
Zinc	132	mg/kg	4.3	1	07/09/09 10:40	07/09/09 19:28	7440-66-6	

Lead Soil Fractionation Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	9.77	mg/kg	0.99	1	07/13/09 13:15	07/14/09 13:55	7439-92-1	
Lead Fine	60.8	mg/kg	0.99	1	07/13/09 14:15	07/14/09 12:08	7439-92-1	
Lead Total	19.2	mg/kg	0.50	1		07/15/09 11:34	7439-92-1	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	ND	mg/kg	0.011	1	07/13/09 10:05	07/13/09 15:09	7439-97-6	

Lead Soil Fractionation Analytical Method:								
Percent Moisture	10.8	%	0.10	1		07/13/09 10:01		

8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	83-32-9	
Acenaphthylene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	208-96-8	
Anthracene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	120-12-7	
Benzo(a)anthracene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	56-55-3	
Benzo(a)pyrene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	207-08-9	
Chrysene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	53-70-3	
Fluoranthene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	206-44-0	
Fluorene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	193-39-5	
1-Methylnaphthalene	3000	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	90-12-0	
2-Methylnaphthalene	3660	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	91-57-6	
Naphthalene	2280	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	91-20-3	
Phenanthrene	1720	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	85-01-8	
Pyrene	ND	ug/kg	374	20	07/10/09 11:05	07/10/09 14:01	129-00-0	
2-Fluorobiphenyl (S)	69	%	38-130	20	07/10/09 11:05	07/10/09 14:01	321-60-8	
Terphenyl-d14 (S)	69	%	41-130	20	07/10/09 11:05	07/10/09 14:01	1718-51-0	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	67-64-1	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 26 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-7 1.2-2.0' Lab ID: 4019545007 Collected: 07/06/09 17:04 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND	ug/kg	2800	1	07/09/09 10:03	07/09/09 14:12	107-02-8	
Acrylonitrile	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	107-13-1	
Benzene	46.1	ug/kg	28.0	1	07/09/09 10:03	07/09/09 14:12	71-43-2	
Bromobenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	108-86-1	
Bromochloromethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	74-97-5	
Bromodichloromethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-27-4	
Bromoform	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-25-2	
Bromomethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	74-83-9	
2-Butanone (MEK)	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	78-93-3	
n-Butylbenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	104-51-8	
sec-Butylbenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	135-98-8	
tert-Butylbenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	98-06-6	
Carbon disulfide	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-15-0	
Carbon tetrachloride	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	56-23-5	
Chlorobenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	108-90-7	
Chloroethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	110-75-8	
Chloroform	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	67-66-3	
Chloromethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	74-87-3	
2-Chlorotoluene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	95-49-8	
4-Chlorotoluene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	96-12-8	
Dibromochloromethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	106-93-4	
Dibromomethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-71-8	
1,1-Dichloroethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-34-3	
1,2-Dichloroethane	ND	ug/kg	28.0	1	07/09/09 10:03	07/09/09 14:12	107-06-2	
1,1-Dichloroethene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	156-60-5	
1,2-Dichloropropane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	78-87-5	
1,3-Dichloropropane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	142-28-9	
2,2-Dichloropropane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	594-20-7	
1,1-Dichloropropene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	60-29-7	
Ethylbenzene	88.0	ug/kg	28.0	1	07/09/09 10:03	07/09/09 14:12	100-41-4	
2-Hexanone	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	591-78-6	
Iodomethane	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	98-82-8	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 27 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-7 1.2-2.0' Lab ID: 4019545007 Collected: 07/06/09 17:04 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	99-87-6	
Methylene Chloride	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	1634-04-4	
Naphthalene	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	91-20-3	
n-Propylbenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	103-65-1	
Styrene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	79-34-5	
Tetrachloroethene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	127-18-4	
Tetrahydrofuran	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	109-99-9	
Toluene	299	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	79-00-5	
Trichloroethene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	79-01-6	
Trichlorofluoromethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	76-13-1	
1,2,3-Trimethylbenzene	82.1	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	526-73-8	
1,2,4-Trimethylbenzene	186	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	108-67-8	
Vinyl acetate	ND	ug/kg	280	1	07/09/09 10:03	07/09/09 14:12	108-05-4	
Vinyl chloride	ND	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	75-01-4	
Xylene (Total)	692	ug/kg	84.1	1	07/09/09 10:03	07/09/09 14:12	1330-20-7	
m&p-Xylene	404	ug/kg	56.1	1	07/09/09 10:03	07/09/09 14:12	1330-20-7	
o-Xylene	288	ug/kg	28.0	1	07/09/09 10:03	07/09/09 14:12	95-47-6	
Dibromofluoromethane (S)	94 %		70-150	1	07/09/09 10:03	07/09/09 14:12	1868-53-7	
Toluene-d8 (S)	102 %		70-155	1	07/09/09 10:03	07/09/09 14:12	2037-26-5	
4-Bromofluorobenzene (S)	98 %		70-147	1	07/09/09 10:03	07/09/09 14:12	460-00-4	

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	27.3 %	0.10	1	07/09/09 08:07
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-8 1.0-2.7' Lab ID: 4019545008 Collected: 07/06/09 17:32 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	6.6 mg/kg		2.1	1	07/09/09 10:40	07/09/09 19:32	7440-38-2	
Barium	145 mg/kg		0.52	1	07/09/09 10:40	07/09/09 19:32	7440-39-3	
Cadmium	ND mg/kg		0.52	1	07/09/09 10:40	07/09/09 19:32	7440-43-9	
Chromium	87.3 mg/kg		2.6	5	07/09/09 10:40	07/10/09 14:03	7440-47-3	
Copper	14.2 mg/kg		1.0	1	07/09/09 10:40	07/10/09 14:07	7440-50-8	
Lead	62.0 mg/kg		5.2	5	07/09/09 10:40	07/10/09 14:03	7439-92-1	
Selenium	ND mg/kg		10.4	5	07/09/09 10:40	07/10/09 14:03	7782-49-2	D3
Silver	ND mg/kg		5.2	5	07/09/09 10:40	07/10/09 14:03	7440-22-4	D3
Zinc	105 mg/kg		20.9	5	07/09/09 10:40	07/10/09 14:03	7440-66-6	

Lead Soil Fractionation Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	113 mg/kg		9.5	10	07/13/09 13:15	07/14/09 15:31	7439-92-1	
Lead Fine	150 mg/kg		9.8	10	07/13/09 14:15	07/14/09 15:27	7439-92-1	
Lead Total	118 mg/kg		0.50	1		07/15/09 11:34	7439-92-1	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.021 mg/kg		0.011	1	07/13/09 10:05	07/13/09 15:10	7439-97-6	

Lead Soil Fractionation Analytical Method:								
Percent Moisture	11.3 %		0.10	1		07/13/09 10:01		

8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	2760 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	83-32-9	
Acenaphthylene	ND ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	208-96-8	
Anthracene	6070 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	120-12-7	
Benzo(a)anthracene	10500 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	56-55-3	
Benzo(a)pyrene	9480 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	50-32-8	
Benzo(b)fluoranthene	9210 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	205-99-2	
Benzo(g,h,i)perylene	4760 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	191-24-2	
Benzo(k)fluoranthene	8300 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	207-08-9	
Chrysene	10200 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	218-01-9	
Dibenz(a,h)anthracene	2240 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	53-70-3	
Fluoranthene	23100 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	206-44-0	
Fluorene	5750 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	86-73-7	
Indeno(1,2,3-cd)pyrene	4840 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	193-39-5	
1-Methylnaphthalene	3210 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	90-12-0	
2-Methylnaphthalene	3850 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	91-57-6	
Naphthalene	27900 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	91-20-3	
Phenanthrene	18900 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	85-01-8	
Pyrene	15800 ug/kg		751	20	07/10/09 11:05	07/10/09 15:59	129-00-0	
2-Fluorobiphenyl (S)	0 %		38-130	20	07/10/09 11:05	07/10/09 15:59	321-60-8	S4
Terphenyl-d14 (S)	0 %		41-130	20	07/10/09 11:05	07/10/09 15:59	1718-51-0	S4

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B

Acetone	ND ug/kg		15700	40	07/09/09 10:03	07/09/09 18:24	67-64-1	
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Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 29 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-8 1.0-2.7' Lab ID: 4019545008 Collected: 07/06/09 17:32 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND	ug/kg	157000	40	07/09/09 10:03	07/09/09 18:24	107-02-8	
Acrylonitrile	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	107-13-1	
Benzene	ND	ug/kg	1570	40	07/09/09 10:03	07/09/09 18:24	71-43-2	
Bromobenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	108-86-1	
Bromochloromethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	74-97-5	
Bromodichloromethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-27-4	
Bromoform	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-25-2	
Bromomethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	74-83-9	
2-Butanone (MEK)	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	78-93-3	
n-Butylbenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	104-51-8	
sec-Butylbenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	135-98-8	
tert-Butylbenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	98-06-6	
Carbon disulfide	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-15-0	
Carbon tetrachloride	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	56-23-5	
Chlorobenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	108-90-7	
Chloroethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-00-3	
2-Chloroethylvinyl ether	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	110-75-8	
Chloroform	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	67-66-3	
Chloromethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	74-87-3	
2-Chlorotoluene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	95-49-8	
4-Chlorotoluene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	96-12-8	
Dibromochloromethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	106-93-4	
Dibromomethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	74-95-3	
1,2-Dichlorobenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	95-50-1	
1,3-Dichlorobenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	541-73-1	
1,4-Dichlorobenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	110-57-6	
Dichlorodifluoromethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-71-8	
1,1-Dichloroethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-34-3	
1,2-Dichloroethane	ND	ug/kg	1570	40	07/09/09 10:03	07/09/09 18:24	107-06-2	
1,1-Dichloroethene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-35-4	
cis-1,2-Dichloroethene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	156-59-2	
trans-1,2-Dichloroethene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	156-60-5	
1,2-Dichloropropane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	78-87-5	
1,3-Dichloropropane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	142-28-9	
2,2-Dichloropropane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	594-20-7	
1,1-Dichloropropene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	563-58-6	
cis-1,3-Dichloropropene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	10061-02-6	
Diethyl ether (Ethyl ether)	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	60-29-7	
Ethylbenzene	ND	ug/kg	1570	40	07/09/09 10:03	07/09/09 18:24	100-41-4	
2-Hexanone	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	591-78-6	
Iodomethane	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	74-88-4	
Isopropylbenzene (Cumene)	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	98-82-8	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 30 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-8 1.0-2.7' Lab ID: 4019545008 Collected: 07/06/09 17:32 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	99-87-6	
Methylene Chloride	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	1634-04-4	
Naphthalene	150000	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	91-20-3	
n-Propylbenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	103-65-1	
Styrene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	79-34-5	
Tetrachloroethene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	127-18-4	
Tetrahydrofuran	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	109-99-9	
Toluene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	79-00-5	
Trichloroethene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	79-01-6	
Trichlorofluoromethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	108-67-8	
Vinyl acetate	ND	ug/kg	15700	40	07/09/09 10:03	07/09/09 18:24	108-05-4	
Vinyl chloride	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	75-01-4	
Xylene (Total)	ND	ug/kg	4700	40	07/09/09 10:03	07/09/09 18:24	1330-20-7	
m&p-Xylene	ND	ug/kg	3130	40	07/09/09 10:03	07/09/09 18:24	1330-20-7	
o-Xylene	ND	ug/kg	1570	40	07/09/09 10:03	07/09/09 18:24	95-47-6	
Dibromofluoromethane (S)	149 %		70-150	40	07/09/09 10:03	07/09/09 18:24	1868-53-7	
Toluene-d8 (S)	185 %		70-155	40	07/09/09 10:03	07/09/09 18:24	2037-26-5	2j
4-Bromofluorobenzene (S)	172 %		70-147	40	07/09/09 10:03	07/09/09 18:24	460-00-4	2j

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	17.6 %	0.10	1	07/09/09 08:07
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-9 0.0-1.8' Lab ID: 4019545009 Collected: 07/06/09 18:20 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	7.5	mg/kg	2.0	1	07/09/09 10:40	07/09/09 19:36	7440-38-2	
Barium	493	mg/kg	0.50	1	07/09/09 10:40	07/09/09 19:36	7440-39-3	
Cadmium	0.86	mg/kg	0.50	1	07/09/09 10:40	07/09/09 19:36	7440-43-9	
Chromium	20.7	mg/kg	0.50	1	07/09/09 10:40	07/09/09 19:36	7440-47-3	
Copper	103	mg/kg	1.0	1	07/09/09 10:40	07/10/09 14:11	7440-50-8	
Lead	310	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:36	7439-92-1	
Selenium	ND	mg/kg	2.0	1	07/09/09 10:40	07/09/09 19:36	7782-49-2	
Silver	ND	mg/kg	1.0	1	07/09/09 10:40	07/09/09 19:36	7440-22-4	
Zinc	357	mg/kg	4.0	1	07/09/09 10:40	07/09/09 19:36	7440-66-6	

Lead Soil Fractionation Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	79.2	mg/kg	0.99	1	07/13/09 13:15	07/14/09 14:11	7439-92-1	
Lead Fine	44.7	mg/kg	0.95	1	07/13/09 14:15	07/14/09 12:16	7439-92-1	
Lead Total	70.6	mg/kg	0.50	1		07/15/09 11:34	7439-92-1	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.041	mg/kg	0.011	1	07/13/09 10:05	07/13/09 15:12	7439-97-6	

Lead Soil Fractionation Analytical Method:								
Percent Moisture	11.3	%	0.10	1		07/13/09 10:01		

8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	83-32-9	
Acenaphthylene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	208-96-8	
Anthracene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	120-12-7	
Benzo(a)anthracene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	56-55-3	
Benzo(a)pyrene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	3760	20	07/10/09 11:05	07/10/09 15:08	205-99-2	1j
Benzo(g,h,i)perylene	1430	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	3760	20	07/10/09 11:05	07/10/09 15:08	207-08-9	1j
Chrysene	1470	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	53-70-3	
Fluoranthene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	206-44-0	
Fluorene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	193-39-5	
1-Methylnaphthalene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	90-12-0	
2-Methylnaphthalene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	91-57-6	
Naphthalene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	91-20-3	D3
Phenanthrene	ND	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	85-01-8	
Pyrene	1100	ug/kg	940	5	07/10/09 11:05	07/14/09 13:31	129-00-0	
2-Fluorobiphenyl (S)	76	%	38-130	5	07/10/09 11:05	07/14/09 13:31	321-60-8	
Terphenyl-d14 (S)	104	%	41-130	5	07/10/09 11:05	07/14/09 13:31	1718-51-0	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
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Acetone	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 17:15	67-64-1	
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Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 32 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-9 0.0-1.8' Lab ID: 4019545009 Collected: 07/06/09 18:20 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acrolein	ND ug/kg		3060	1	07/09/09 10:03	07/09/09 17:15	107-02-8	
Acrylonitrile	ND ug/kg		306	1	07/09/09 10:03	07/09/09 17:15	107-13-1	
Benzene	ND ug/kg		30.6	1	07/09/09 10:03	07/09/09 17:15	71-43-2	
Bromobenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	108-86-1	
Bromochloromethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	74-97-5	
Bromodichloromethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	75-27-4	
Bromoform	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	75-25-2	
Bromomethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	74-83-9	
2-Butanone (MEK)	ND ug/kg		306	1	07/09/09 10:03	07/09/09 17:15	78-93-3	
n-Butylbenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	104-51-8	
sec-Butylbenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	135-98-8	
tert-Butylbenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	98-06-6	
Carbon disulfide	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	75-15-0	
Carbon tetrachloride	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	56-23-5	
Chlorobenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	108-90-7	
Chloroethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	75-00-3	
2-Chloroethylvinyl ether	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	110-75-8	
Chloroform	ND ug/kg		306	1	07/09/09 10:03	07/09/09 17:15	67-66-3	
Chloromethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	74-87-3	
2-Chlorotoluene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	95-49-8	
4-Chlorotoluene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/kg		306	1	07/09/09 10:03	07/09/09 17:15	96-12-8	
Dibromochloromethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	106-93-4	
Dibromomethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	74-95-3	
1,2-Dichlorobenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	95-50-1	
1,3-Dichlorobenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	541-73-1	
1,4-Dichlorobenzene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	106-46-7	
trans-1,4-Dichloro-2-butene	ND ug/kg		306	1	07/09/09 10:03	07/09/09 17:15	110-57-6	
Dichlorodifluoromethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	75-71-8	
1,1-Dichloroethane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	75-34-3	
1,2-Dichloroethane	ND ug/kg		30.6	1	07/09/09 10:03	07/09/09 17:15	107-06-2	
1,1-Dichloroethene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	75-35-4	
cis-1,2-Dichloroethene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	156-59-2	
trans-1,2-Dichloroethene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	156-60-5	
1,2-Dichloropropane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	78-87-5	
1,3-Dichloropropane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	142-28-9	
2,2-Dichloropropane	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	594-20-7	
1,1-Dichloropropene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	563-58-6	
cis-1,3-Dichloropropene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	10061-01-5	
trans-1,3-Dichloropropene	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	10061-02-6	
Diethyl ether (Ethyl ether)	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	60-29-7	
Ethylbenzene	ND ug/kg		30.6	1	07/09/09 10:03	07/09/09 17:15	100-41-4	
2-Hexanone	ND ug/kg		306	1	07/09/09 10:03	07/09/09 17:15	591-78-6	
Iodomethane	ND ug/kg		306	1	07/09/09 10:03	07/09/09 17:15	74-88-4	
Isopropylbenzene (Cumene)	ND ug/kg		61.3	1	07/09/09 10:03	07/09/09 17:15	98-82-8	

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REPORT OF LABORATORY ANALYSIS

Page 33 of 72

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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-9 0.0-1.8' Lab ID: 4019545009 Collected: 07/06/09 18:20 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV Med Level Full List								
Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
p-Isopropyltoluene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	99-87-6	
Methylene Chloride	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	1634-04-4	
Naphthalene	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 17:15	91-20-3	
n-Propylbenzene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	103-65-1	
Styrene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	79-34-5	
Tetrachloroethene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	127-18-4	
Tetrahydrofuran	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 17:15	109-99-9	
Toluene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	120-82-1	
1,1,1-Trichloroethane	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	79-00-5	
Trichloroethene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	79-01-6	
Trichlorofluoromethane	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	75-69-4	
1,2,3-Trichloropropane	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	96-18-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	76-13-1	
1,2,3-Trimethylbenzene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	526-73-8	
1,2,4-Trimethylbenzene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	108-67-8	
Vinyl acetate	ND	ug/kg	306	1	07/09/09 10:03	07/09/09 17:15	108-05-4	
Vinyl chloride	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	75-01-4	
Xylene (Total)	ND	ug/kg	91.9	1	07/09/09 10:03	07/09/09 17:15	1330-20-7	
m&p-Xylene	ND	ug/kg	61.3	1	07/09/09 10:03	07/09/09 17:15	1330-20-7	
o-Xylene	ND	ug/kg	30.6	1	07/09/09 10:03	07/09/09 17:15	95-47-6	
Dibromofluoromethane (S)	172 %		70-150	1	07/09/09 10:03	07/09/09 17:15	1868-53-7	2j
Toluene-d8 (S)	166 %		70-155	1	07/09/09 10:03	07/09/09 17:15	2037-26-5	2j
4-Bromofluorobenzene (S)	159 %		70-147	1	07/09/09 10:03	07/09/09 17:15	460-00-4	2j

Percent Moisture

Analytical Method: ASTM D2974-87

Percent Moisture	6.0 %	0.10	1	07/09/09 08:07
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ANALYTICAL RESULTS

Project: 081563 MICH STATE FAIRGROUNDS
Pace Project No.: 4019545

Sample: B-10 0.3-2.6' Lab ID: 4019545010 Collected: 07/06/09 18:31 Received: 07/08/09 09:55 Matrix: Solid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Arsenic	2.1	mg/kg	2.2	1	07/09/09 10:40	07/09/09 19:40	7440-38-2	
Barium	59.5	mg/kg	0.54	1	07/09/09 10:40	07/09/09 19:40	7440-39-3	
Cadmium	ND	mg/kg	0.54	1	07/09/09 10:40	07/09/09 19:40	7440-43-9	
Chromium	6.8	mg/kg	0.54	1	07/09/09 10:40	07/09/09 19:40	7440-47-3	
Copper	40.3	mg/kg	1.1	1	07/09/09 10:40	07/10/09 14:15	7440-50-8	
Lead	42.1	mg/kg	1.1	1	07/09/09 10:40	07/09/09 19:40	7439-92-1	
Selenium	ND	mg/kg	2.2	1	07/09/09 10:40	07/09/09 19:40	7782-49-2	
Silver	ND	mg/kg	1.1	1	07/09/09 10:40	07/09/09 19:40	7440-22-4	
Zinc	143	mg/kg	4.3	1	07/09/09 10:40	07/09/09 19:40	7440-66-6	

Lead Soil Fractionation Analytical Method: EPA 6010 Preparation Method: EPA 3050								
Lead Coarse	71.3	mg/kg	0.90	1	07/13/09 13:15	07/14/09 14:15	7439-92-1	
Lead Fine	10.8	mg/kg	0.87	1	07/13/09 14:15	07/14/09 12:20	7439-92-1	
Lead Total	42.1	mg/kg	0.50	1		07/15/09 11:34	7439-92-1	

7471 Mercury Analytical Method: EPA 7471 Preparation Method: EPA 7471								
Mercury	0.022	mg/kg	0.011	1	07/13/09 10:05	07/13/09 15:13	7439-97-6	

Lead Soil Fractionation Analytical Method:								
Percent Moisture	11.1	%	0.10	1		07/13/09 10:01		

8270 MSSV PAH by SIM Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546								
Acenaphthene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	83-32-9	
Acenaphthylene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	208-96-8	
Anthracene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	120-12-7	
Benzo(a)anthracene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	56-55-3	
Benzo(a)pyrene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	50-32-8	
Benzo(b)fluoranthene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	205-99-2	
Benzo(g,h,i)perylene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	191-24-2	
Benzo(k)fluoranthene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	207-08-9	
Chrysene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	218-01-9	
Dibenz(a,h)anthracene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	53-70-3	
Fluoranthene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	206-44-0	
Fluorene	21.7	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	193-39-5	
1-Methylnaphthalene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	90-12-0	
2-Methylnaphthalene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	91-57-6	
Naphthalene	ND	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	91-20-3	
Phenanthrene	47.3	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	85-01-8	
Pyrene	58.4	ug/kg	18.7	1	07/10/09 11:05	07/10/09 19:22	129-00-0	
2-Fluorobiphenyl (S)	54	%	38-130	1	07/10/09 11:05	07/10/09 19:22	321-60-8	
Terphenyl-d14 (S)	69	%	41-130	1	07/10/09 11:05	07/10/09 19:22	1718-51-0	

8260 MSV Med Level Full List Analytical Method: EPA 8260 Preparation Method: EPA 5035/5030B								
Acetone	ND	ug/kg	281	1	07/09/09 10:03	07/09/09 14:35	67-64-1	

Date: 07/15/2009 03:40 PM

REPORT OF LABORATORY ANALYSIS

Page 35 of 72

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