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March 22, 2007

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Subject: Data Evaluation Report in Support of Bioavailability Study, Midland Area Soils

Dear: Mr. Bruchman

CH2M HILL is submitting the *Data Evaluation Report in Support of Bioavailability Study, Midland Area Soils, March 2007* on behalf of The Dow Chemical Company. The report provides the evaluation of soil physical and chemical data collected in accordance with the *Sampling and Analysis Plan in Support of Bioavailabilty Study, Midland Area Soils, June 2006 (Revised November 2006)*. You may contact me at 989-638-8114 or Ben Baker of The Dow Chemical Company at 989-636-0787 if you have any questions.

Sincerely,

Gary Dyke
CH2M HILL

c: Greg Rudloff, Environmental Protection Agency
Terry Walkington, Michigan Department of Environmental Quality
Ben Baker, The Dow Chemical Company

Data Evaluation Report in Support of Bioavailability Study, Midland Area Soils

Prepared for

The Dow Chemical Company

March 2007

CH2MHILL

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Abbreviations and Acronyms

µg/kg	micrograms per kilogram
µm	micrometer
bgs	below ground surface
CV	coefficient of variation
dioxin	polychlorinated dibenzo-p-dioxin
Dow	The Dow Chemical Company
FTCH	Fishbeck, Thompson, Carr, and Huber
furan	polychlorinated dibenzo-p-furans
IDW	investigation-derived waste
MDEQ	Michigan Department of Environmental Quality
MS	matrix spike
MSD	matrix spike duplicate
PCB	polychlorinated biphenyl
ppt	parts per trillion
QC	quality control
RBSL	Risk-Based Screening Level
SAP	sampling and analysis plan
SVOC	semivolatile organic compound
TEF	toxic equivalency factor
TEQ	toxic equivalent, used to report the *toxicity-weighted masses* of mixtures of furans and dioxins
TIC	tentatively identified compound
TOC	total organic carbon
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
WHO	World Health Organization

SECTION 1

Introduction

This report presents the sampling results for physical and chemical parameters measured in soil samples collected in the vicinity of The Dow Chemical Company (Dow) Plant in Midland, Michigan. The Study Area includes the portion of the city of Midland and the surrounding community that may have been impacted by historic aerial releases of chemical substances from the Dow Midland Plant. The Study Area encompasses residential, commercial, industrial, and undeveloped properties surrounding the Midland Plant (Figure 1-1).

1.1 Objectives and Approach

The objectives of this study include the following:

- Characterize the distribution of physical and chemical parameters of soil that are reported to influence bioavailability to identify ranges of soils to be used for potential future bioavailability studies
- Develop additional information on the nature and extent of polychlorinated dibenzo-p-dioxins (dioxins) and polychlorinated dibenzo-p-furans (furans) in Midland area soils
- Determine whether additional Dow-related hazardous substances are present in Midland area soil

1.2 Background

This report was prepared in accordance with the *Midland Representative Soils Sampling and Analysis Plan in Support of Bioavailability Study* (SAP) (CH2M HILL 2006). Dow, the Michigan Department of Environmental Quality (MDEQ), and the U.S. Environmental Protection Agency (USEPA) collaborated to develop a consensus approach to meet the stated SAP objectives. The investigation approach was based on the preliminary conceptual site model of release, aerial transport, and deposition of potentially hazardous constituents from the Midland Plant.

1.3 Report Organization

This report is organized as follows:

- **Section 1** presents an introduction to the Midland area soils study and summarizes the project objectives and background.
- **Section 2** describes the data collection procedures including sampling design, sample collection, and sample analysis.
- **Section 3** summarizes the evaluation of the soil physical and chemical data.

- **Section 4** presents the summary and conclusions of the Midland area soils study.
- **Section 5** lists references cited in this report.

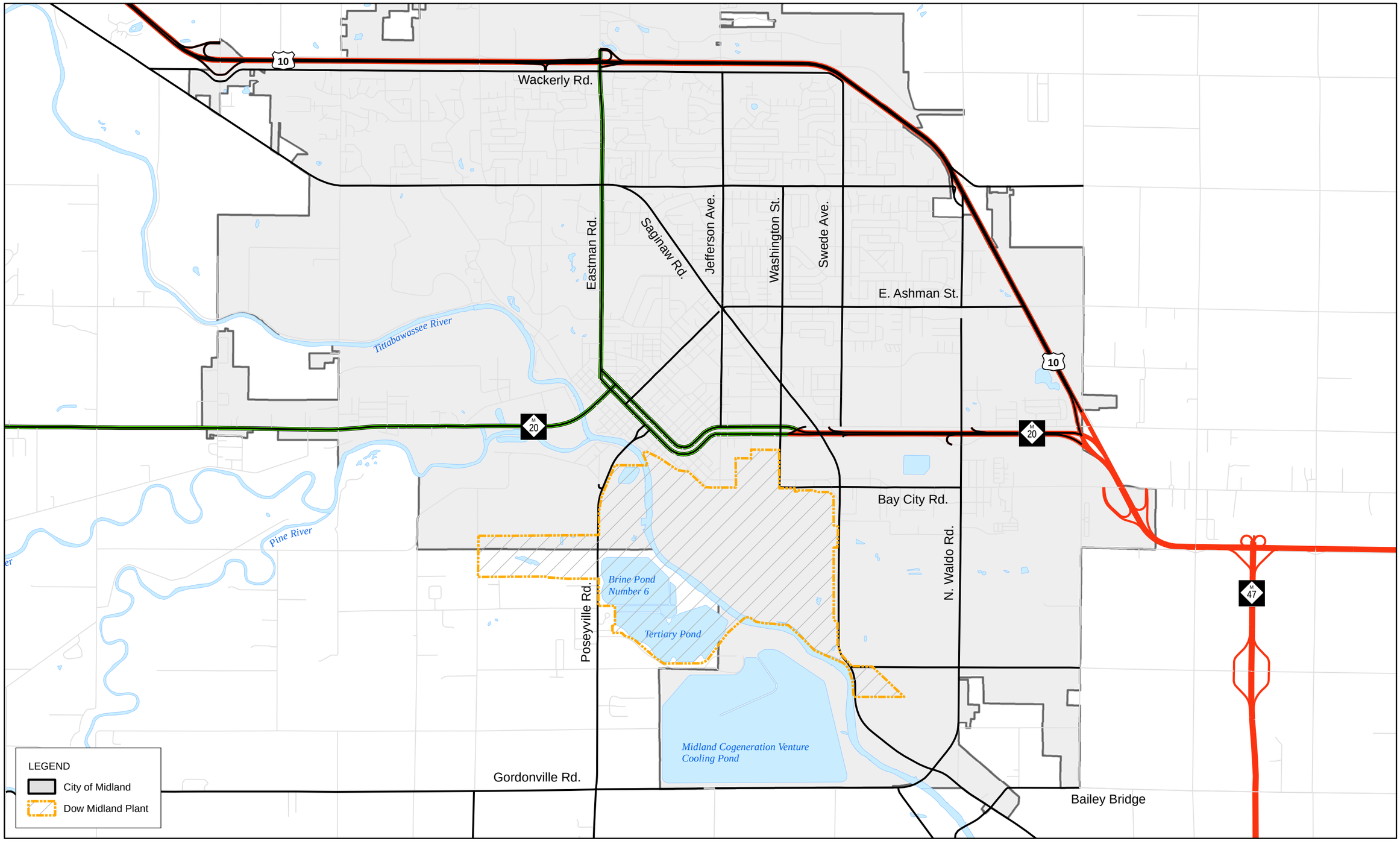

Figure 1-1
Midland Area Map
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

SECTION 2

Data Collection

This section documents the data collection activities for the Midland area soil investigation. Unless otherwise noted, the investigation approach and field sampling procedures were conducted in accordance with the approved SAP. An overview of the sampling design, target analytes, sample collection procedures, and sample management processes are presented below; specific details and informational background presented in the SAP are not reproduced in this document.

2.1 Sample Parcels and Stations

Sampling stations were located on radial transects extending from the Midland Plant site into the surrounding community (Figure 2-1). There were between one and 12 stations in each transect. Generally, each station was approximately 300 feet by 300 feet and included one or more property parcels. One to five parcels were sampled from each station.

A written request for access was sent to the owner of each parcel within a station. If written approval for access to the property was not received before the start of sampling activities, the property owner was contacted by phone or visited onsite to facilitate obtaining access to the property.

Written approval from a minimum number of parcels within a station was required before any parcels within that station could be sampled. Sample stations with one or two parcels required that at least one access approval be provided prior to sampling. Stations with three or more parcels required at least three access approvals prior to sampling. Multiple parcels owned by a single entity within a station were considered a single parcel during this process. A total of 136 of the 145 stations (Figure 2-1) met these minimum requirements and were sampled. No parcel was sampled where written approval was not provided.

2.2 Sample Collection and Analysis

From October 23 through November 20, 2006, soil samples were collected at 136 stations (Figure 2-1). The number of samples collected for each analytical suite, sample depth intervals, and the number quality control (QC) samples are summarized in Table 2-1. Figure 2-2 identifies the analytical suites and depths associated with samples from each station. As previously indicated, samples were collected in accordance with the approved SAP with few exceptions. Table A-1 of Appendix A summarizes these exceptions from the approved protocols.

2.2.1 Soil Sampling Procedure

As specified in the SAP, soil samples were collected from a composite of 15 subsamples equally spaced around the perimeter of a 6-foot-diameter circle. The volatile organic compound (VOC) fraction of the additional chemicals sample was not composited and was

taken directly from one randomly selected subsample. The geographic location, field-interpreted land use, and parcel-specific features where the sample was taken (level of disturbance, recently sodded lawn, etc.) were recorded at the time of sampling. Land areas that had been recently disturbed were avoided, if possible. Care was taken to minimally disturb the area where sampling occurred and to return it to its original condition by filling sample holes with topsoil and replacing turf plugs.

Surface soil (0 to 1 inch below ground surface [bgs]) samples were collected at all locations and subsurface soil samples (1 to 6 inches bgs) were collected at selected stations near the Midland Plant (typically, the first two stations along each transect nearest the Midland Plant). All samples were analyzed for dioxin and furan congeners, and soil parameters were analyzed at most stations (Table 2-2). Soil parameters were not analyzed from sample stations that consist of fully developed industrial or commercial properties because the surface soils in these areas are highly disturbed or are not present (SAP; CH2M HILL 2006). Selected stations near the Midland Plant were analyzed for additional chemicals, which include a variety of VOCs, semivolatile organic compounds (SVOCs), metals, pesticides, and polychlorinated biphenyls (PCBs). The constituents in the dioxin and furan, soil parameter, and additional chemical analytical suites and a summary of detections are in Appendices C, D, and E. Analytical results from the sampling are presented and discussed in Section 3.

Sample equipment was decontaminated before sampling at each parcel as specified in the SAP. Residual soil from sampling was returned to the soil sample holes when possible immediately after sampling was completed. Soil samples that were collected but not submitted for laboratory analysis were transferred under chain-of-custody procedures to Fishbeck, Thompson, Carr, and Huber (FTCH), a third-party firm retained by the independent third party to blind and relabel the samples prior to laboratory submittal. Non-location-specific soil investigation-derived waste (IDW) that resulted from sample processing at the field office was managed with similar Dow waste. Solid IDW (such as gloves and paper towels) were disposed of as municipal waste. Decontamination water was segregated and managed as IDW for offsite disposal.

2.2.2 Quality Control Sampling

QC samples, as specified in the SAP, included field duplicates, matrix spike/matrix spike duplicates (MS/MSD), collocated samples collected from the same parcel, equipment blanks, temperature blanks, trip blanks, and sample splits with MDEQ (Table 2-1). Duplicates and MS/MSD samples were collected for laboratory QC evaluation. Collocated samples were collected at randomly determined locations at the same parcel to evaluate the variability of sample results within a given parcel. MDEQ split samples were collected and provided to MDEQ for independent verification of sample results. Equipment blank samples were collected to evaluate decontamination procedures. Locations where QC samples were collected are summarized in Appendix B. Equipment and trip blank analytical results also are presented in Appendix B.

2.2.3 Sample Blinding

Sample results for dioxins and furans and additional chemicals were blinded (SAP Attachments A and B; CH2M HILL 2006) to maintain the anonymity of the property owners. All dioxin/furan and additional chemical samples were field managed using strict chain-of-

custody procedures during sample collection. Sample custody was field transferred to FTCH. FTCH randomly selected one sample from one of the parcels in each station, blinded the sample (changed the sample identifier), and submitted the sample to the laboratory (for standard and most QC samples) or MDEQ (for sample split samples). To ensure that the sample results were blind to all entities but the managing third party, samples were grouped in time periods that ranged from 2 days to 1 week. Due to the blinding protocol and operation procedures (Appendices A and B in the SAP), the geographic locations of sample results for the dioxin/furan and additional chemical constituents are not known to Dow or MDEQ. Soil parameter samples were not blinded, and sample splits for soil parameters were provided directly to MDEQ by CH2M HILL.

TABLE 2-1
Sample Summary
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Samples Submitted for Blinding			
		Analytical Suite	
Interval (inch bgs)	**Type**	**Dioxin/Furan**	**Additional Chemicals**
0-1"	Samples	352	62
	Duplicates[a]	352	10
	MS/MSD[a]	352	10
	Splits[b]	352	16
	Collocates[c]	56	11
1-6"	Samples	62	62
	Duplicates[a]	62	10
	MS/MSD[a]	62	10
	Splits[b]	62	16
	Collocates[c]	11	11

Non-Blinded Samples		
Interval (inch bgs)	**Type**	**Soil Parameters**
0-1"	Samples	337
	Duplicates	36
	MS/MSD	-
	Splits[d]	42
	Collocates[c]	-
1-6"	-	

[a] Number of QC samples analyzed unknown due to blinding protocol

[b] Split samples submitted to MDEQ after blinding

[c] Collocate samples were collected at randomly determined locations at a random distance from the primary sampling

[d] Split samples submitted directly to MDEQ.

Additional chemicals = VOCs, SVOCs, metals, herbicides, pesticides, PCBs, and general chemistry parameters.

MS/MSD = matrix spike/matrix spike duplicate
bgs = below ground surface
- = not applicable

TABLE 2-2
Summary of Sample Intervals and Analytical Suites by Station
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Number of Samples				
			0-1 inch bgs[a]			1-6 inch bgs	
Station ID	Parcels Per Station	Parcels Sampled Per Station	Dioxins and Furans	Soil Parameters	Additional Chemicals	Dioxins and Furans	Additional Chemicals
A-01	1	1	1	-	1	1	1
A-02	2	2	2	2	2	2	2
A-03	8	3	3	3	-	-	-
A-04	10	4	4	4	-	-	-
A-05	8	4	4	4	-	-	-
A-06	9	3	3	3	-	-	-
A-07	11	5	5	5	-	-	-
A-08	11	5	5	5	-	-	-
A-09	8	4	4	4	-	-	-
A-10	7	3	3	3	-	-	-
A-11	1	1	1	1	-	-	-
A-12	1	1	1	1	-	-	-
A-13	13	5	5	5	-	-	-
B-01	4	1	1	1	1	1	1
B-03	10	5	5	5	-	-	-
B-04	10	5	5	5	-	-	-
B-05	8	5	5	5	-	-	-
B-06	2	2	2	2	-	-	-
B-07	10	3	3	3	-	-	-
B-08	8	3	3	3	-	-	-
B-09	10	5	5	5	-	-	-
B-10	1	1	1	1	-	-	-
B-11	1	1	1	1	-	-	-
C-01	3	3	3	3	3	3	3
C-02	4	3	3	-	3	3	3
C-03	13	5	5	5	-	-	-
C-04	11	5	5	5	-	-	-
C-05	10	5	5	5	-	-	-
C-06	10	4	4	4	-	-	-
C-07	11	4	4	4	-	-	-
C-08	1	1	1	1	-	-	-
C-10	13	5	5	5	-	-	-
C-11	10	3	3	3	-	-	-
C-13	11	3	3	3	-	-	-
D-01	1	1	1	-	1	1	1
D-02	9	5	5	5	5	5	5
D-03	14	4	4	4	-	-	-
D-04	10	5	5	5	-	-	-
D-05	10	5	5	5	-	-	-
E-01	2	1	1	1	1	1	1
E-02	1	1	1	1	1	1	1
E-03	7	4	4	4	-	-	-
E-04	9	5	5	5	-	-	-
E-05	1	1	1	1	-	-	-
E-06	1	1	1	1	-	-	-
E-07	12	5	5	5	-	-	-
E-08	13	5	5	5	-	-	-
E-09	11	5	5	5	-	-	-
E-10	1	1	1	1	-	-	-
E-11	12	5	5	5	-	-	-
F-01	1	1	1	1	1	1	1

TABLE 2-2
Summary of Sample Intervals and Analytical Suites by Station
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Number of Samples				
			0-1 inch bgs[a]			1-6 inch bgs	
Station ID	Parcels Per Station	Parcels Sampled Per Station	Dioxins and Furans	Soil Parameters	Additional Chemicals	Dioxins and Furans	Additional Chemicals
F-02	1	1	1	1	1	1	1
F-04	12	5	5	5	-	-	-
F-05	14	5	5	5	-	-	-
G-01	1	1	1	-	1	1	1
G-02	1	1	1	1	1	1	1
G-03	1	1	1	1	-	-	-
G-04	1	1	1	1	-	-	-
G-05	10	5	5	5	-	-	-
G-06	1	1	1	1	-	-	-
G-07	1	1	1	1	-	-	-
G-08	11	5	5	5	-	-	-
G-09	13	5	5	5	-	-	-
G-10	9	5	5	5	-	-	-
G-11	8	4	4	4	-	-	-
G-12	11	4	4	4	-	-	-
H-02	1	1	1	1	1	1	1
H-03	1	1	1	1	1	1	1
H-04	1	1	1	1	-	-	-
H-05	1	1	1	1	-	-	-
I-01	1	1	1	1	1	1	1
I-02	1	1	1	1	1	1	1
I-04	1	1	1	1	-	-	-
I-05	1	1	1	1	-	-	-
I-06	1	1	1	1	-	-	-
I-07	1	1	1	1	-	-	-
I-08	1	1	1	1	-	-	-
I-09	1	1	1	1	-	-	-
I-10	1	1	1	1	-	-	-
J-01	1	1	1	-	1	1	1
J-02	7	4	4	-	4	4	4
K-01	1	1	1	1	1	1	1
K-03	1	1	1	1	-	-	-
K-04	15	5	5	5	-	-	-
K-05	14	5	5	5	-	-	-
K-06	8	3	3	3	-	-	-
K-07	10	4	4	4	-	-	-
K-08	12	5	5	5	-	-	-
K-09	1	1	1	1	-	-	-
K-10	1	1	1	1	-	-	-
K-11	1	1	1	1	-	-	-
L-01	1	1	1	-	1	1	1
L-02	1	1	1	1	1	1	1
L-03	1	1	1	1	-	-	-
L-04	1	1	1	1	-	-	-
L-05	1	1	1	1	-	-	-
M-01	2	1	1	1	1	1	1
M-02	1	1	1	1	1	1	1
M-03	1	1	1	1	-	-	-
M-04	1	1	1	1	-	-	-
M-05	1	1	1	1	-	-	-
M-06	1	1	1	1	-	-	-

TABLE 2-2
Summary of Sample Intervals and Analytical Suites by Station
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Number of Samples				
			0-1 inch bgs[a]			1-6 inch bgs	
Station ID	**Parcels Per Station**	**Parcels Sampled Per Station**	**Dioxins and Furans**	**Soil Parameters**	**Additional Chemicals**	**Dioxins and Furans**	**Additional Chemicals**
M-07	1	1	1	1	-	-	-
M-08	1	1	1	1	-	-	-
M-09	1	1	1	1	-	-	-
M-10	1	1	1	1	-	-	-
M-11	1	1	1	1	-	-	-
N-01	1	1	1	-	1	1	1
O-01	1	1	1	-	1	1	1
R-02	9	5	5	5	5	5	5
R-03	1	1	1	1	-	-	-
R-04	11	4	4	4	-	-	-
S-01	1	1	1	1	1	1	1
S-02	9	3	3	3	3	3	3
S-03	3	3	3	3	-	-	-
S-04	7	4	4	4	-	-	-
T-01	6	5	5	5	5	5	5
T-02	1	1	1	1	1	1	1
T-03	10	4	4	4	-	-	-
T-04	9	3	3	3	-	-	-
U-01	1	1	1	1	1	1	1
U-02	1	1	1	1	1	1	1
U-03	1	1	1	1	-	-	-
U-04	1	1	1	1	-	-	-
V-02	1	1	1	-	1	1	1
V-04	10	5	5	5	-	-	-
V-05	9	5	5	5	-	-	-
V-06	10	3	3	3	-	-	-
V-08	1	1	1	1	-	-	-
V-09	1	1	1	1	-	-	-
V-10	9	5	5	5	-	-	-
W-01	1	1	1	1	1	1	1
W-03	13	5	5	5	5	5	5
W-04	9	5	5	5	-	-	-
W-05	1	1	1	1	-	-	-
W-06	11	5	5	5	-	-	-
Totals (by Parcel)	**-**	**352**	**352**	**337**	**62**	**62**	**62**
Totals (by Station)	**-**	**136**	**136**	**126**	**36**	**36**	**36**

[a] No soil parameter samples were collected in the 1-6 inch interval
Additional chemicals = VOCs, SVOCs, metals, herbicides, pesticides, PCBs, and general chemistry parameters.
bgs = below ground surface
- = not applicable

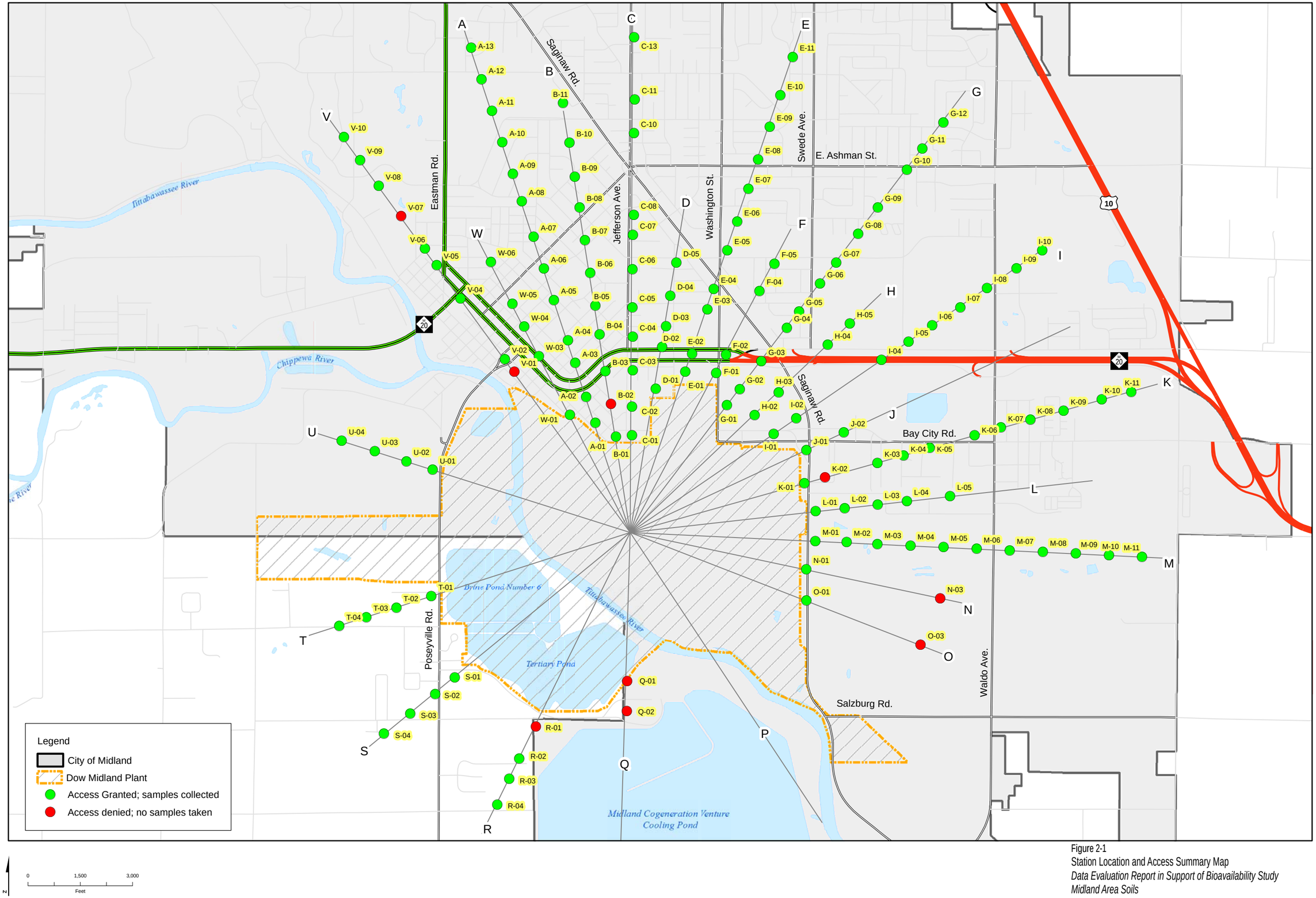

Figure 2-1
Station Location and Access Summary Map
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

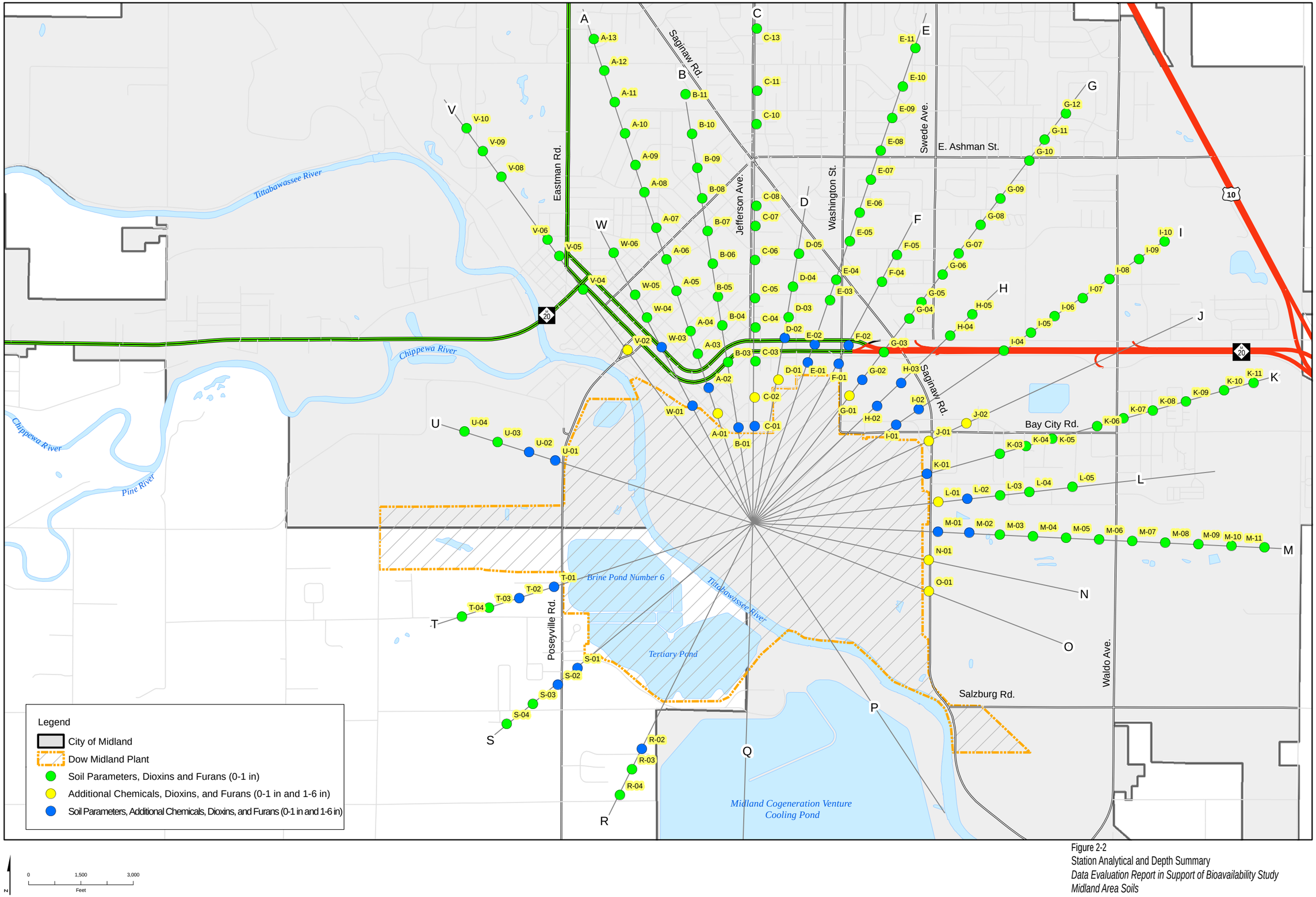

Figure 2-2
Station Analytical and Depth Summary
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

SECTION 3

Data Evaluation

3.1 Dioxins and Furans

A total of 199 soil samples were analyzed for dioxins and furans from 136 primary and 22 collocated sampling locations throughout the Study Area, including samples from multiple depth intervals (0 to 1 inch bgs and 1 to 6 inches bgs). In addition, 19 field duplicate samples were analyzed. Toxic equivalent (TEQ) concentrations were calculated using the dioxin and furan congener concentrations and the 2005 mammalian toxic equivalency factor (TEF) developed by the World Health Organization (WHO) (van den Berg et al. 2006). For report purposes, only TEQ concentrations are discussed. As previously indicated, all dioxin and furan data presented in this report are blinded to maintain the anonymity of the property owners (Section 2-2).

3.1.1 Comparison to MDEQ Generic Criteria

TEQ concentrations were compared to MDEQ's Part 201 Residential Direct Contact Criteria and Risk-Based Screening Level (RBSL) for soil which represents the most conservative MDEQ RBSL for dioxin and furan TEQ (90 parts per trillion [ppt]). A total of 110 out of 199 (55 percent) surface and subsurface soil samples exceeded the RBSL (Table 3-1). None of the sample results exceeded the agreed upon interim action level of 1,000 ppt TEQ.

3.1.2 Concentrations and Summary Statistics

Statistical measures reported for each analyte include number of samples; number of detected results; frequency of detections (ratio of detected results to total number of samples); range of detected concentrations; range of method detection limits for nondetected results; and standard summary statistics of mean, median, standard deviation, coefficient of variation, and the upper 95 percent confidence interval on the mean value (calculated using nondetect values at the method detection limit). A summary of descriptive statistical information for the dioxin and furan congener data set is provided in Table C-1 in Appendix C.

The calculated TEQ concentrations for the data set range from a minimum of 2.4 ppt to a maximum of 950 ppt. The average and median TEQ concentration of the data set are 157 and 110 ppt, respectively. The upper 95 percent confidence interval of the data set is 177 ppt. A box plot of the statistical results is shown on Figure 3-1. Analytical results for each dioxin and furan congener and calculated TEQs are presented in Table C-2 of Appendix C.

3.1.3 Sample Interval Comparison

Eighty-two of the 199 total samples were collected for dioxin and furan analysis from 36 primary and 5 collocated sampling locations proximal to the Midland Plant from both a surface (0- to 1-inch) and subsurface (1- to 6-inch) intervals.

Surface and subsurface TEQ results were statistically compared to determine if the concentrations in the two intervals are significantly different. A pooled comparison of all surface versus all subsurface TEQ concentrations yielded no significant difference in the populations. In addition, no significant difference between the paired surface and subsurface TEQ concentrations was noted (Figure 3-2).

3.2 Other Additional Chemicals

A total of 82 soil samples from 36 primary and 5 collocated sampling locations proximal to the Midland Plant were analyzed for a suite of additional chemicals from both a surface (0- to 1-inch) and subsurface (1- to 6-inch) interval. Proximal locations were generally the first two sample stations along each transect beginning at the Midland Plant (Figure 2-1). Five additional field duplicate samples also were analyzed for additional chemicals.

3.2.1 Comparison to MDEQ Generic Criteria

Additional chemical concentrations, with the exception of three metals, were compared to the most conservative of four MDEQ Residential RBSLs for soil. These RBSLs include the following:

- Drinking Water Protection Criteria
- Groundwater-Surface Water Interface Protection Criteria
- Soil Volatilization to Indoor Air Inhalation Criteria
- Direct Contact Criteria

The selected RBSLs are included in MDEQ's *Table 2, Soil: Residential and Commercial I Part 201 Generic Cleanup Criteria and Screening Levels* (MDEQ 2006). They were selected on the basis of applicability to the overall objectives of the Midland area soils study and, in general, are the most conservative soil RBSLs published by MDEQ. Three metals (mercury, selenium, and silver) were compared to the Statewide Default Background Levels in accordance with the footnotes for generic cleanup tables published by MDEQ. A comprehensive list of published screening levels for the selected RBSLs is included in Table 3-1.

Seventeen additional chemicals exceeded the most conservative screening level, including one general chemistry parameter, eight metals, four SVOCs, and four VOCs (Table 3-2). Eight analytes were detected but have no published screening level (Table 3-3). Seventeen were not detected, but had laboratory method detection limits that were above the applicable screening criteria (Table 3-4). The reasons that some method detection limits did not achieve the screening levels include the following:

- For most VOCs, SVOCs, pesticides, and herbicides, the elevated detection limits were caused by the moisture content of the samples.
- For some VOCs and SVOCs, the elevated detection limits were due to dilution during analysis because of high concentrations of other detected analytes.
- In a few cases, the analytical method was not capable of meeting the screening level.

Results for the comparison of each analyte group to RBSLs are as follows:

General Chemistry Parameters

- Thirty-two of 82 soil samples exceeded the screening level for total cyanide, representing 39 percent of all results.

Herbicides

- No samples exceeded the screening levels.

Metals

- One sample exceeded the screening levels for mercury, antimony, and lead. In the case of antimony and lead, this exceedance occurred at the same sample location.
- Two samples exceeded the screening level for silver.
- Five samples from five different locations exceeded the screening level for selenium. Laboratory method detection limits for selenium are consistently greater than the applicable screening level (Statewide Default Background Level), resulting in 77 of 82 samples with method detection limits above this value (410 micrograms per kilogram [µg/kg]).
- Twenty-nine samples exceeded the screening level for arsenic (4,600 µg/kg). Nineteen of these samples also exceeded the Statewide Default Background Level of 5,800 µg/kg.
- Seventy-six samples exceeded the screening level for cobalt (800 µg/kg); however, only two of these samples exceeded the Statewide Default Background Level of 6,800 µg/kg. These two sample exceedances occurred at one sampling location (0- to 1-inch and 0-to 6-inch sampling depths).
- Seventy-seven samples exceeded the screening level for chromium (3,300 µg/kg). This screening level was established by MDEQ for chromium (VI) and represents the most conservative of the chromium screening criteria. It is important to note that the laboratory data represents total chromium concentrations, which include all of the valence states of chromium. The data also were compared to the total chromium Statewide Default Background Level of 18,000 µg/kg. Five samples exceeded this level at three sample locations (two sample locations had exceedances in both the 0- to 1-inch and 1- to 6-inch sampling intervals).
- No other metals exceeded their respective screening levels.

Polychlorinated Biphenyls

- No samples exceeded the screening level.

Pesticides

- No samples exceeded the screening levels.

Semivolatile Organic Compounds

- One sample exceeded the screening level for benzo(a)pyrene, fluoranthene, and phenanthrene. All three exceedances occurred at the same sample location.
- Five samples exceeded the screening level for pentachlorophenol at three sample locations (two sample locations had exceedances in both the 0- to 1-inch and 1- to 6-inch sampling intervals). Laboratory method detection limits for pentachlorophenol also are consistently greater than the applicable screening level, resulting in 77 of 82 samples with method detection limits above this value (22 µg/kg). The method detection limit was 40 to 100 times greater than the screening level for samples where pentachorophenol was not detected.
- No other SVOCs exceeded their respective screening levels.

Volatiles

- One sample exceeded the screening level for total xylenes.
- Two samples exceeded the screening level for methylene chloride. The method detection limit for one other sample exceeded the screening level.
- Four samples exceeded the screening level for acrylonitrile. The method detection limit for two other samples exceeded the screening level.
- Fourteen samples exceeded the screening level for toluene. It is thought that the presence of toluene in samples in most cases may be a field or laboratory artifact and not representative of actual soil conditions.

3.2.2 Concentration and Summary Statistics

A summary of descriptive statistical information for the additional chemical data set is provided in Table D-1 in Appendix D. Additional chemical analytical results are presented in Table D-2 of Appendix D.

3.2.3 Sample Interval Comparison

Of the 17 additional chemicals that exceeded screening levels, no significant differences between the surface and subsurface concentrations were noted with the exception of methylene chloride. Due to the low detection frequency (three samples), however, it is not conclusive that methylene chloride concentrations in the surface and subsurface are actually different.

Statistical box plots of the surface and subsurface data for 15 of 17 additional chemicals that exceeded screening criteria are presented in Figures 3-3A, 3-3B, 3-4, and 3-5. These figures do not include two additional chemicals (selenium and pentachlorophenol) where a majority of laboratory method detection limits exceeded the screening criteria.

3.2.4 Tentatively Identified Compounds

Non-target compounds having peak areas equal to or greater than 10 percent of the nearest internal standards (retention time) were reported by the laboratories as tentatively

identified compounds (TICs). These peaks were compared to referenced spectra in the current National Institute of Standards and Technology library, using a computer search routine. If the spectral match had a fit of 80 percent or better, the substance name representing the best fit was reported as the tentative identity of the compound. If the spectral fit was less than 80 percent, the peak was reported as "Unknown RRT x.xxx", where x.xxx is the relative retention time in minutes. In either case, an estimated concentration was calculated by comparing the peak area to that of the internal standard, using a response factor of 1.00.

A total of 663 records were identified as TICs; of these, 375 TICs had a spectral match of 80 percent or greater and were identified as known chemicals while the remaining 288 TICs had a spectral fit of less than 80 percent and were reported as unknown compounds. Of the 375 TICs identified, 119 were unique chemicals with three compounds being incorrectly reported as TICs (ethylbenzene, styrene, and benzo(k)fluoranthene). None of these three compounds exceeded the applicable screening levels. Of the remaining 288 TICs, 174 were unique compounds. All identified TICs and their estimated concentrations are summarized in the laboratory data report and Table E-1 of Appendix E.

3.3 Soil Parameters

3.3.1 Background

Sample results for physical and chemical soil parameters were evaluated to identify and characterize representative soils that may be used in potential dioxin and furan bioavailability studies. Samples were collected from 337 unique locations at 26 stations and analyzed for grain size distribution, total organic carbon (TOC), black carbon, and specific surface area.

Grain size data are reported as percent sand, silt, and clay fractions. In addition, the sand fraction retained on the 250 micrometer (μm) sieve size also is reported as a subgroup of the sand fraction. The sand fraction passing the 250 μm sieve (which is calculated by subtracting the fraction retained on the 250 μm sieve from the total) is of interest because it is a factor in evaluating bioavailability.

TOC is reported as a percent of the total mass of the sample, and includes the subfractions black carbon and organic carbon (which sum to the TOC). The hydrogen and nitrogen components of TOC and black carbon also were analyzed; however, these components were not evaluated further because available literature indicates that they do not meaningfully represent TOC and black carbon in bioavailability evaluations.

Specific surface area (referred to hereafter as surface area) is a measure of the total surface area of the soil particles for a given volume and, in general, higher surface areas are associated with finer grained (silt, clay) soils. As outlined in the SAP, finer grain size, higher TOC, and higher surface area generally indicate lower bioavailability. Conversely, coarse grain size (sand), lower TOC, and lower surface area generally indicate higher bioavailability.

The soil parameter data collected in the Study Area were analyzed using spatial analysis and statistical techniques. The spatial distribution information was used to identify

large-scale trends and potential sample groups based on the physical and chemical parameters outlined above. Statistical analyses were used to characterize concentration ranges and relationships between soil parameters, and to identify and characterize potential groups of representative soils based on these parameters.

A statistical summary of soil parameter data is presented in Table 3-5. Complete soil parameter results are provided in Appendix F, Table F-1 and are discussed below.

3.3.2 Grain Size Distribution Evaluation

A statistical summary of the grain size distribution data is provided in Table 3-5. Plan view maps showing the spatial distribution of each grain size fraction are provided in Figures 3-6 through 3-9. Each map also includes a probability distribution and box plot for each grain size fraction, along with summary statistics. A trigram plot that displays the 337 samples based on the relative percentages of the three grain size classes (sand, clay, and silt) is presented in Figure 3-10. The statistical and spatial analyses of grain size data indicate the following:

- The sand fraction dominates the grain size distribution within the Study Area. Sand represents between 28 and 92 percent of the sample by weight, and averages 77 percent (Table 3-5). The portion of sand retained on a 250 µm sieve has a similar distribution and correlation characteristics as the entire sand fraction.
- Variability in grain size is comparatively low across the Study Area. Variability is evaluated by examining the coefficient of variation (CV), which is the ratio of standard deviation and mean value. CV values of less than 1.00 indicate comparatively reduced variability. CVs for the soil characteristics range from 0.14 (sand) to 0.77 (clay).
- The spatial distribution maps indicate that well-defined regions of a specific grain size percentile class do not occur in the Study Area, although localized areas of similar grain size are apparent.
- The trigram plot of grain size distribution indicates that the predominant soil type in the Study Area is loamy sand using the U.S. Department of Agriculture (USDA) soil classification system (USDA 1995). This plot also demonstrates that the grain size distribution is broadly similar throughout the Study Area. Low sand content samples (less than 50 percent sand) are limited to eight of the 337 sample locations.

3.3.3 Total Organic Carbon Evaluation

A statistical summary of the TOC data, including the black carbon and organic carbon fractions, is provided in Table 3-5. Plan view maps showing the spatial distribution, probability distribution, and statistical summary for TOC and black carbon distribution are provided in Figures 3-11 and 3-12, respectively. Relationships among TOC and other soil parameters were evaluated through correlation analyses, conditioning plots, and trigrams. Correlations between TOC, black carbon, sand, silt, clay, and surface area are presented in Figures 3-13A and 3-13B. The conditioning plots presented in Figures 3-14A to 3-14D show the relationship between TOC or black carbon relative to different levels of sand, clay, and surface area. Conditioning relationships are used to evaluate whether TOC or black carbon content vary as a function of the physical characteristics of the soil (sand, clay, surface area).

The spatial distribution of the ratio of black carbon to TOC is presented in Figure 3-15, and a triplot diagram of sand, clay, and the ratio of black carbon to TOC is provided in Figure 3-16. The statistical and spatial analyses of TOC data indicate the following:

- TOC, black carbon, and organic carbon (Table 3-5) exhibit relatively low variability, as indicated by CVs of less than 1.
- The spatial distribution maps indicate that well-defined regions of a specific TOC or black carbon percentile class do not occur in the Study Area, although localized areas of similar TOC and black carbon content are apparent (Figures 3-11 and 3-12).
- TOC, black carbon, and silt levels are positively correlated (Figure 3-13A). This indicates that, in general, higher levels of TOC correspond to higher levels of black carbon and silt.
- The relationship between black carbon and TOC is consistent, regardless of changes in the physical characteristics of the soil (Figures 3-14A through 3-14D). This is represented on the conditioning plots as parallel lines on the panels. Different slopes within the panels would suggest that changes in the physical characteristics affect the relationship between black carbon and TOC.
- The distribution plot and triplot diagram (Figures 3-15 and 3-16) corroborates the results from the conditioning plots and shows that these factors are tightly associated. This indicates that the distribution of TOC and black carbon is similar regardless of grain size.

3.3.4 Surface Area Evaluation

A statistical summary of the surface area data is provided in Table 3-5. A plan view map showing the spatial distribution, probability distribution, and statistical summary for surface area is provided in Figure 3-17. The statistical and spatial analyses of surface area data indicate the following:

- There is comparatively low variability in surface area across the Study Area. The CV for the surface area is 0.92.
- The spatial distribution map indicates that well-defined regions of a specific surface area percentile class do not occur in the Study Area, although localized areas of similar surface area are apparent.

3.3.5 Multivariate Analysis

As discussed above, the spatial and statistical distributions of the individual soil parameters measured in this study indicate that the overall variability of each parameter is comparatively low. Although localized areas of similar characteristics are apparent, different percentile classes of each parameter are scattered throughout the area.

Multivariate analysis of the soil parameter data was performed to evaluate whether spatially distinct sub-areas or groups of samples could be identified based on relationships between parameters. A detailed discussion of the multivariate analysis with supporting figures and tables is provided in Appendix F and summarized below. This analysis groups

the most similar observations into a defined number of clusters, which represent statistically similar groupings of soil parameter data. The identified clusters were then mapped to evaluate the spatial distribution of the samples within each cluster. The results of these analyses show the following:

- Average concentrations of black carbon and TOC have tight distributions and are similar across the identified clusters (Table 3-6).
- Average grain size exhibits slightly greater differences across different clusters (Table 3-6).
- The spatial distributions of the samples in the various clusters identified in the analysis are similar to the distributions for the individual parameters. No clusters are localized exclusively in one portion of the Study Area (that is, they are not geographically contiguous), and local variability in soil types is evident.

These results indicate that different soils within the Study Area are not strongly localized in discrete areas. Therefore, the Study Area is not readily stratified into subsections where different levels of bioavailability would be expected. There are, however, groups of soil samples that exhibit unique statistical distributions. These "groups" are not necessarily geographically contiguous. The basis for the grouping is dominated by the relative abundance of grain size classes, and is less influenced by either black carbon or TOC content.

TABLE 3-1
Summary of Analytes and MDEQ Screening Levels
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Group	Analyte	Units	Analytical I	Statewide Default Background Levels (Guidesheet 10)	Drinking Water Protection Criteria & RBSLs (Guidesheet 11)	Groundwater Surface Water Interface Protection Criteria & RBSLs (Guidesheet 12)	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs (Guidesheet 14)	Direct Contact Criteria and RBSLs (Guidesheet 19)	Screening Level*
Dioxin	2005 WHO Mammalian CALCULATED TEQ	ng/kg	E1613B	--	--	--	--	90	90
GEN	CYANIDE, TOTAL	µg/kg	SW9012A	390	4,000	**100**	--	12,000	100
GEN	SULFIDE	mg/Kg	SW9034	--	--	--	--	--	--
GEN	TOTAL ORGANIC CARBON	mg/kg	SW9060	--	--	--	--	--	--
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/kg	SW8151A	--	--	--	--	--	--
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/kg	SW8151A	--	**1,400**	4,400	--	2,500,000	1,400
HERB	DINOSEB	µg/kg	SW8270C	--	300	**200**	--	66,000	200
HERB	SILVEX (2,4,5-TP)	µg/kg	SW8151A	--	3,600	**2,200**	--	1,700,000	2,200
MET	ANTIMONY	µg/kg	SW6010B	--	**4,300**	94,000	--	180,000	4,300
MET	ARSENIC	µg/kg	SW6010B	5,800	**4,600**	70,000	--	7,600	4,600
MET	BARIUM	µg/kg	SW6010B	75,000	**1,300,000**	--	--	37,000,000	1,300,000
MET	BERYLLIUM	µg/kg	SW6010B	--	**51,000**	--	--	410,000	51,000
MET	CADMIUM	µg/kg	SW6010B	1,200	**6,000**	--	--	550,000	6,000
MET	CHROMIUM, TOTAL	µg/kg	SW6010B	--	30,000	**3,300**	--	2,500,000	3,300
MET	COBALT	µg/kg	SW6010B	6,800	**800**	2,000	--	2,600,000	800
MET	COPPER	µg/kg	SW6010B	32,000	**5,800,000**	--	--	20,000,000	5,800,000
MET	LEAD	µg/kg	SW6010B	21,000	700,000	--	--	**400,000**	400,000
MET	MERCURY	µg/kg	SW7471A	**130**	1,700	50	48,000	160,000	130
MET	NICKEL	µg/kg	SW6010B	20,000	**100,000**	--	--	40,000,000	100,000
MET	SELENIUM	µg/kg	SW6010B	**410**	4,000	400	--	2,600,000	410
MET	SILVER	µg/kg	SW6010B	**1,000**	4,500	100	--	2,500,000	1,000
MET	THALLIUM	µg/kg	SW6010B	--	**2,300**	4,200	--	35,000	2,300
MET	TIN	µg/kg	SW6010B	--	--	--	--	--	--
MET	VANADIUM	µg/kg	SW6010B	--	**72,000**	190,000	--	750,000	72,000
MET	ZINC	µg/kg	SW6010B	47,000	**2,400,000**	--	--	170,000,000	2,400,000
PCB	PCB-1016 (AROCLOR 1016)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1221 (AROCLOR 1221)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1232 (AROCLOR 1232)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1242 (AROCLOR 1242)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1248 (AROCLOR 1248)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1254 (AROCLOR 1254)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1260 (AROCLOR 1260)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1262 (AROCLOR 1262)	µg/kg	SW8082	--	--	--	--	--	--
PCB	PCB-1268 (AROCLOR 1268)	µg/kg	SW8082	--	--	--	--	--	--
PCB	SUMMED PCB	µg/kg	SW8082	--	--	--	--	--	3,000,000
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/kg	SW8260B	--	**10**	--	1,200	1,200	10
PEST	4,4'-DDD	µg/kg	SW8081A	--	--	--	--	**95,000**	95,000
PEST	4,4'-DDE	µg/kg	SW8081A	--	--	--	--	**45,000**	45,000
PEST	4,4'-DDT	µg/kg	SW8081A	--	--	--	--	**57,000**	57,000
PEST	ALDRIN	µg/kg	SW8081A	--	--	--	1,300,000	**1,000**	1,000

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PEST	ALPHA BHC	µg/kg	SW8081A	--	**18**	--	30,000	2,600	18
PEST	BETA BHC	µg/kg	SW8081A	--	**37**	--	--	5,400	37
PEST	CHLORDANE	µg/kg	SW8081A	--	--	--	11,000,000	**31,000**	31,000
PEST	DELTA BHC	µg/kg	SW8081A	--	--	--	--	--	--
PEST	DIELDRIN	µg/kg	SW8081A	--	--	--	140,000	**1,100**	1,100
PEST	DIMETHOATE	µg/kg	SW8270C	--	--	--	--	--	--
PEST	DISULFOTON	µg/kg	SW8270C	--	--	--	--	--	--
PEST	ENDOSULFAN I	µg/kg	SW8081A	--	--	--	--	--	--
PEST	ENDOSULFAN II	µg/kg	SW8081A	--	--	--	--	--	--
PEST	ENDOSULFAN SULFATE	µg/kg	SW8081A	--	--	--	--	--	--
PEST	ENDRIN	µg/kg	SW8081A	--	--	--	--	**65,000**	65,000
PEST	ENDRIN ALDEHYDE	µg/kg	SW8081A	--	--	--	--	--	--
PEST	FAMPHUR	µg/kg	SW8270C	--	--	--	--	--	--
PEST	GAMMA BHC (LINDANE)	µg/kg	SW8081A	--	**20**	**20**	--	8,300	20
PEST	HEPTACHLOR	µg/kg	SW8081A	--	--	--	350,000	**5,600**	5,600
PEST	HEPTACHLOR EPOXIDE	µg/kg	SW8081A	--	--	--	--	**3,100**	3,100
PEST	KEPONE	µg/kg	SW8270C	--	--	--	--	--	--
PEST	METHOXYCHLOR	µg/kg	SW8081A	--	**16,000**	--	--	1,900,000	16,000
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/kg	SW8270C	--	--	--	--	--	--
PEST	(THIONAZIN)	µg/kg	SW8270C	--	--	--	--	--	--
PEST	PARATHION, ETHYL (PARATHION)	µg/kg	SW8270C	--	--	--	--	--	--
PEST	PARATHION, METHYL	µg/kg	SW8270C	--	**46**	--	--	56,000	46
PEST	PHORATE	µg/kg	SW8270C	--	--	--	--	--	--
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/kg	SW8270C	--	--	--	--	--	--
PEST	TOXAPHENE	µg/kg	SW8081A	--	24,000	**860**	--	20,000	860
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/kg	SW8270C	--	1,500,000	**3,400**	--	77,000,000	3,400
SVOC	1,3-DINITROBENZENE	µg/kg	SW8270C	--	--	--	--	--	--
SVOC	1,4-DIOXANE	µg/kg	SW8270C	--	**1,700**	56,000	--	530,000	1,700
SVOC	1,4-NAPHTHOQUINONE	µg/kg	SW8270C	--	--	--	--	--	--
SVOC	1-NAPHTHYLAMINE	µg/kg	SW8270C	--	--	--	--	--	--
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/kg	SW8270C	--	--	--	--	--	--
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/kg	SW8270C	--	--	--	--	--	--
SVOC	2,4,5-TRICHLOROPHENOL	µg/kg	SW8270C	--	**39,000**	--	--	23,000,000	39,000
SVOC	2,4,6-TRICHLOROPHENOL	µg/kg	SW8270C	--	**2,400**	--	--	710,000	2,400
SVOC	2,4-DICHLOROPHENOL	µg/kg	SW8270C	--	1,500	**380**	--	660,000	380
SVOC	2,4-DIMETHYLPHENOL	µg/kg	SW8270C	--	**7,400**	7,600	--	11,000,000	7,400
SVOC	2,4-DINITROPHENOL	µg/kg	SW8270C	--	--	--	--	--	--
SVOC	2,4-DINITROTOLUENE	µg/kg	SW8270C	--	**430**	--	--	48,000	430
SVOC	2,6-DICHLOROPHENOL	µg/kg	SW8270C	--	--	--	--	--	--
SVOC	2,6-DINITROTOLUENE	µg/kg	SW8270C	--	--	--	--	--	--

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SVOC	2-Acetylaminofluorene	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	2-CHLORONAPHTHALENE	µg/kg	SW8270C	--	**620,000**	--	--	56,000,000	620,000
SVOC	2-CHLOROPHENOL	µg/kg	SW8270C	--	900	**440**	--	1,400,000	440
SVOC	2-METHYLNAPHTHALENE	µg/kg	SW8270C	--	**57,000**	--	--	8,100,000	57,000
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	2-NAPHTHYLAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	2-NITROANILINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	2-NITROPHENOL	µg/kg	SW8270C	--	**400**	--	--	630,000	400
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	3,3'-DICHLOROBENZIDINE	µg/kg	SW8270C	--	**2,000**	**2,000**	--	6,600	2,000
SVOC	3,3'-DIMETHYLBENZIDINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	3-METHYLCHOLANTHRENE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	3-NITROANILINE	µg/Kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/kg	SW8270C	--	**830**	--	--	79,000	830
SVOC	4-AMINOBIPHENYL	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	4-CHLORO-3-METHYLPHENOL	µg/kg	SW8270C	--	5,800	**280**	--	4,500,000	280
SVOC	4-CHLOROANILINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	4-NITROANILINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	4-NITROPHENOL	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	5-NITRO-O-TOLUIDINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	ACENAPHTHENE	µg/kg	SW8270C	--	300,000	**4,400**	190,000,000	41,000,000	4,400
SVOC	ACENAPHTHYLENE	µg/kg	SW8270C	--	**5,900**	--	1,600,000	1,600,000	5,900
SVOC	ACETOPHENONE	µg/kg	SW8270C	--	**30,000**	--	1,100,000	1,100,000	30,000
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	ANILINE	µg/kg	SW8270C	--	1,100	**330**	--	330,000	330
SVOC	ANTHRACENE	µg/kg	SW8270C	--	**41,000**	--	1,000,000,000	230,000,000	41,000
SVOC	ARAMITE (TOTAL)	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	BENZO(A)ANTHRACENE	µg/kg	SW8270C	--	--	--	--	**20,000**	20,000
SVOC	BENZO(A)PYRENE	µg/kg	SW8270C	--	--	--	--	**2,000**	2,000
SVOC	BENZO(B)FLUORANTHENE	µg/kg	SW8270C	--	--	--	--	**20,000**	20,000
SVOC	BENZO(G,H,I)PERYLENE	µg/kg	SW8270C	--	--	--	--	**2,500,000**	2,500,000
SVOC	BENZO(K)FLUORANTHENE	µg/kg	SW8270C	--	--	--	--	**200,000**	200,000
SVOC	BENZYL ALCOHOL	µg/kg	SW8270C	--	**200,000**	--	--	5,800,000	200,000
SVOC	BENZYL BUTYL PHTHALATE	µg/kg	SW8270C	--	310,000	**26,000**	--	310,000	26,000
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/kg	SW8270C	--	**100**	300	8,300	13,000	100

TABLE 3-1
Summary of Analytes and MDEQ Screening Levels
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Group	Analyte	Units	Analytical I	Statewide Default Background Levels (Guidesheet 10)	Drinking Water Protection Criteria & RBSLs (Guidesheet 11)	Groundwater Surface Water Interface Protection Criteria & RBSLs (Guidesheet 12)	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs (Guidesheet 14)	Direct Contact Criteria and RBSLs (Guidesheet 19)	Screening Level*
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	SW8270C	--	--	--	--	**2,800,000**	2,800,000
SVOC	CHLOROBENZILATE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	CHRYSENE	µg/kg	SW8270C	--	--	--	--	**2,000,000**	2,000,000
SVOC	DI-N-BUTYL PHTHALATE	µg/kg	SW8270C	--	760,000	**11,000**	--	760,000	11,000
SVOC	DI-N-OCTYLPHTHALATE	µg/kg	SW8270C	--	100,000,000	--	--	**6,900,000**	6,900,000
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	DIBENZ(A,H)ANTHRACENE	µg/kg	SW8270C	--	--	--	--	**2,000**	2,000
SVOC	DIBENZOFURAN	µg/kg	SW8270C	--	--	**1,700**	--	--	1,700
SVOC	DIETHYL PHTHALATE	µg/kg	SW8270C	--	110,000	**2,200**	--	740,000	2,200
SVOC	DIMETHYL PHTHALATE	µg/kg	SW8270C	--	**790,000**	--	--	**790,000**	790,000
SVOC	DIPHENYLAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	ETHYL METHANESULFONATE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	FLUORANTHENE	µg/kg	SW8270C	--	730,000	**5,500**	1,000,000,000	46,000,000	5,500
SVOC	FLUORENE	µg/kg	SW8270C	--	390,000	**5,300**	580,000,000	27,000,000	5,300
SVOC	HEXACHLOROBENZENE	µg/kg	SW8270C	--	1,800	**350**	41,000	8,900	350
SVOC	HEXACHLOROBUTADIENE	µg/kg	SW8270C	--	26,000	**91**	130,000	100,000	91
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/kg	SW8270C	--	320,000	--	**30,000**	720,000	30,000
SVOC	HEXACHLOROETHANE	µg/kg	SW8270C	--	**430**	1,800	40,000	230,000	430
SVOC	HEXACHLOROPHENE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	HEXACHLOROPROPENE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/kg	SW8270C	--	--	--	--	**20,000**	20,000
SVOC	ISODRIN	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	ISOPHORONE	µg/kg	SW8270C	--	15,000	**11,000**	--	2,400,000	11,000
SVOC	ISOSAFROLE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	METHAPYRILENE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	METHYL METHANESULFONATE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/kg	SW8270C	--	**330**	--	--	1,200	330
SVOC	N-NITROSODIETHYLAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	N-NITROSODIMETHYLAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	N-NITROSODIPHENYLAMINE	µg/kg	SW8270C	--	**5,400**	--	--	1,700,000	5,400
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	N-NITROSOMORPHOLINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	N-NITROSOPIPERIDINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	N-NITROSOPYRROLIDINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	NAPHTHALENE	µg/kg	SW8270C	--	35,000	**870**	250,000	16,000,000	870
SVOC	NITROBENZENE	µg/kg	SW8270C	--	**330**	3,600	91,000	100,000	330
SVOC	O-TOLUIDINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	P-PHENYLENEDIAMINE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--

TABLE 3-1
Summary of Analytes and MDEQ Screening Levels
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Group	Analyte	Units	Analytical I	Statewide Default Background Levels (Guidesheet 10)	Drinking Water Protection Criteria & RBSLs (Guidesheet 11)	Groundwater Surface Water Interface Protection Criteria & RBSLs (Guidesheet 12)	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs (Guidesheet 14)	Direct Contact Criteria and RBSLs (Guidesheet 19)	Screening Level*
SVOC	PENTACHLOROBENZENE	µg/kg	SW8270C	--	29,000	**9,500**	--	190,000	9,500
SVOC	PENTACHLORONITROBENZENE	µg/kg	SW8270C	--	**37,000**	--	120,000	1,700,000	37,000
SVOC	PENTACHLOROPHENOL	µg/kg	SW8270C	--	**22**	--	--	90,000	22
SVOC	PHENACETIN	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	PHENANTHRENE	µg/kg	SW8270C	--	56,000	**5,300**	2,800,000	1,600,000	5,300
SVOC	PHENOL	µg/kg	SW8270C	--	88,000	**4,200**	--	12,000,000	4,200
SVOC	PRONAMIDE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	PYRENE	µg/kg	SW8270C	--	**480,000**	--	1,000,000,000	29,000,000	480,000
SVOC	PYRIDINE	µg/kg	SW8270C	--	**400**	--	1,100	37,000	400
SVOC	SAFROLE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
SVOC	SYM-TRINITROBENZENE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
VOC	1,1,1,2-TETRACHLOROETHANE	µg/kg	SW8260B	--	**1,500**	--	6,200	440,000	1,500
VOC	1,1,1-TRICHLOROETHANE	µg/kg	SW8260B	--	**4,000**	**4,000**	250,000	460,000	4,000
VOC	1,1,2,2-TETRACHLOROETHANE	µg/kg	SW8260B	--	**170**	1,600	4,300	53,000	170
VOC	1,1,2-TRICHLOROETHANE	µg/kg	SW8260B	--	**100**	6,600	4,600	180,000	100
VOC	1,1-DICHLOROETHANE	µg/kg	SW8260B	--	18,000	**15,000**	230,000	890,000	15,000
VOC	1,1-DICHLOROETHENE	µg/kg	SW8260B	--	140	1,300	**62**	200,000	62
VOC	1,2,3-TRICHLOROPROPANE	µg/kg	SW8260B	--	**840**	--	--	830,000	840
VOC	1,2-DIBROMOETHANE (EDB)	µg/kg	SW8260B	--	**20**	**20**	670	92	20
VOC	1,2-DICHLOROBENZENE	µg/kg	SW8270C	--	14,000	**360**	210,000	210,000	360
VOC	1,2-DICHLOROETHANE	µg/kg	SW8260B	--	**100**	7,200	2,100	91,000	100
VOC	1,2-DICHLOROPROPANE	µg/kg	SW8260B	--	**100**	5,800	4,000	140,000	100
VOC	1,3-DICHLOROBENZENE	µg/kg	SW8270C	--	**170**	1,100	--	170,000	170
VOC	1,4-DICHLOROBENZENE	µg/kg	SW8270C	--	1,700	**290**	19,000	400,000	290
VOC	2-HEXANONE	µg/kg	SW8260B	--	**20,000**	--	990,000	2,500,000	20,000
VOC	ACETONE	µg/kg	SW8260B	--	**15,000**	34,000	110,000,000	23,000,000	15,000
VOC	ACETONITRILE	µg/kg	SW8260B	--	**2,800**	--	4,800,000	4,300,000	2,800
VOC	ACROLEIN	µg/kg	SW8260B	--	2,400	--	**410**	3,600,000	410
VOC	ACRYLONITRILE	µg/kg	SW8260B	--	**100**	**100**	6,600	16,000	100
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	BENZENE	µg/kg	SW8260B	--	**100**	4,000	1,600	180,000	100
VOC	BROMODICHLOROMETHANE	µg/kg	SW8260B	--	1,600	--	**1,200**	110,000	1,200
VOC	BROMOFORM	µg/kg	SW8260B	--	**1,600**	--	150,000	820,000	1,600
VOC	BROMOMETHANE	µg/kg	SW8260B	--	**200**	700	860	320,000	200
VOC	CARBON DISULFIDE	µg/kg	SW8260B	--	**16,000**	--	76,000	280,000	16,000
VOC	CARBON TETRACHLORIDE	µg/kg	SW8260B	--	**100**	900	190	96,000	100
VOC	CHLOROBENZENE	µg/kg	SW8260B	--	2,000	**940**	120,000	260,000	940
VOC	CHLOROETHANE	µg/kg	SW8260B	--	**8,600**	--	950,000	950,000	8,600
VOC	CHLOROFORM	µg/kg	SW8260B	--	**1,600**	3,400	7,200	1,200,000	1,600
VOC	CHLOROMETHANE	µg/kg	SW8260B	--	5,200	--	**2,300**	1,100,000	2,300

TABLE 3-1
Summary of Analytes and MDEQ Screening Levels
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Group	Analyte	Units	Analytical I	Statewide Default Background Levels (Guidesheet 10)	Drinking Water Protection Criteria & RBSLs (Guidesheet 11)	Groundwater Surface Water Interface Protection Criteria & RBSLs (Guidesheet 12)	Soil Volatilization to Indoor Air Inhalation Criteria & RBSLs (Guidesheet 14)	Direct Contact Criteria and RBSLs (Guidesheet 19)	Screening Level*
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	CIS-1,3-DICHLOROPROPENE	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	DIBROMOCHLOROMETHANE	µg/kg	SW8260B	--	**1,600**	--	3,900	110,000	1,600
VOC	DIBROMOMETHANE	µg/kg	SW8260B	--	**1,600**	--	--	2,000,000	1,600
VOC	DICHLORODIFLUOROMETHANE	µg/kg	SW8260B	--	**95,000**	--	900,000	1,000,000	95,000
VOC	ETHYL BENZENE	µg/kg	SW8260B	--	1,500	**360**	87,000	140,000	360
VOC	ETHYL METHACRYLATE	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	ISOBUTANOL	µg/kg	SW8260B	--	**46,000**	--	8,900,000	8,900,000	46,000
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/kg	SW8260B	--	260,000	**44,000**	27,000,000	27,000,000	44,000
VOC	METHYL IODIDE (IODOMETHANE)	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	PENTANONE)	µg/kg	SW8260B	--	**36,000**	--	2,700,000	2,700,000	36,000
VOC	METHYL METHACRYLATE	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	METHYLACRYLONITRILE	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	METHYLENE CHLORIDE	µg/kg	SW8260B	--	**100**	19,000	45,000	1,300,000	100
VOC	PENTOCHLORETHANE	µg/kg	SW8270C	**--**	**--**	**--**	**--**	**--**	--
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	STYRENE	µg/kg	SW8260B	--	2,700	**2,200**	250,000	400,000	2,200
VOC	TETRACHLOROETHENE (PCE)	µg/kg	SW8260B	--	**100**	900	11,000	88,000	100
VOC	TOLUENE	µg/kg	SW8260B	--	16,000	**2,800**	250,000	250,000	2,800
VOC	TRANS-1,2-DICHLOROETHENE	µg/kg	SW8260B	--	**2,000**	30,000	23,000	1,400,000	2,000
VOC	TRANS-1,3-DICHLOROPROPENE	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/kg	SW8260B	**--**	**--**	**--**	**--**	**--**	--
VOC	TRICHLOROETHENE (TCE)	µg/kg	SW8260B	--	**100**	4,000	7,100	500,000	100
VOC	TRICHLOROFLUOROMETHANE	µg/kg	SW8260B	--	**52,000**	--	560,000	560,000	52,000
VOC	VINYL ACETATE	µg/kg	SW8260B	--	**13,000**	--	790,000	2,400,000	13,000
VOC	VINYL CHLORIDE	µg/kg	SW8260B	--	**40**	300	270	3,800	40
VOC	XYLENES, TOTAL	µg/kg	SW8260B	--	5,600	**700**	150,000	150,000	700

*In all cases except for mercury, selenium and silver, the sceening level corresponds to the lowest of the four risk based screening levels (RBSL) (Guidesheets 11, 12, 14, and 19). In accordance with the MDEQ generic cleanup criteria footnotes, the Statewide Default Background Level is the screening level for these metals.
µg/kg = micrograms per kilogram
g = grams
mg/kg = milligrams per kilogram
ng/kg = nanograms per kilogram
MDEQ = Michigan Department of Environmental Quality
TEQ = toxic equivalent factor
WHO = World Health Organization

TABLE 3-2
Summary of Results Exceeding Risk-Based Screening Levels
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Analyte	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL[b]	No. of Detected Results Exceeding SL	No. of Nondetected Results Exceeding SL
DIOXINS and FURANS																
2005 WHO Mammalian TEQ	ng/kg	172	172	1.00	--	--	2.4	950	157	110	156	0.99	177	90	97	--
GENERAL CHEMISTRY																
CYANIDE, TOTAL	µg/kg	68	82	0.83	0.0066	0.0358	12.2	1,350	153	79.3	220	1.43	194	100	32	--
METALS																
CHROMIUM, TOTAL	µg/kg	82	82	1.00	--	--	783	46,700	8,148	6,350	6,785	0.83	9,395	3,300	77	--
COBALT	µg/kg	82	82	1.00	--	--	402	7,420	2,444	2,230	1,302	0.53	2,683	800	76	--
ARSENIC	µg/kg	77	82	0.94	183	370	195	13,100	4,225	3,490	3,169	0.75	4,807	4,600	29	--
SELENIUM	µg/kg	5	82	0.06	456	1,180	918	6,850	495	510	1,069	2.16	691	410	5	77
SILVER	µg/kg	6	82	0.07	50.8	132	77.7	1,680	76.6	57.0	231	3.01	119	1,000	2	--
LEAD	µg/kg	82	82	1.00	--	--	3,360	666,000	39,163	19,350	79,248	2.02	53,727	400,000	1	--
MERCURY	µg/kg	71	82	0.87	3.89	4.27	8.64	168	42.6	36.4	30.4	0.71	48.2	130	1	--
ANTIMONY	µg/kg	16	82	0.20	208	1,040	248	4,530	515	236	952	1.85	690	4,300	1	--
SEMIVOLATILE ORGANICS																
PENTACHLOROPHENOL	µg/kg	5	82	0.06	31	81.6	36.5	404	28.7	35.2	57.5	2.00	39.3	22	5	77
PHENANTHRENE	µg/kg	75	82	0.91	5.7	6.75	7.77	9,650	224	39.2	1,094	4.88	425	5,300	1	--
FLUORANTHENE	µg/kg	66	82	0.80	9.72	11.5	11.7	16,100	390	64	1,843	4.72	729	5,500	1	--
BENZO(A)PYRENE	µg/kg	51	82	0.62	8.68	10.6	9.21	5,930	163	26.2	681	4.18	288	2,000	1	--
VOLATILE ORGANICS																
TOLUENE	µg/kg	48	82	0.59	25.2	45.4	36	7,010	1,179	133	1,828	1.55	1,515	2,800	14	--
ACRYLONITRILE	µg/kg	4	82	0.05	31.1	220	189	563	37.6	39.9	75.4	2.01	51.4	100	4	2
METHYLENE CHLORIDE	µg/kg	3	82	0.04	20.9	148	87.4	456	23.0	26.7	52.0	2.27	32.5	100	2	1
XYLENES, TOTAL	µg/kg	16	82	0.20	25.6	177	32	1,470	65.9	33.2	175	2.66	98.1	700	1	--

[a] One-half the MDL was used to calcluate the mean and median where concentrations were nondetected.
[b] SL = the selected MDEQ Screening Level
-- = not applicable
µg/kg = micrograms per kilogram
ng/kg = nanograms per kilogram
MDEQ = Michigan Department of Environmental Quality
TEQ = toxic equivalent factor
WHO = World Health Organization

TABLE 3-3
Summary of Detected Analytes Without Screening Levels
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Analyte	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL[b]
GENERAL CHEMISTRY														
SULFIDE	mg/kg	4	82	0.05	86	226	103	265	53.8	96	27.6	0.51	58.9	--
HERBICIDES														
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/kg	1	82	0.01	2.13	5.58	24	24	1.50	2.39	2.52	1.68	1.97	--
METALS														
TIN	µg/kg	13	82	0.16	484	2610	532	158000	2763	559	17668	6.39	6010	--
PESTICIDES														
ENDOSULFAN SULFATE	µg/kg	6	82	0.07	0.777	78.2	3.13	46.6	3.43	0.887	8.88	2.59	5.07	--
DELTA BHC	µg/kg	4	82	0.05	0.787	80.3	0.995	4.13	1.74	0.911	5.03	2.89	2.67	--
ENDRIN ALDEHYDE	µg/kg	3	82	0.04	0.797	81.4	1.51	9.88	1.80	0.93	5.17	2.87	2.75	--
SEMIVOLATILE ORGANICS														
2,3,4,6-TETRACHLOROPHENOL	µg/kg	6	82	0.07	14.3	46.5	16	450	20.0	16.2	67.4	3.37	32.4	--
VOLATILE ORGANICS														
PROPIONITRILE, ETHYL CYANIDE	µg/kg	1	82	0.01	43.6	309	506	506	37.2	55.8	54.9	1.47	47.3	--

[a] One-half the MDL was used to calcluate the mean and median where concentrations were nondetected.
[b] SL = the selected MDEQ Screening Level
-- = not applicable
mg/kg = milligrams per kilogram
µg/kg = micrograms per kilogram
MDEQ = Michigan Department of Environmental Quality

TABLE 3-4
Summary of Nondetected Analytes Above Screening Levels
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Analyte	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL[b]	No. of Detected Results Exceeding SL	No. of Nondetected Results Exceeding SL
METALS																
SELENIUM	µg/kg	5	82	0.06	456	1180	918	6850	495	510	1069	2.16	691	410	5	77
PESTICIDES																
ALPHA BHC	µg/kg	6	82	0.07	0.808	82.5	0.909	10.6	1.92	0.943	5.26	2.73	2.89	18	--	2
BETA BHC	µg/kg	4	82	0.05	0.872	89	1.55	29.7	2.31	1.02	6.39	2.76	3.49	37	--	2
GAMMA BHC (LINDANE)	µg/kg	1	82	0.01	0.626	63	5.93	5.93	1.35	0.714	3.97	2.94	2.08	20	--	2
TOXAPHENE	µg/kg	--	82	0.00	9.96	1020	--	--	20.8	11.5	63.8	3.07	32.5	860	--	1
SEMIVOLATILE ORGANICS																
PENTACHLOROPHENOL	µg/kg	5	82	0.06	31	81.6	36.5	404	28.7	35.2	57.5	2.00	39.3	22	5	77
1,3-DICHLOROBENZENE	µg/kg	--	82	0.00	54.6	178	--	--	32.2	61.4	8.11	0.25	33.7	170	--	1
BIS(2-CHLOROETHYL) ETHER	µg/kg	--	82	0.00	38	124	--	--	22.4	42.7	5.64	0.25	23.4	100	--	1
HEXACHLOROBUTADIENE	µg/kg	--	82	0.00	34.1	111	--	--	20.1	38.3	5.05	0.25	21.0	91	--	1
VOLATILE ORGANICS																
ACRYLONITRILE	µg/kg	4	82	0.05	31.1	220	189	563	37.6	39.9	75.4	2.01	51.4	100	4	2
METHYLENE CHLORIDE	µg/kg	3	82	0.04	20.9	148	87.4	456	23.0	26.7	52.0	2.27	32.5	100	2	1
1,1-DICHLOROETHENE	µg/kg	--	82	0.00	15.7	111	--	--	11.3	20.0	5.86	0.52	12.3	62	--	1
1,2-DIBROMO-3-CHLOROPROPANE	µg/kg	--	82	0.00	37.8	267	--	--	27.1	48.2	14.1	0.52	29.7	10	--	82
1,2-DIBROMOETHANE (EDB)	µg/kg	--	82	0.00	6.55	46.3	--	--	4.70	8.35	2.45	0.52	5.15	20	--	3
ACROLEIN	µg/kg	--	82	0.00	102	723	--	--	73.3	130	38.2	0.52	80.3	410	--	1
BROMOMETHANE	µg/kg	--	82	0.00	65.7	465	--	--	47.2	83.8	24.5	0.52	51.7	200	--	3
VINYL CHLORIDE	µg/kg	--	82	0.00	15.3	108	--	--	11.0	19.5	5.70	0.52	12.0	40	--	3

[a] One-half the MDL was used to calcluate the mean and median where concentrations were nondetected.
[b] SL = the selected MDEQ Screening Level
-- = not applicable
µg/kg = micrograms per kilogram
MDEQ = Michigan Department of Environmental Quality

TABLE 3-5
Soil Parameter Summary Statistics
Data Evaluation Report in Support of Bioavailability Study,
Midland Area Soils

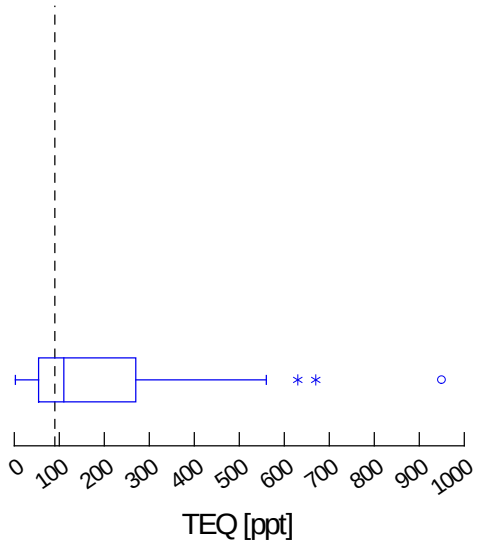
	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation
Soil Parameters												
Percent Sand[a]	%	337	337	1.00	--	--	28	92	77.36	78	10.47	0.14
Percent Silt[a]	%	337	337	1.00	--	--	4	46	16.47	16	7.14	0.43
Percent Clay[a]	%	337	337	1.00	--	--	0	40	6.17	6	4.73	0.77
Sand Retained on 250 micron sieve[b]	%	337	337	1.00	--	--	2	60.3	19.52	17.6	12.26	0.63
Total Organic Carbon (TOC) [c]	%	337	337	1.00	--	--	0.79	12.89	3.40	3.16	1.50	0.44
Black Carbon (BC) [c]	%	320	337	0.95	0.1	0.1	0.1	2.06	0.53	0.42	0.38	0.72
Organic Carbon (TOC % - BC %)[c,d]	%	320	337	0.95	0.7	5.1	-0.02	11.16	2.87	2.67	1.33	0.47
Specific Surface Area	m^2/g	337	337	1.00	--	--	0.28	15.16	1.82	1.36	1.67	0.92

[a] The sum of the percent of sand, silt, and clay equals 1
[b] Sand retained on 250 micron sieve is a subfraction of sand
[c] Black carbon and organic carbon are fractions of Total Organic Carbon
[c] Calculated value. The negative minimum value for organic carbon is an artifact of the black carbon value being slightly greater than the TOC
-- = not applicable
m^2/g = square meters per gram
% = percent

TABLE 3-6
Sample Cluster Factor Averages
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Clusters	Units	Cluster 1 Averages	Cluster 2 Averages	Cluster 3 Averages	Cluster 4 Averages	Cluster 5 Averages	Cluster 6 Averages	Cluster 7 Averages	Cluster 8 Averages
2 CLUSTERS									
No. of Samples	--	253	84						
Clay	%	0.54	0.51						
Sand	%	82.0	63.4						
Silt	%	13.3	26.1						
TOC	%	3.4	3.5						
No. of Samples	--	233	104						
Black Carbon	%	0.53	0.53						
Sand	%	82.8	65.2						
Clay	%	4.0	11.0						
TOC	%	3.4	3.5						
4 CLUSTERS									
No. of Samples	--	123	117	80	17				
Black Carbon	%	0.56	0.51	0.52	0.54				
Clay	%	2.39	6.1	9.7	17.2				
Sand	%	87.2	77.7	68.0	48.2				
TOC	%	3.3	3.5	3.5	3.5				
6 CLUSTERS									
No. of Samples	--	122	109	60	30	2	14		
Black Carbon	%	0.55	0.52	0.59	0.39	0.69	0.52		
Clay	%	2.39	5.7	9.2	11.1	32.0	15.3		
Sand	%	87.2	78.0	71.1	63.3	34.0	49.6		
TOC	%	3.2	3.5	3.6	3.2	5.6	3.2		
8 CLUSTERS									
No. of Samples	--	93	69	34	29	2	14	42	54
Black Carbon	%	0.54	0.45	0.53	0.39	0.69	0.52	0.64	0.62
Clay	%	2.3	6.3	11.4	11.2	32.0	15.3	6.2	3.3
Sand	%	88.2	77.9	72.3	63.2	34.0	49.6	71.1	82.4
TOC	%	3.2	3.2	3.1	3.2	5.6	3.2	4.0	3.8

TOC = total organic carbon



Summary of All Surface and Subsurface Soil Samples (Number of Samples = 199)

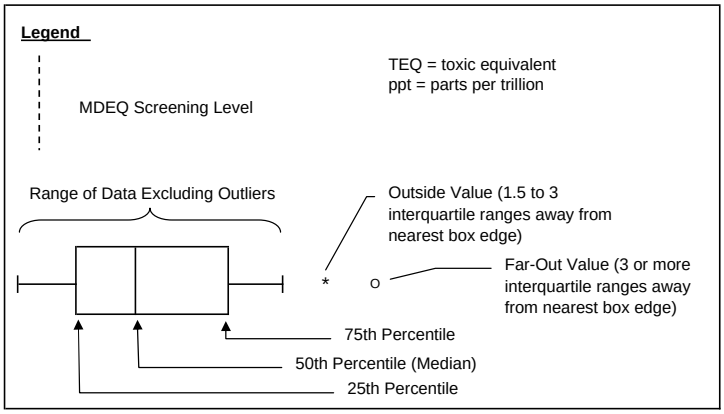
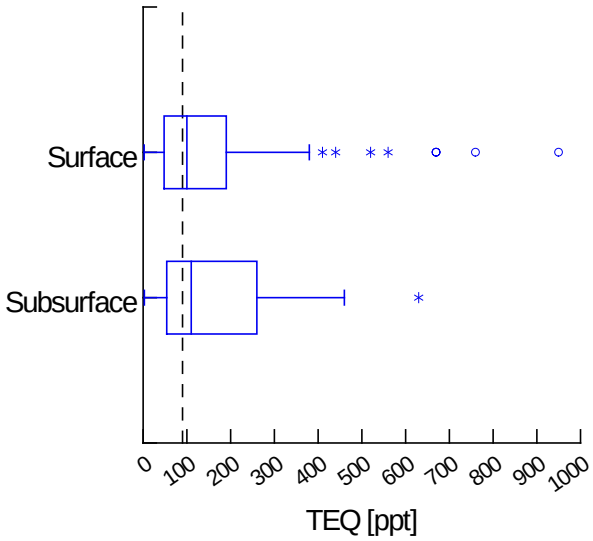
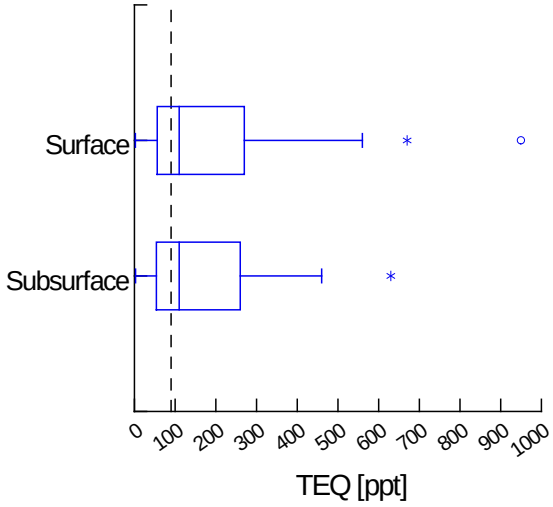


Figure 3-1
Dioxin and Furan Statistical Summary
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils



Summary of Pooled Surface vs. Subsurface Soil Samples
(Surface Number of Samples = 158; Subsurface Number of Samples = 41)



Summary of Paired Surface vs. Subsurface Soil Samples
(Surface Number of Samples = 41; Subsurface Number of Samples = 41)

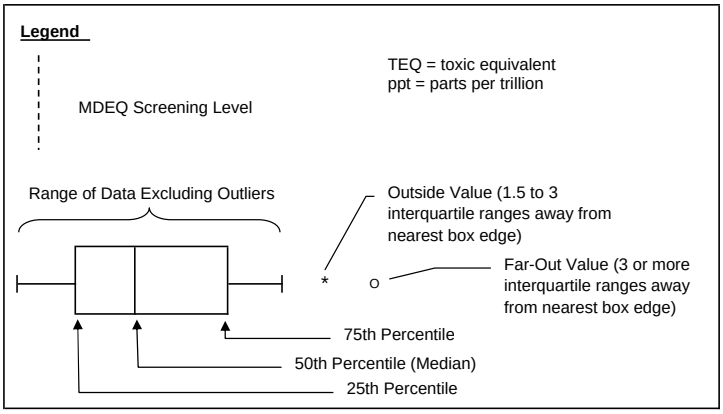
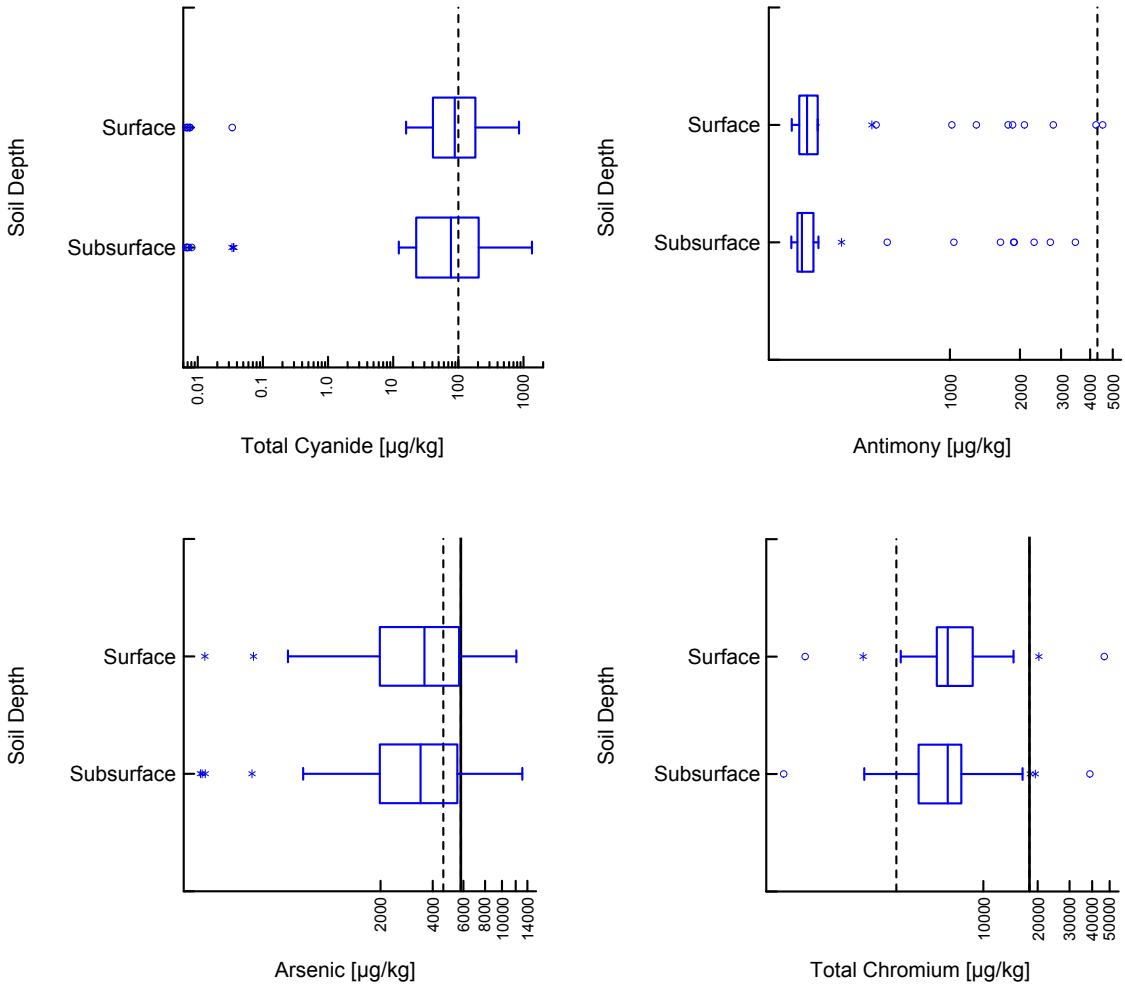
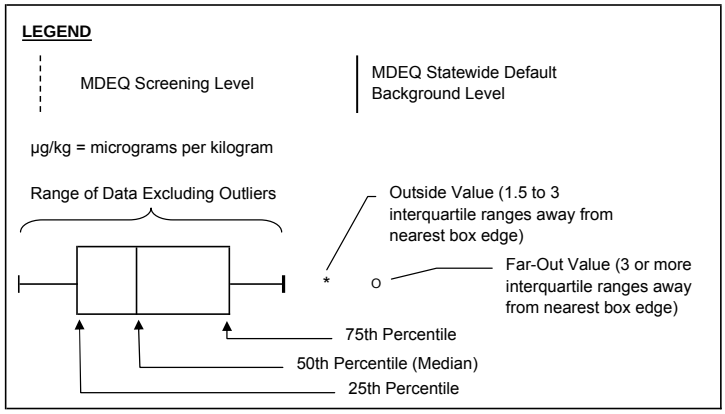


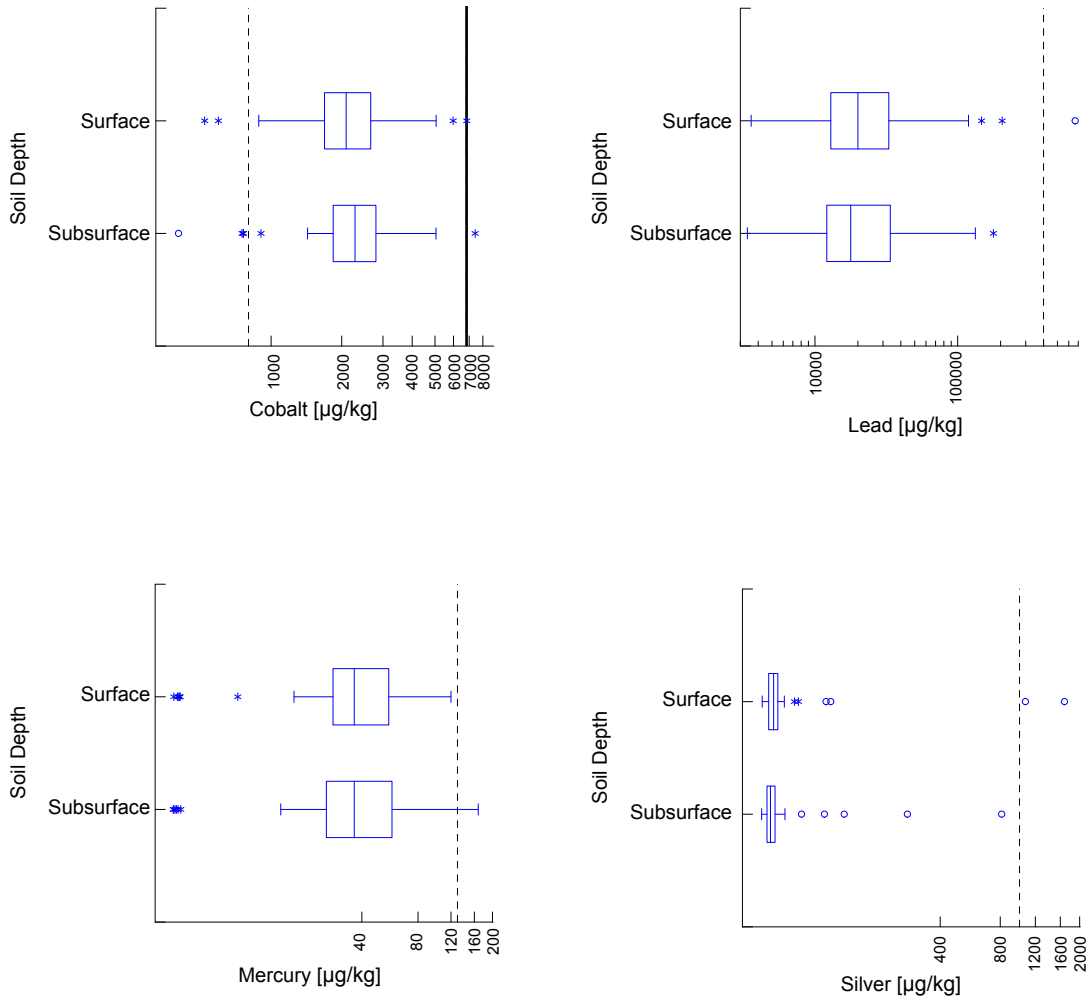
Figure 3-2
Dioxin and Furan Data Interval Comparisons
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

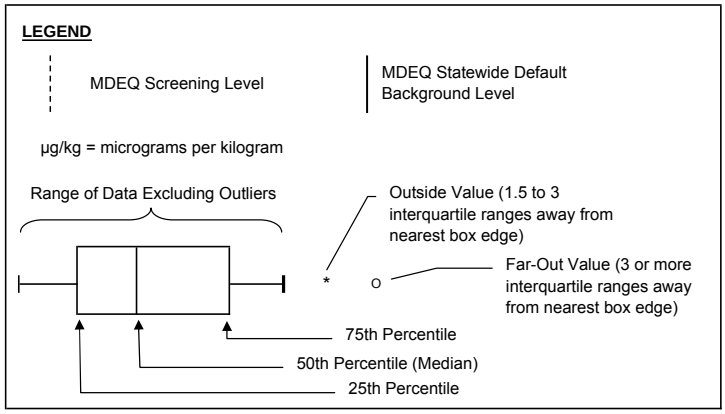




Note: Concentration axis is in logarithmic scale.

Figure 3-3A
Additional Chemicals Box Plot Results for Metals
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

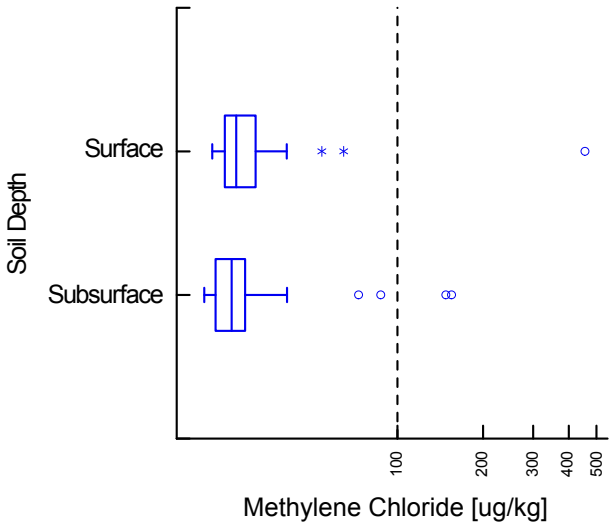


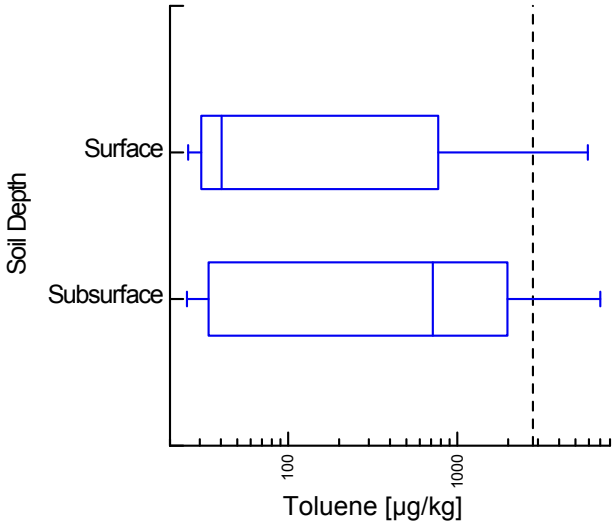


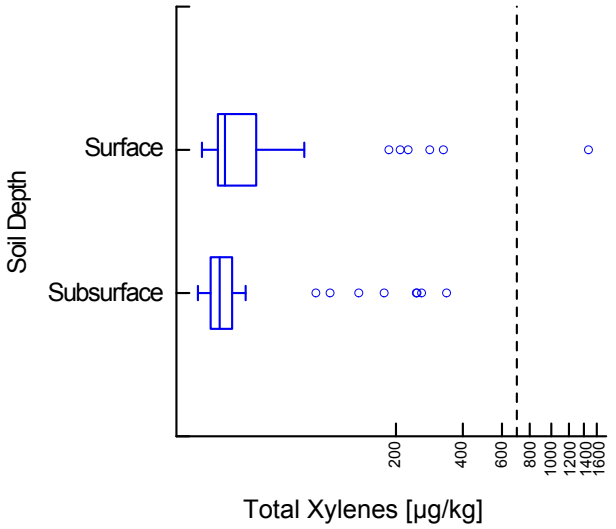
Note: Concentration axis is in logarithmic scale.

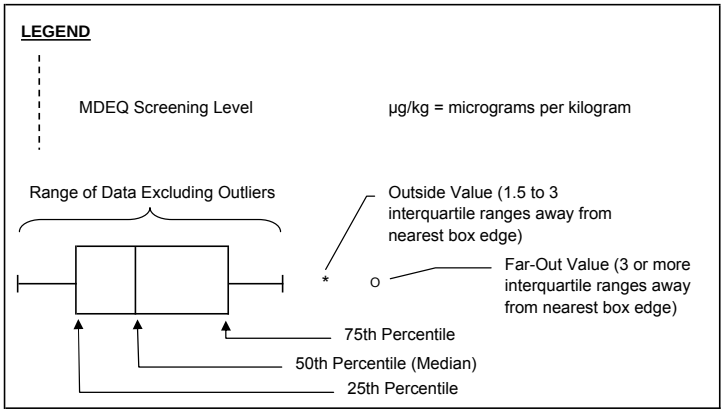
Figure 3-3B
Additional Chemicals Box Plot Results for Metals
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL









Note: Concentration axis is in logarithmic scale.

Figure 3-4
Additional Chemicals Box Plot Results for VOCs
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

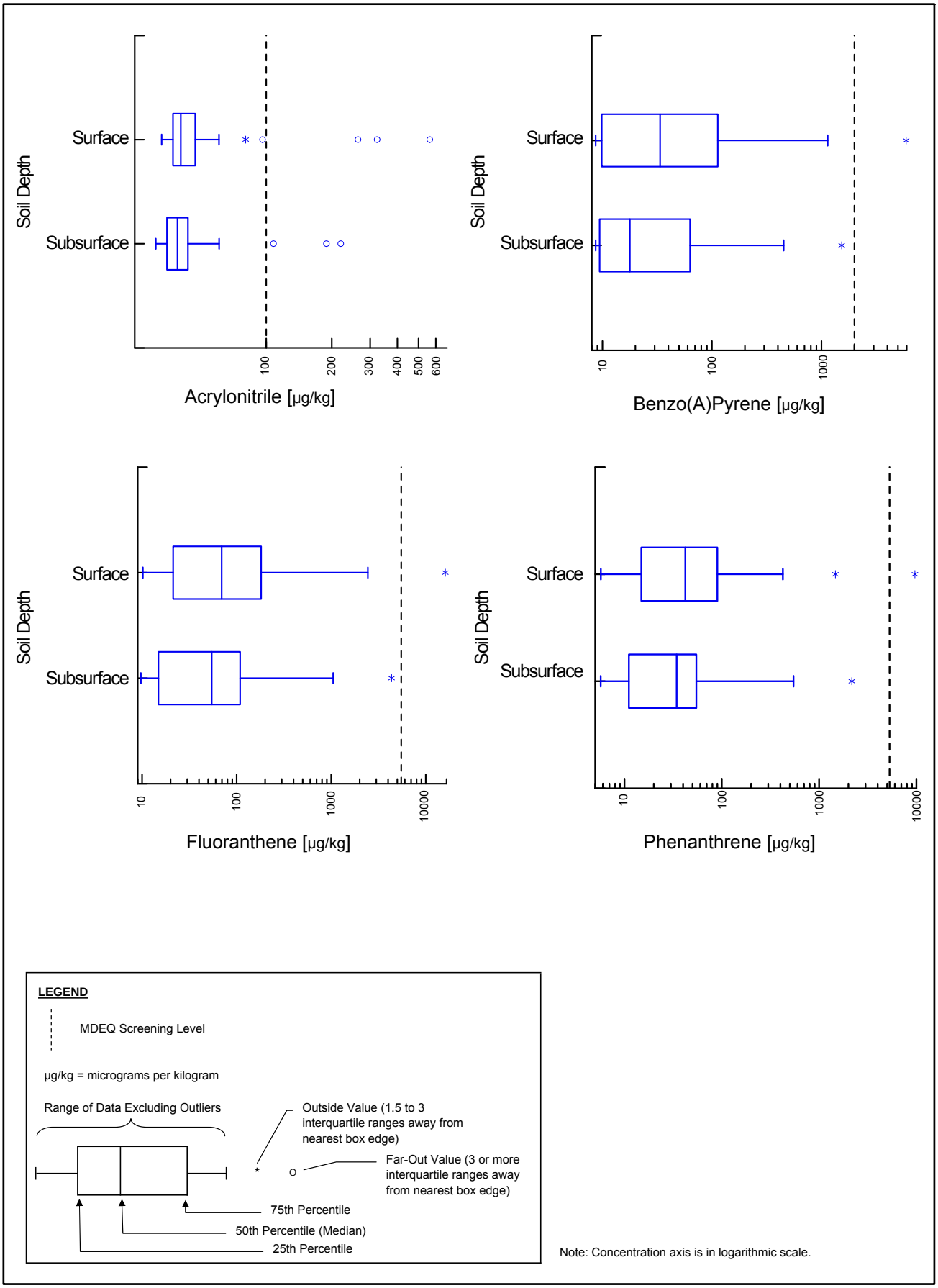
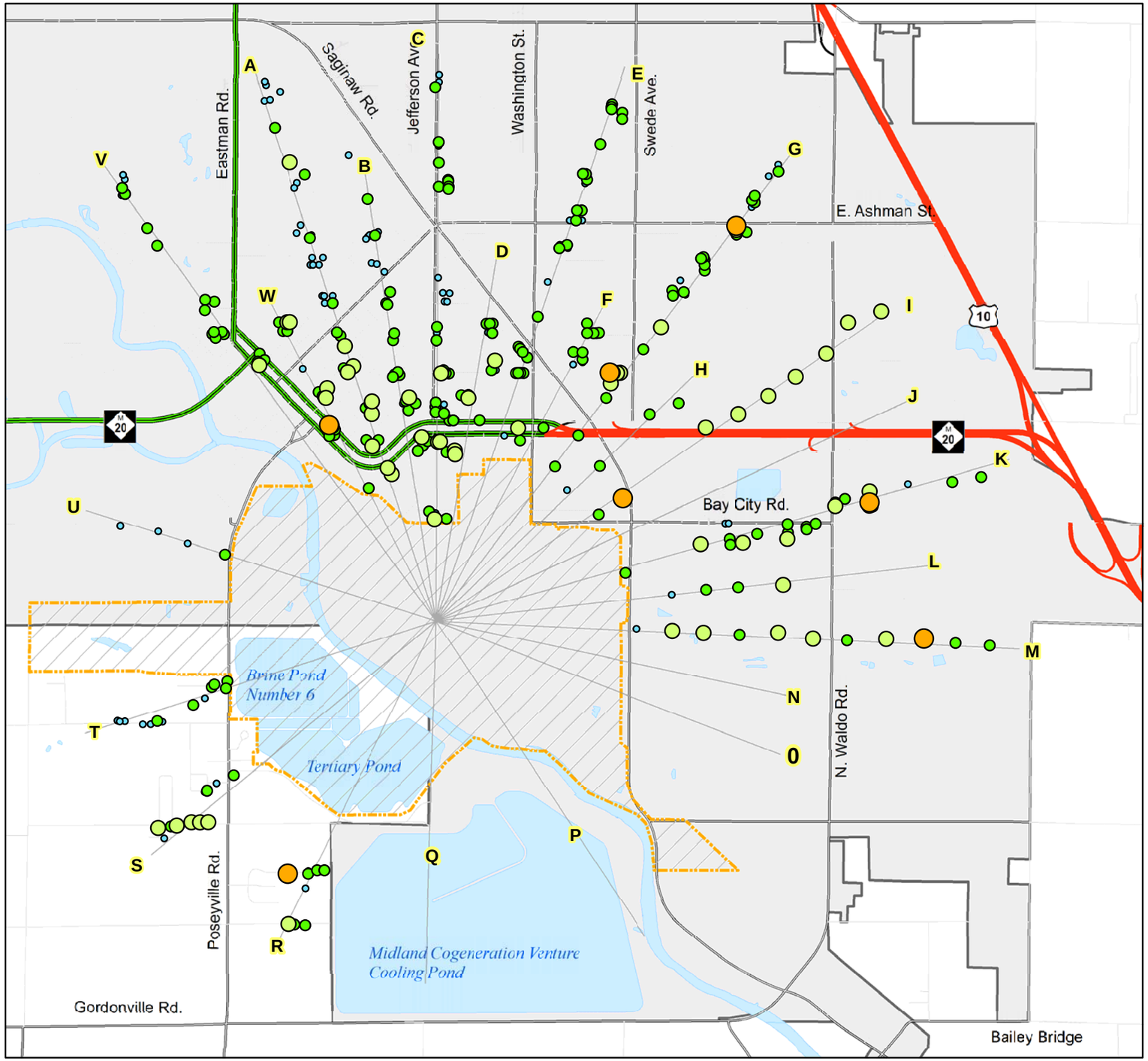


Figure 3-5
Additional Chemicals Box Plot Results for SVOCs
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils



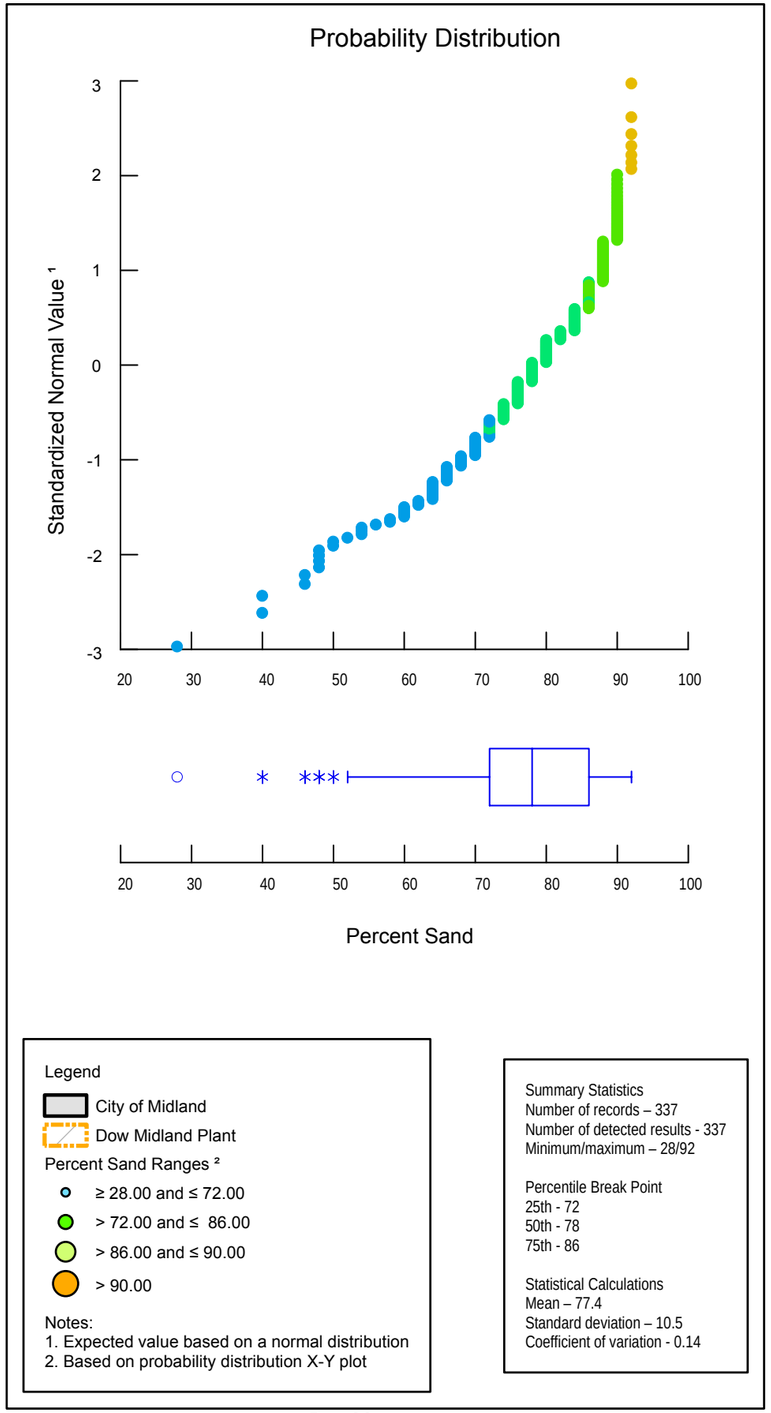
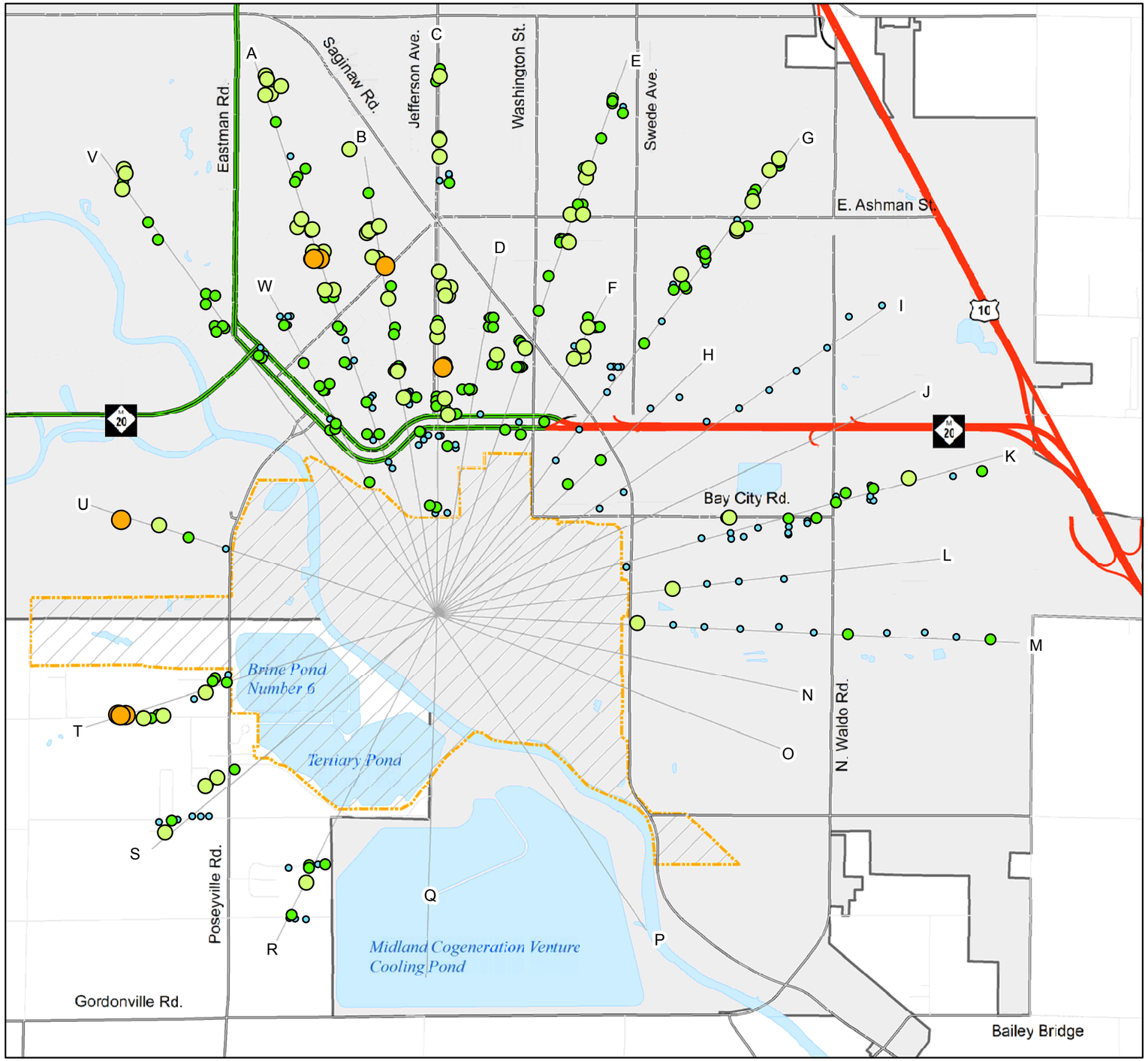
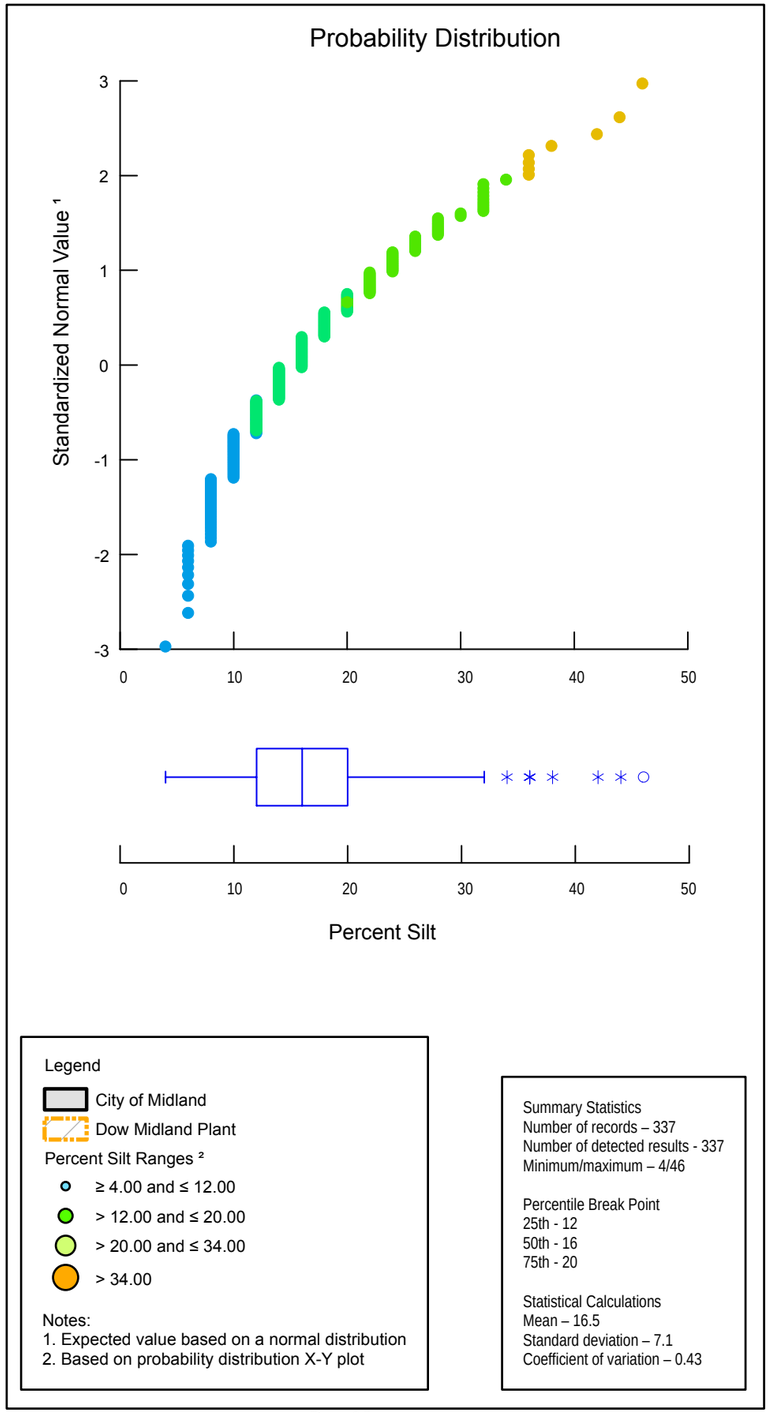


Figure 3-6
Sand Percentage Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



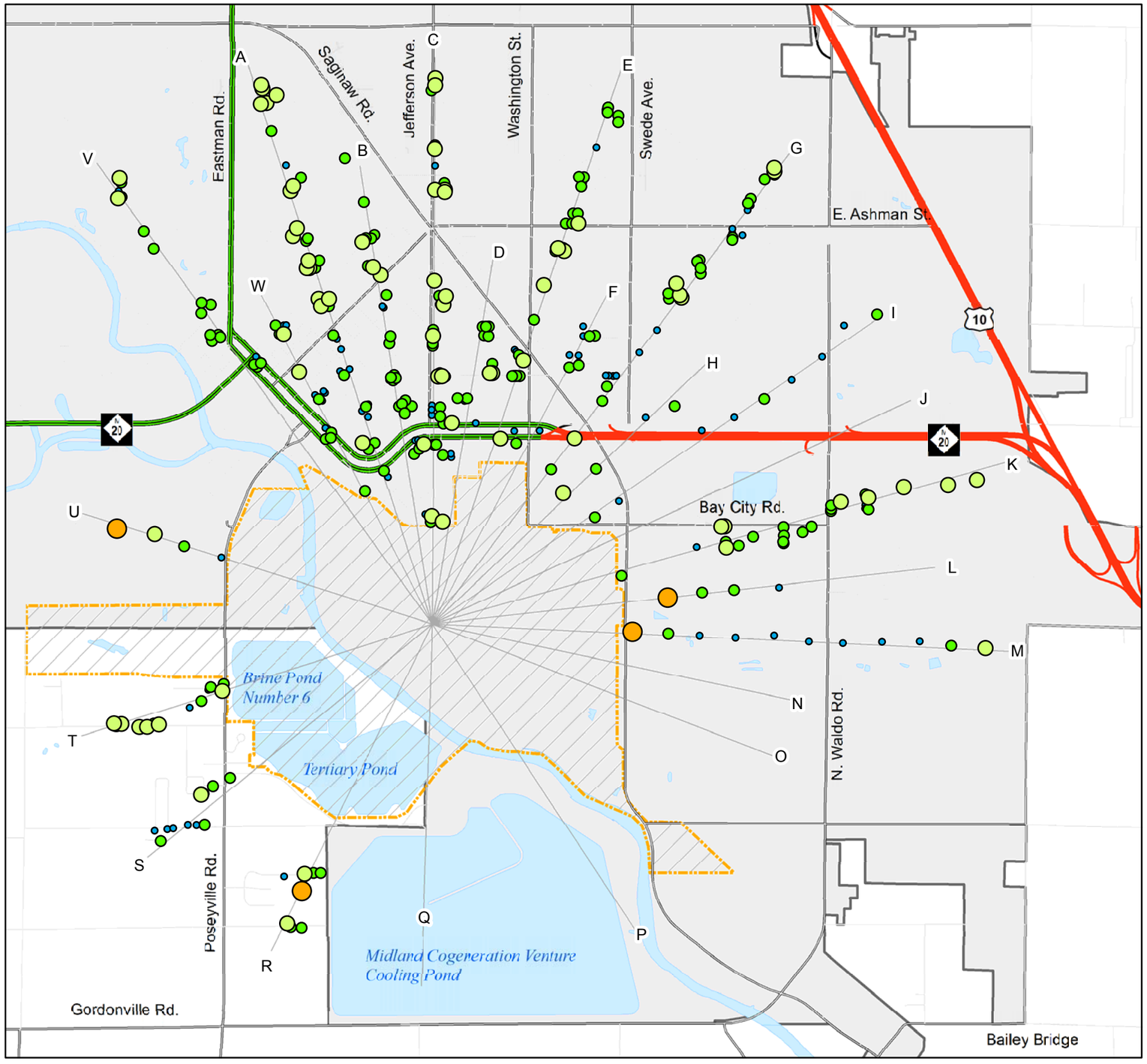


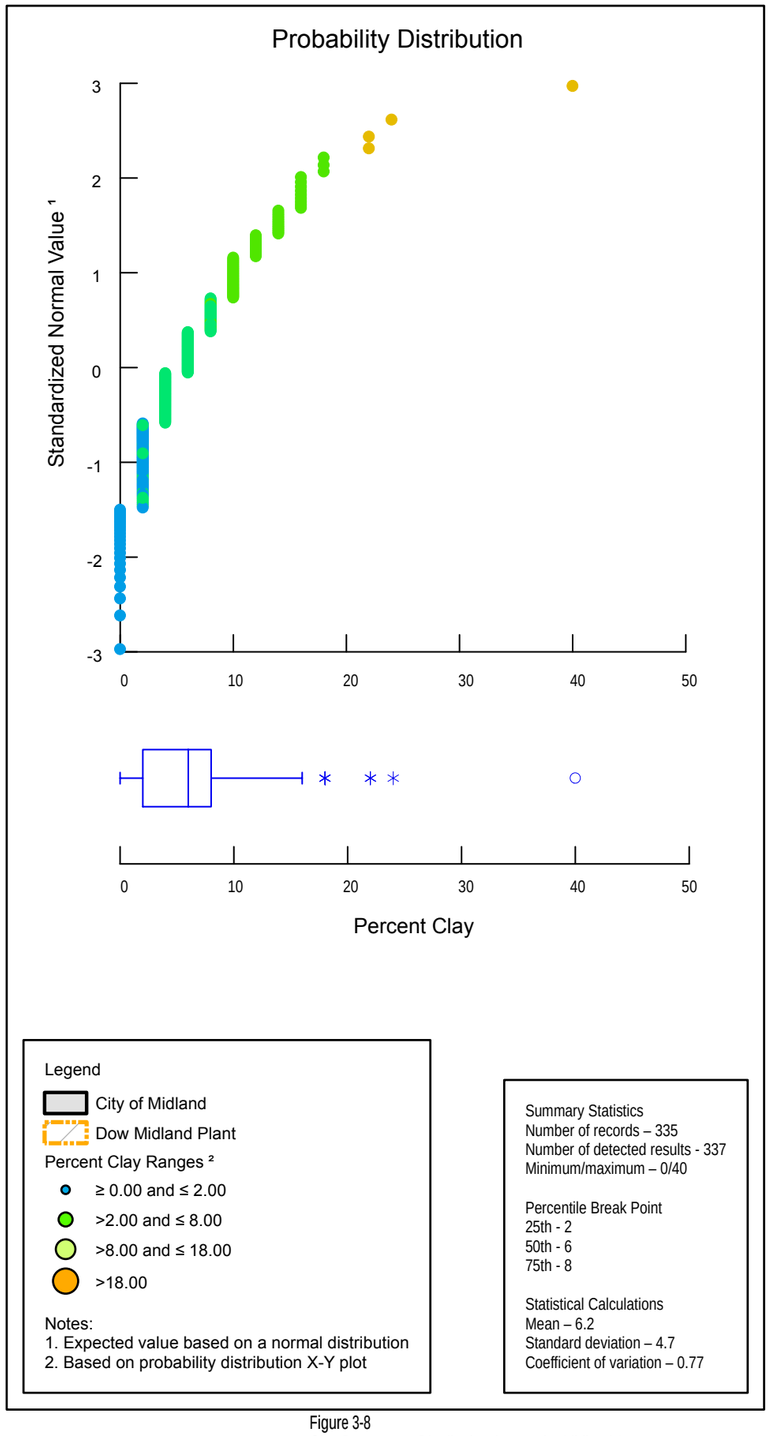
N

0 1,500 3,000
Feet

Figure 3-7
Silt Percentage Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



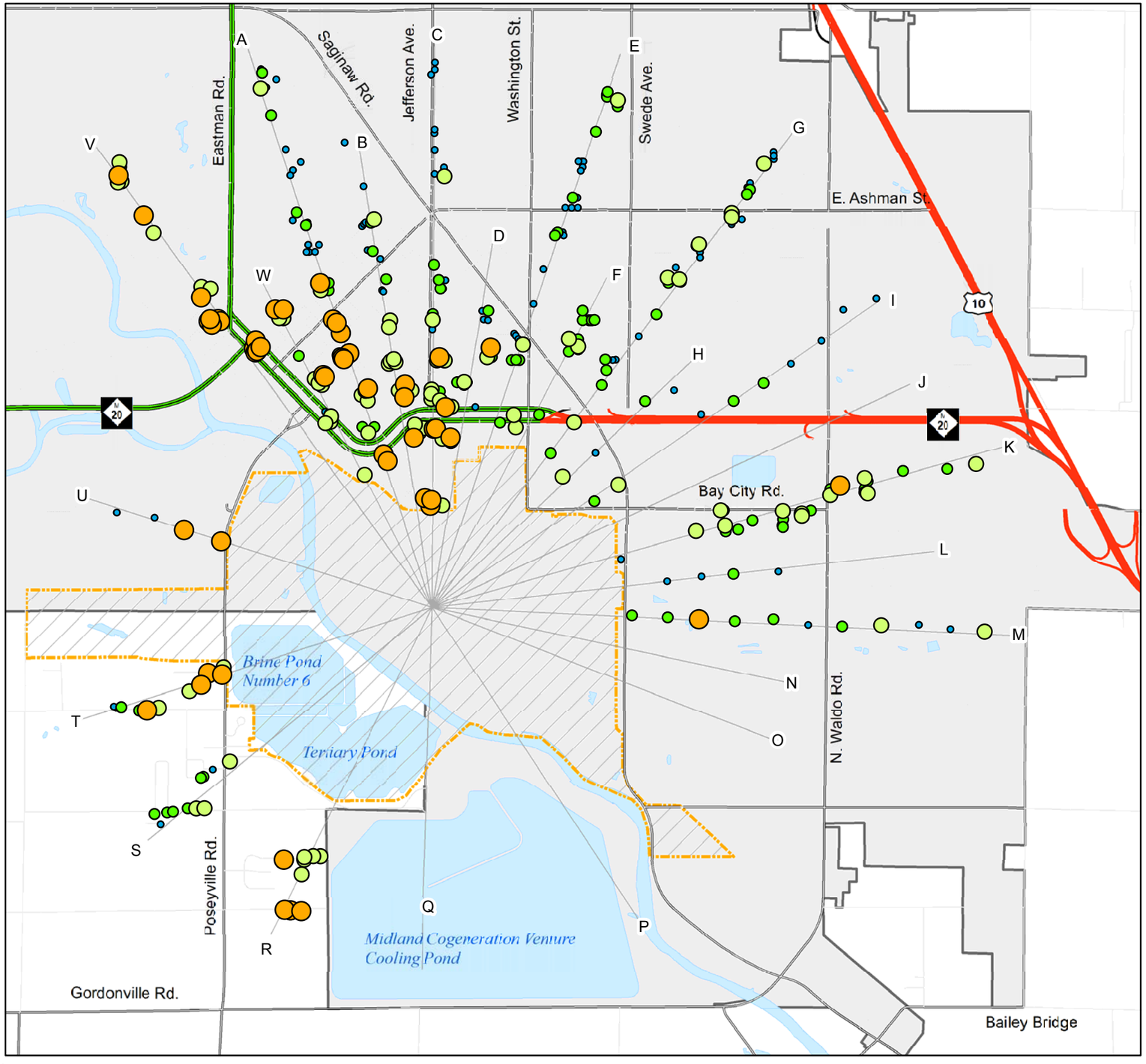


N

0 1,500 3,000
Feet

Figure 3-8
Clay Percentage Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



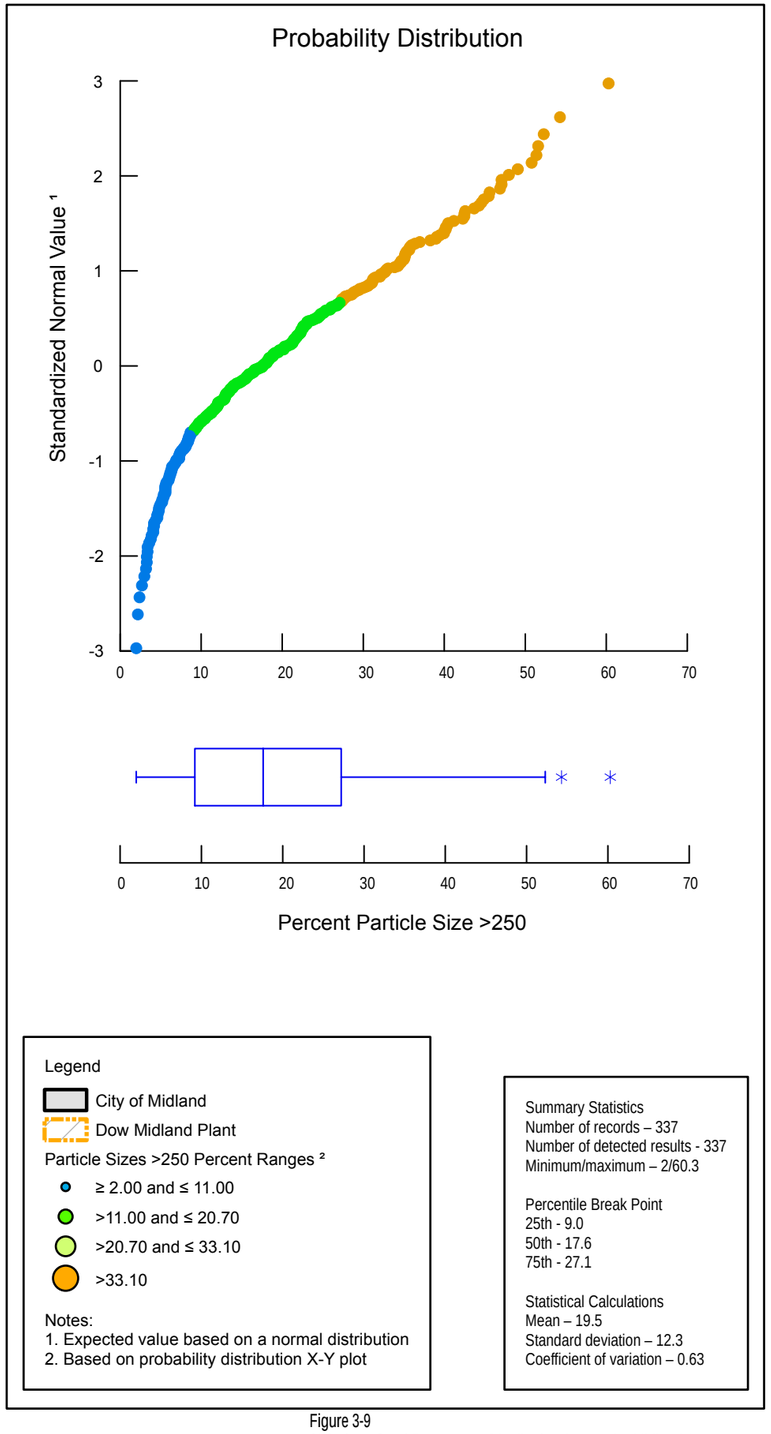


Figure 3-9
250-sieve Sand Percentage Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL

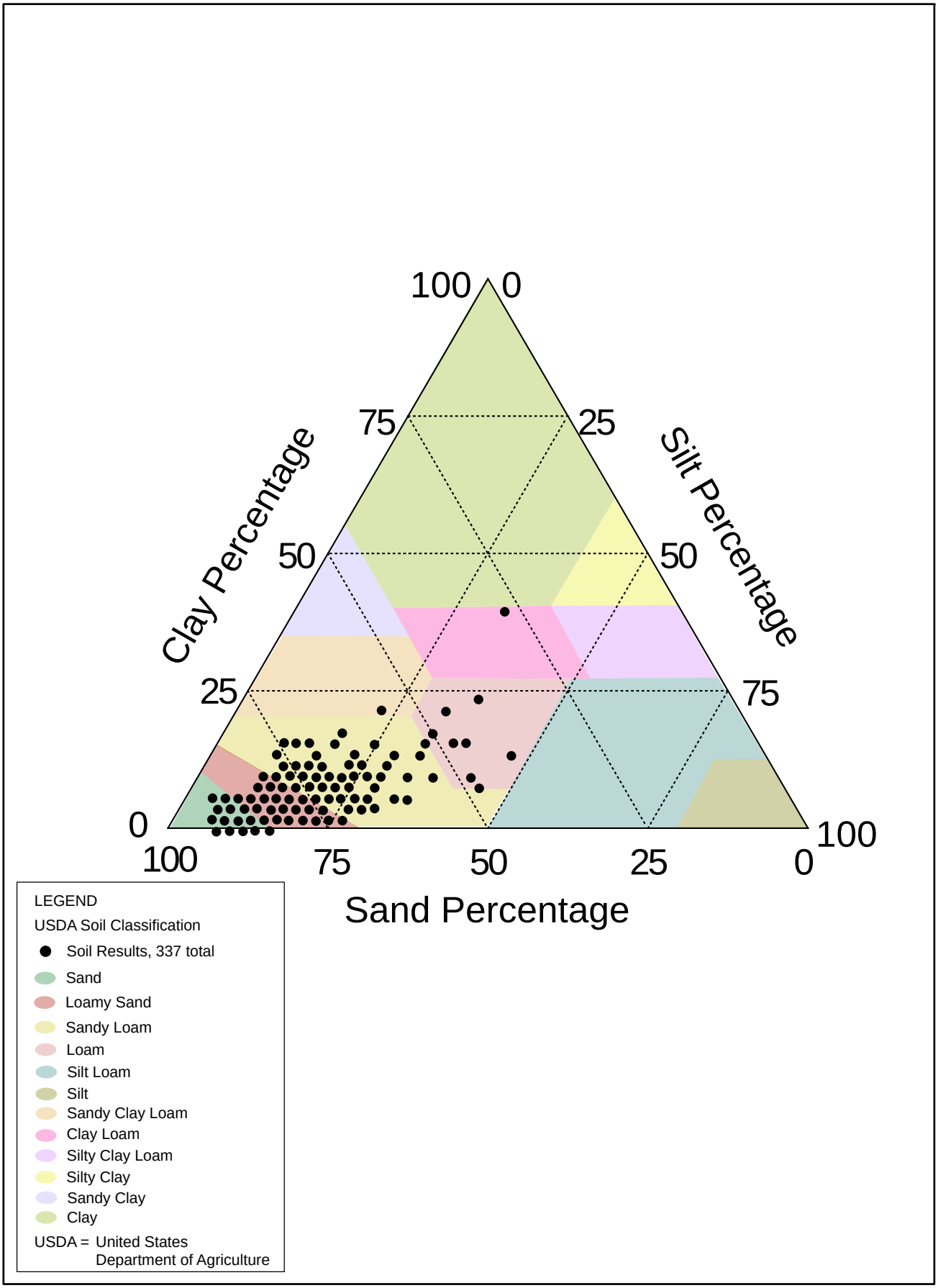
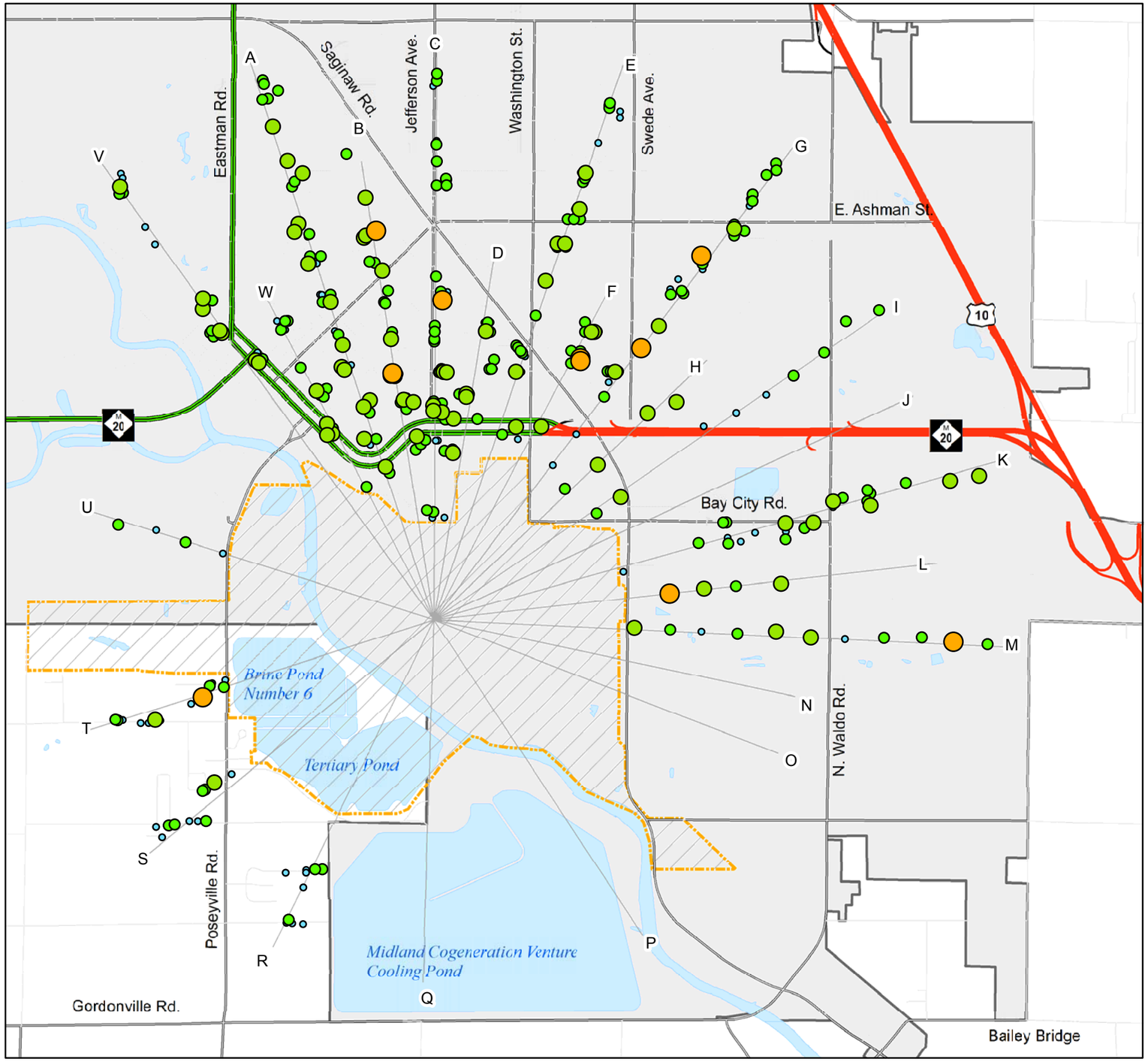


Figure 3-10
Grain Size Distribution
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils



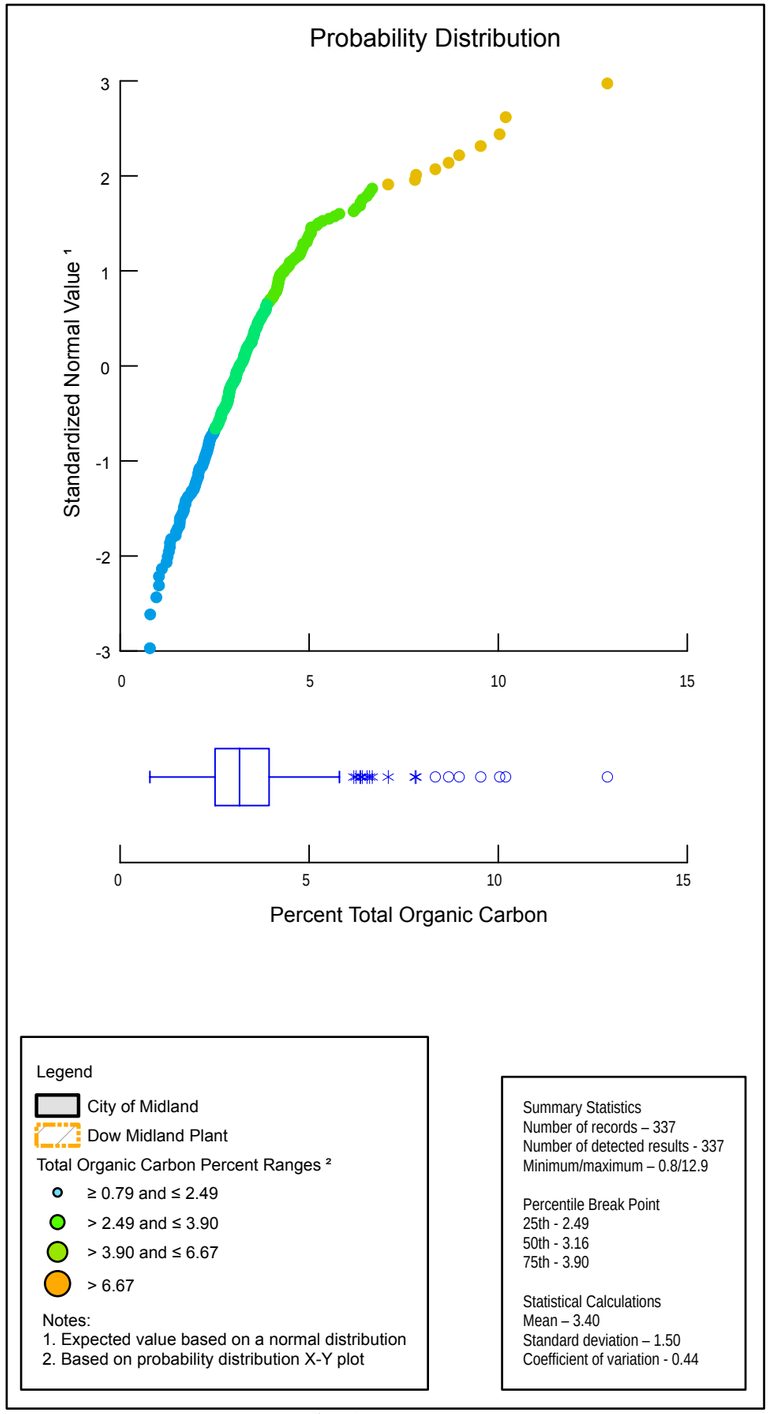
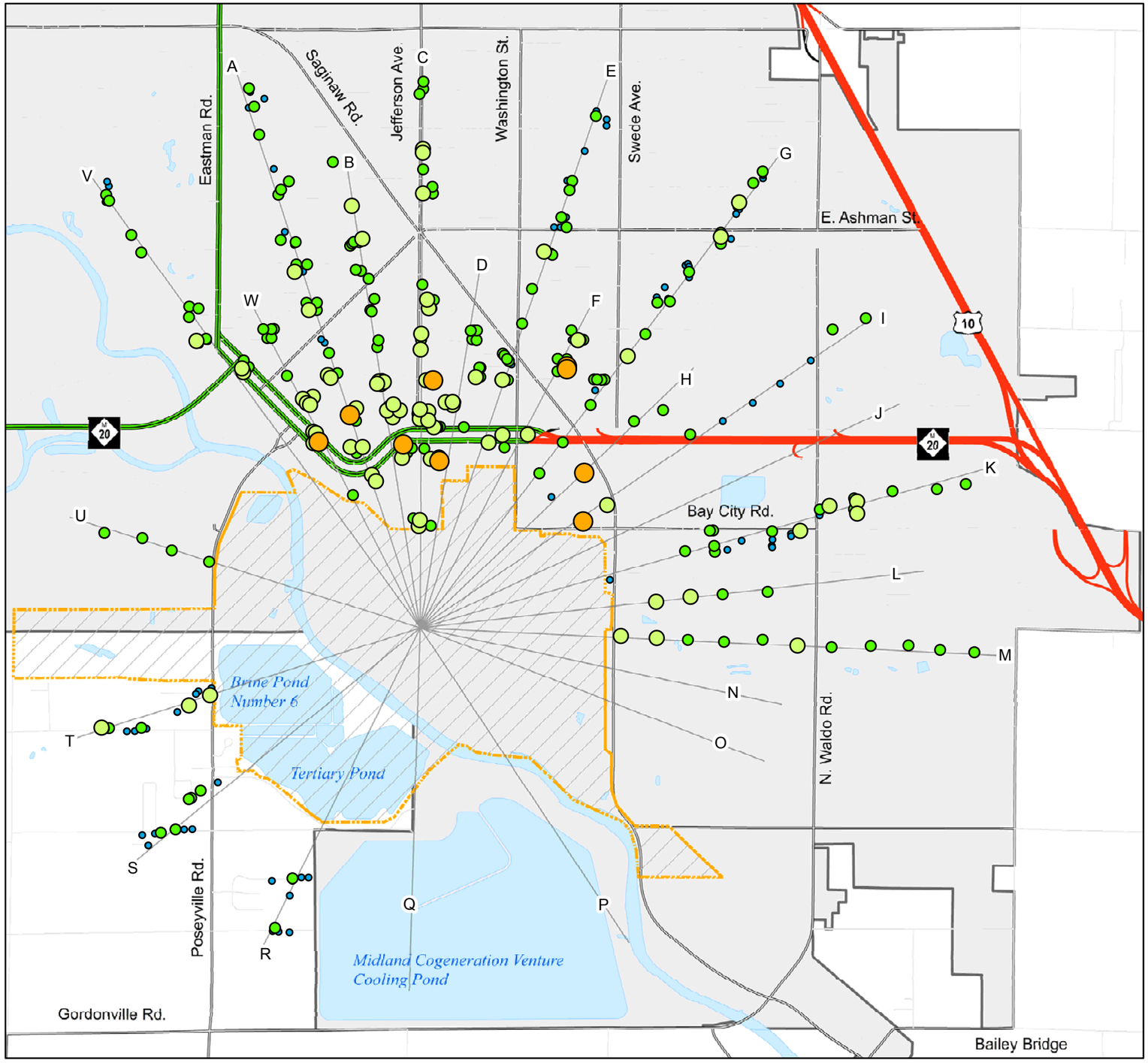


Figure 3-11
TOC Percentage Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



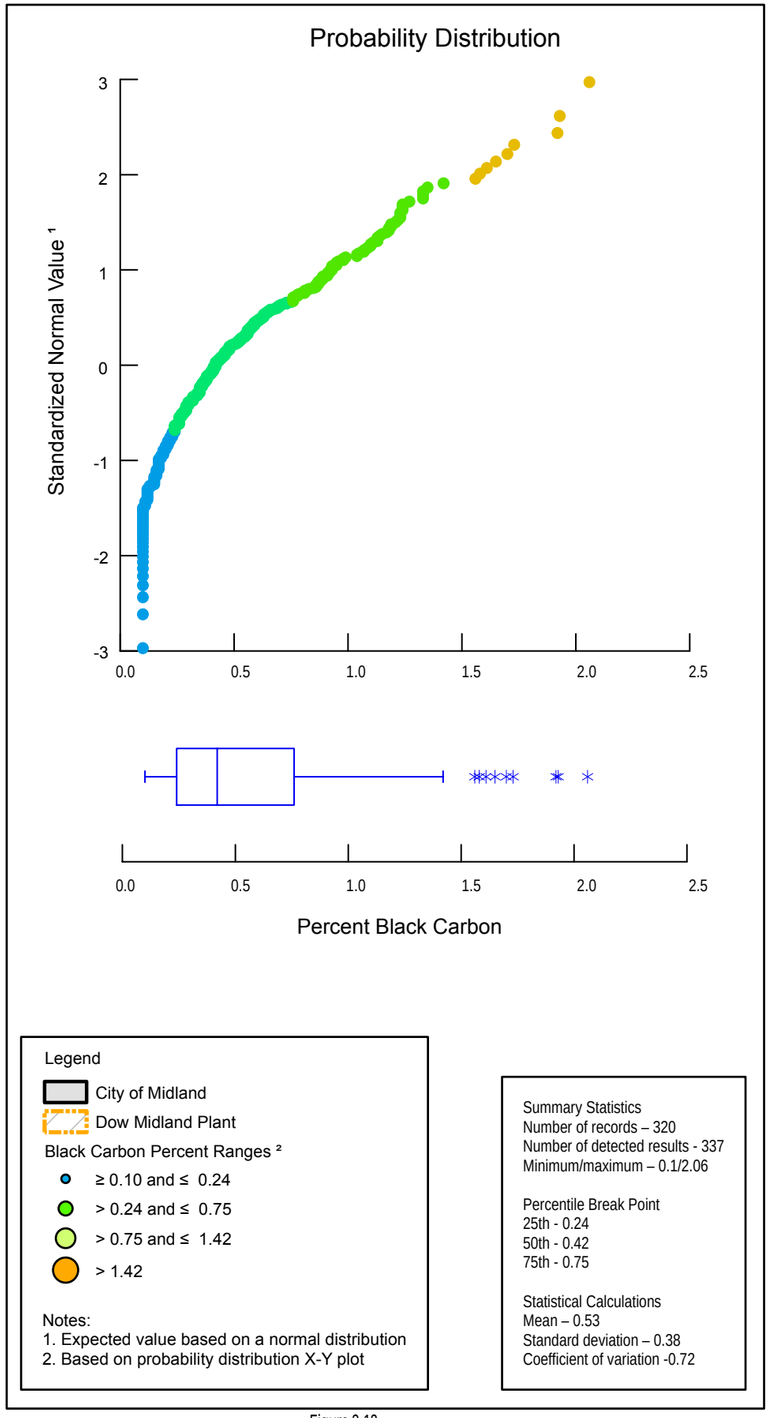
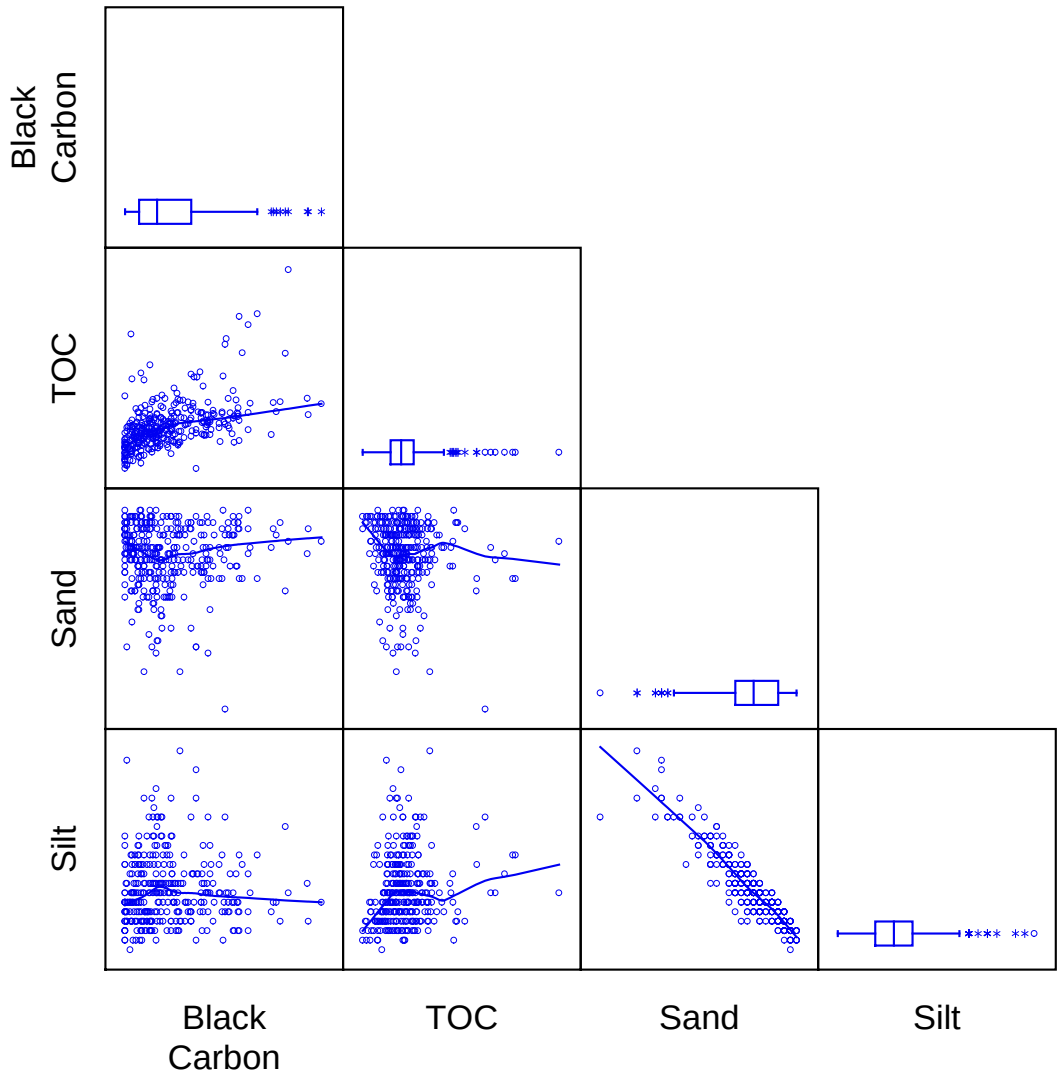
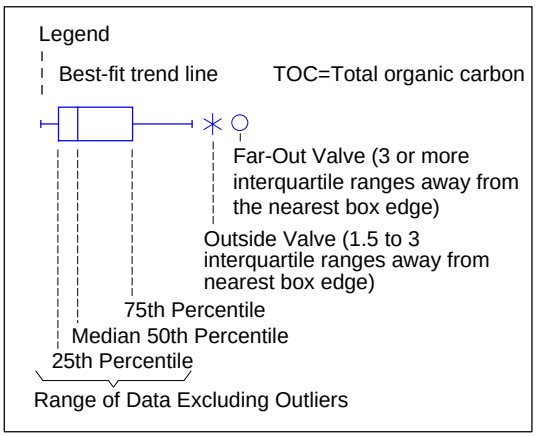


Figure 3-12
Black Carbon Percentage Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



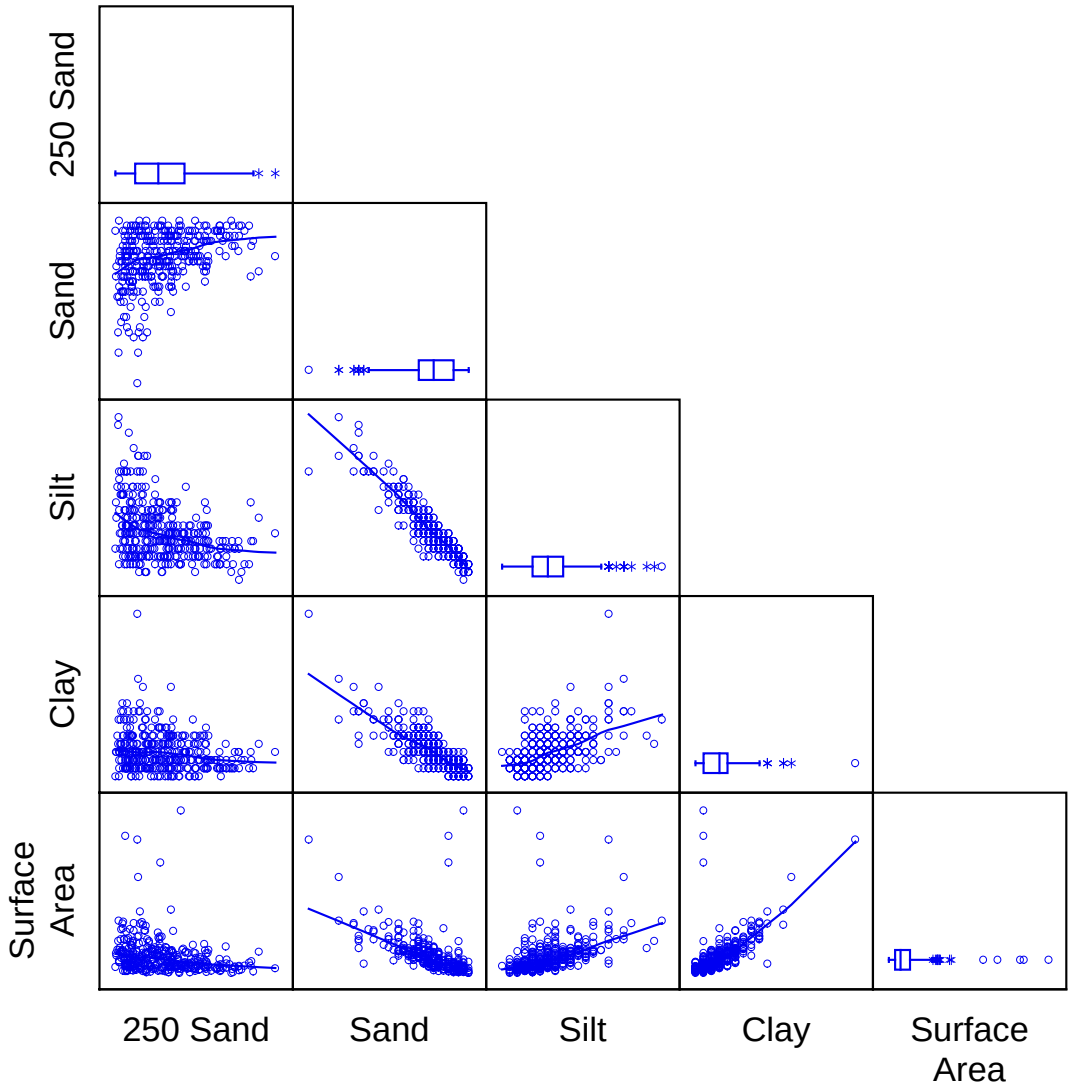


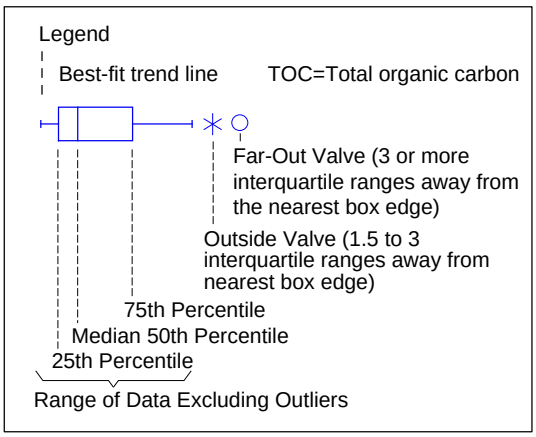
Correlation Summary

Black Carbon	na			
TOC	+	na		
sand	ns	ns	na	
Silt	ns	+	-	na
	Black Carbon	TOC	Sand	Silt

- Indicates negative correlation
+ Indicates positive correlation
ns Indicates no significant correlation
na Not applicable

Figure 3-13A
Soil Parameter Statistical Correlation Summary
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils



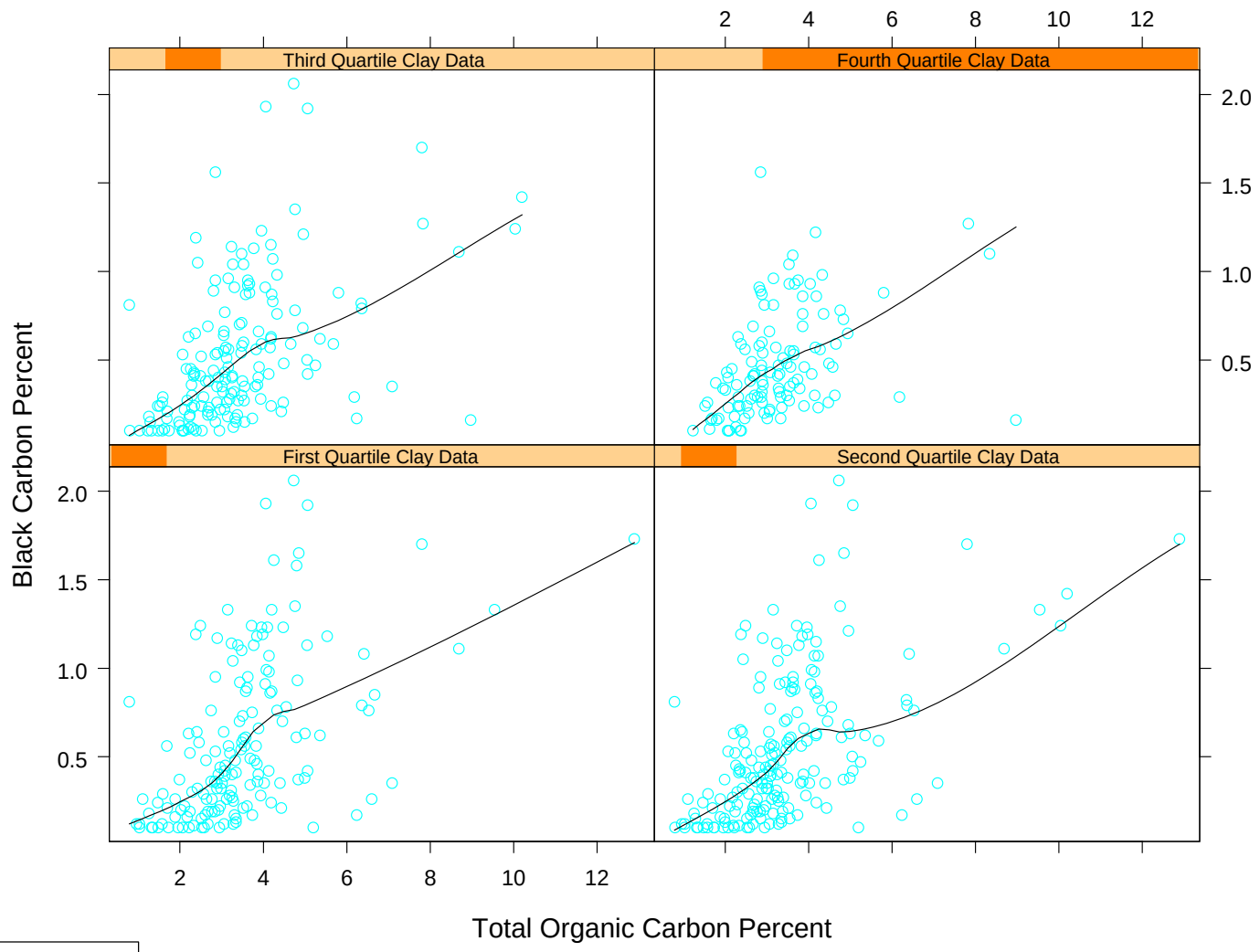


Correlation Summary

	250 Sand	Sand	Silt	Clay	Surface Area
250 Sand	na				
Sand	+	na			
Silt	-	-	na		
Clay	-	-	+	na	
Surface Area	-	-	+	+	na

- Indicates negative correlation
+ Indicates positive correlation
ns Indicates no significant correlation
na Not applicable

Figure 3-13B
Soil Parameter Statistical Correlation Summary
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils



Legend

Best-fit trend line of data

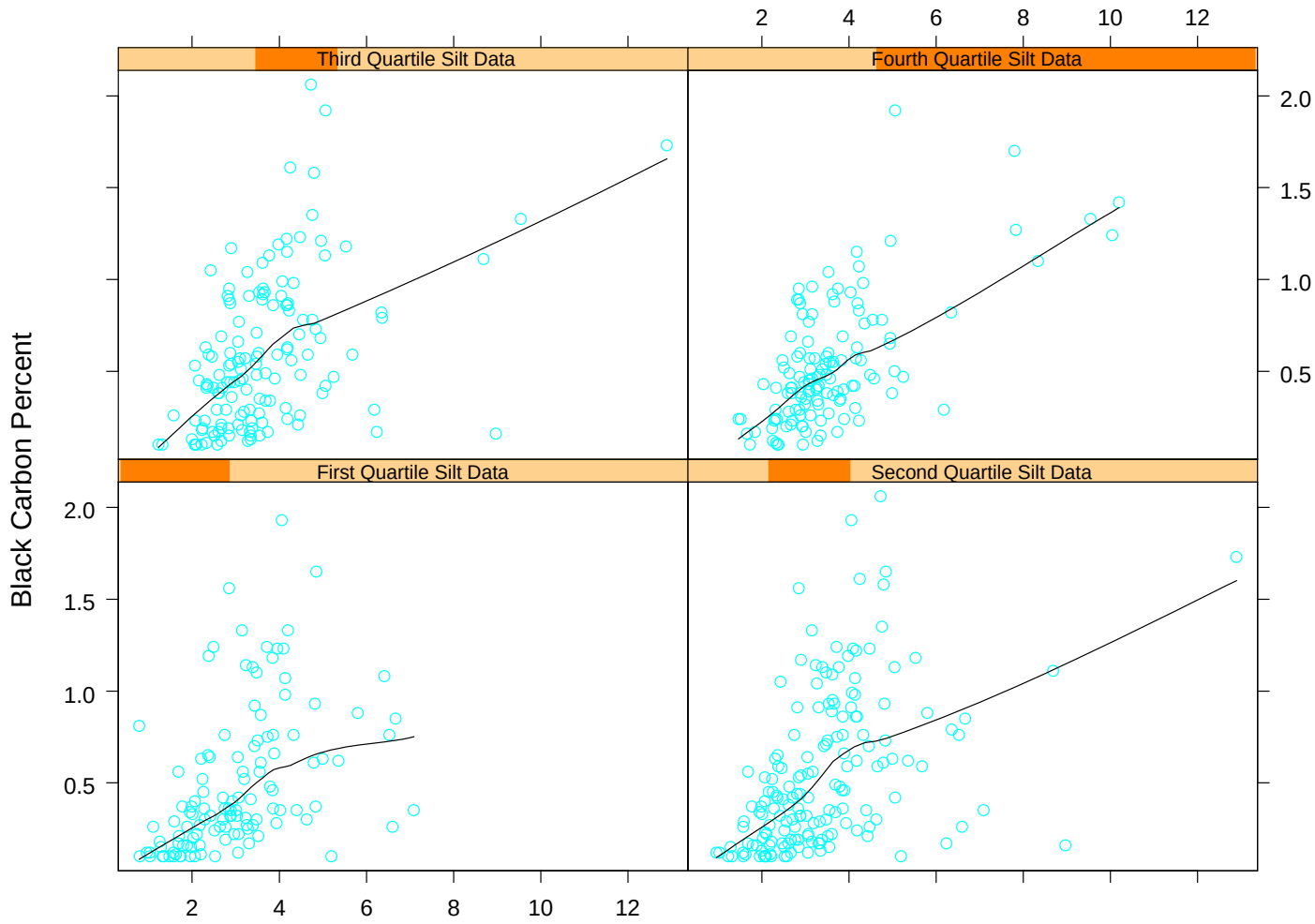
Data Point

Clay Quartile Ranges

Third Quartile	>6 – 8%	Fourth Quartile	>8 – 40%
First Quartile	0 – 2%	Second Quartile	>2 – 6%

Figure 3-14A
Black Carbon vs. TOC for Clay Conditioning Plot
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



Legend

Best-fit trend line of data

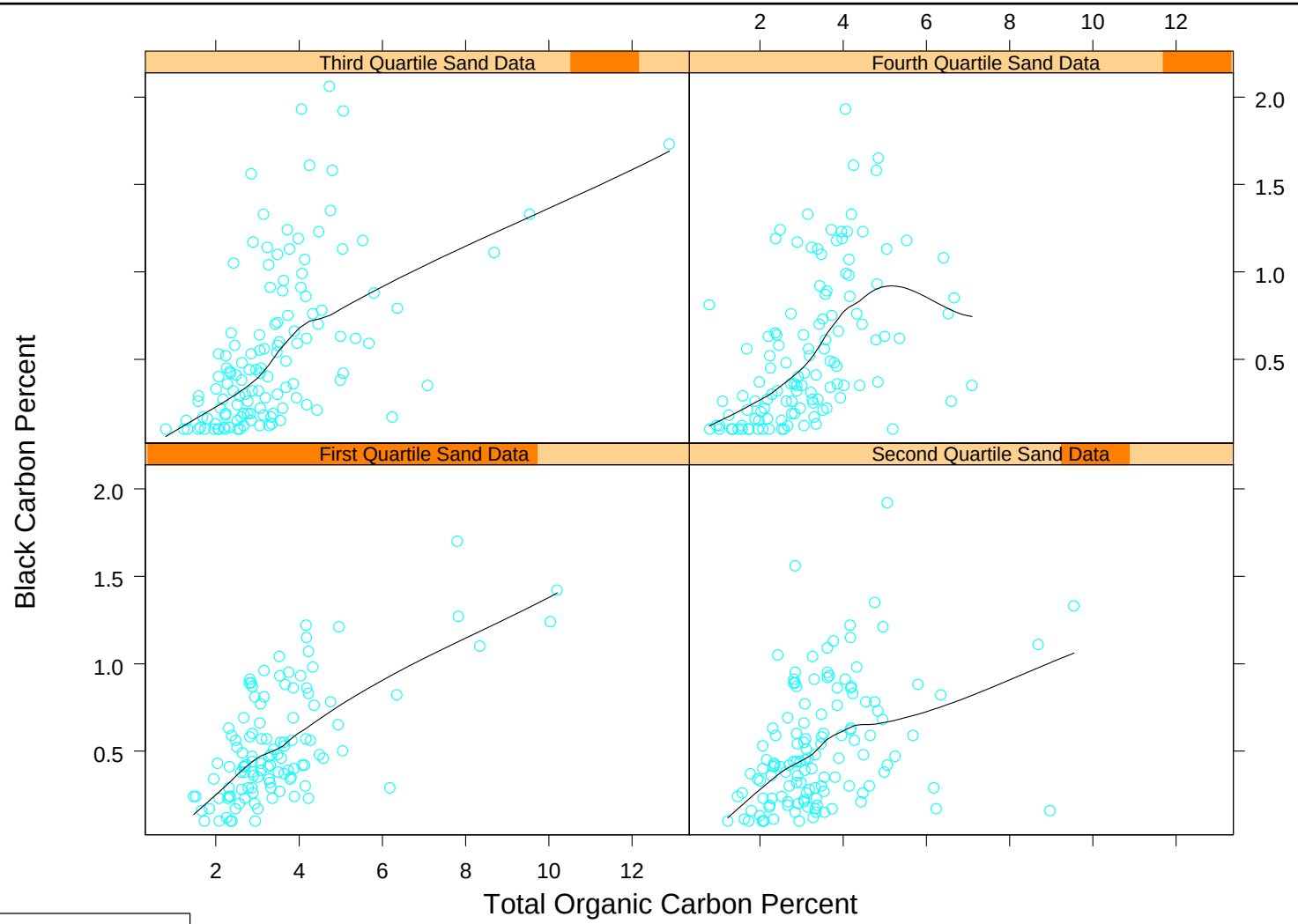
Data Point

Silt Quartile Ranges

Third Quartile	>16-20%	Fourth Quartile	>20 – 46%
First Quartile	4 – 12%	Second Quartile	>12 – 16%

Figure 3-14B
Black Carbon vs. TOC for Silt Conditioning Plot
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



Legend

Best-fit trend line of data

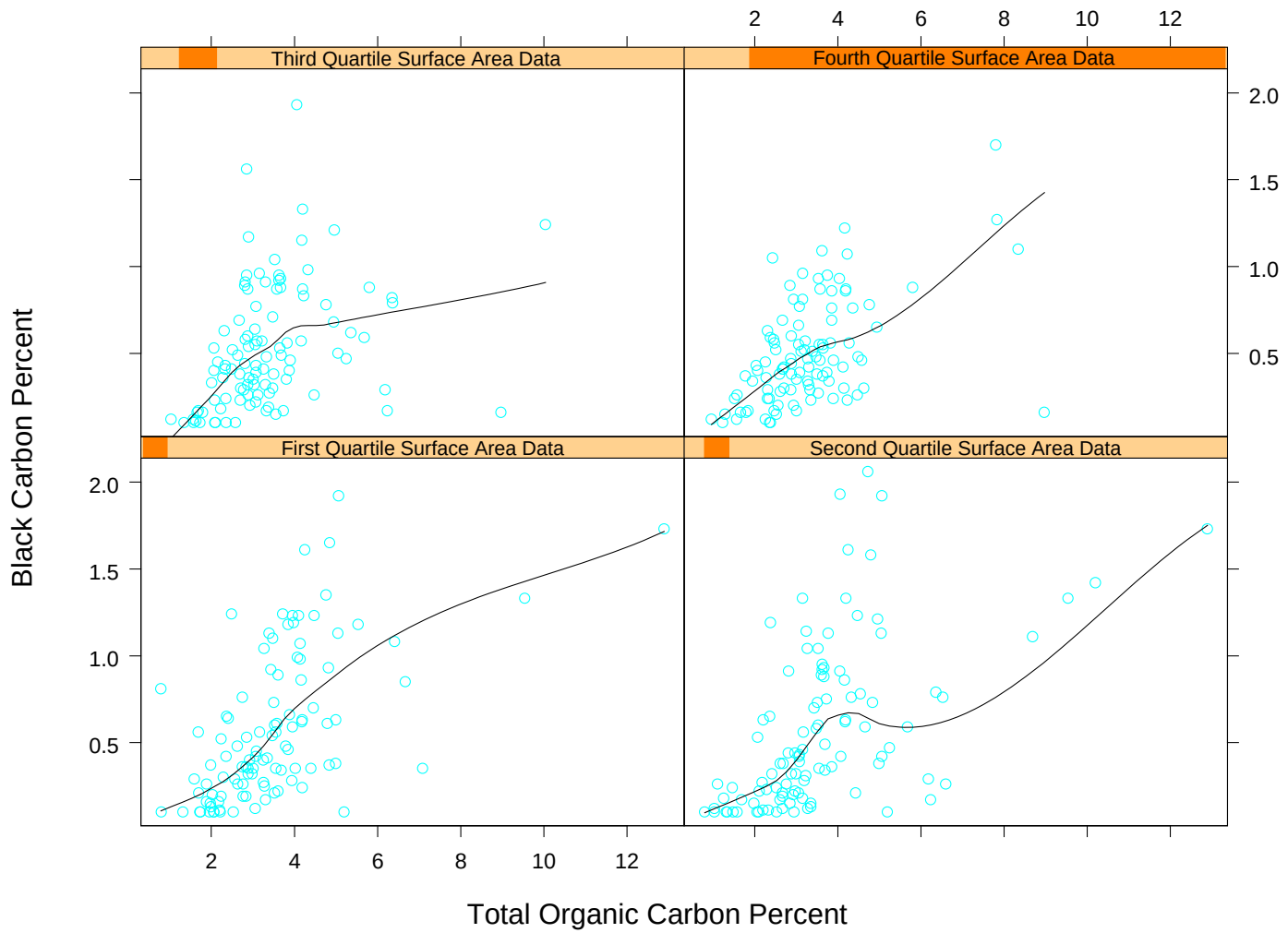
Data Point

Sand Quartile Ranges

Third Quartile	>78-86%	Fourth Quartile	>86 – 92%
First Quartile	28 – 72%	Second Quartile	>72 – 78%

Figure 3-14C
Black Carbon vs. TOC for Sand Conditioning Plot
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL



Legend

Best-fit trend line of data

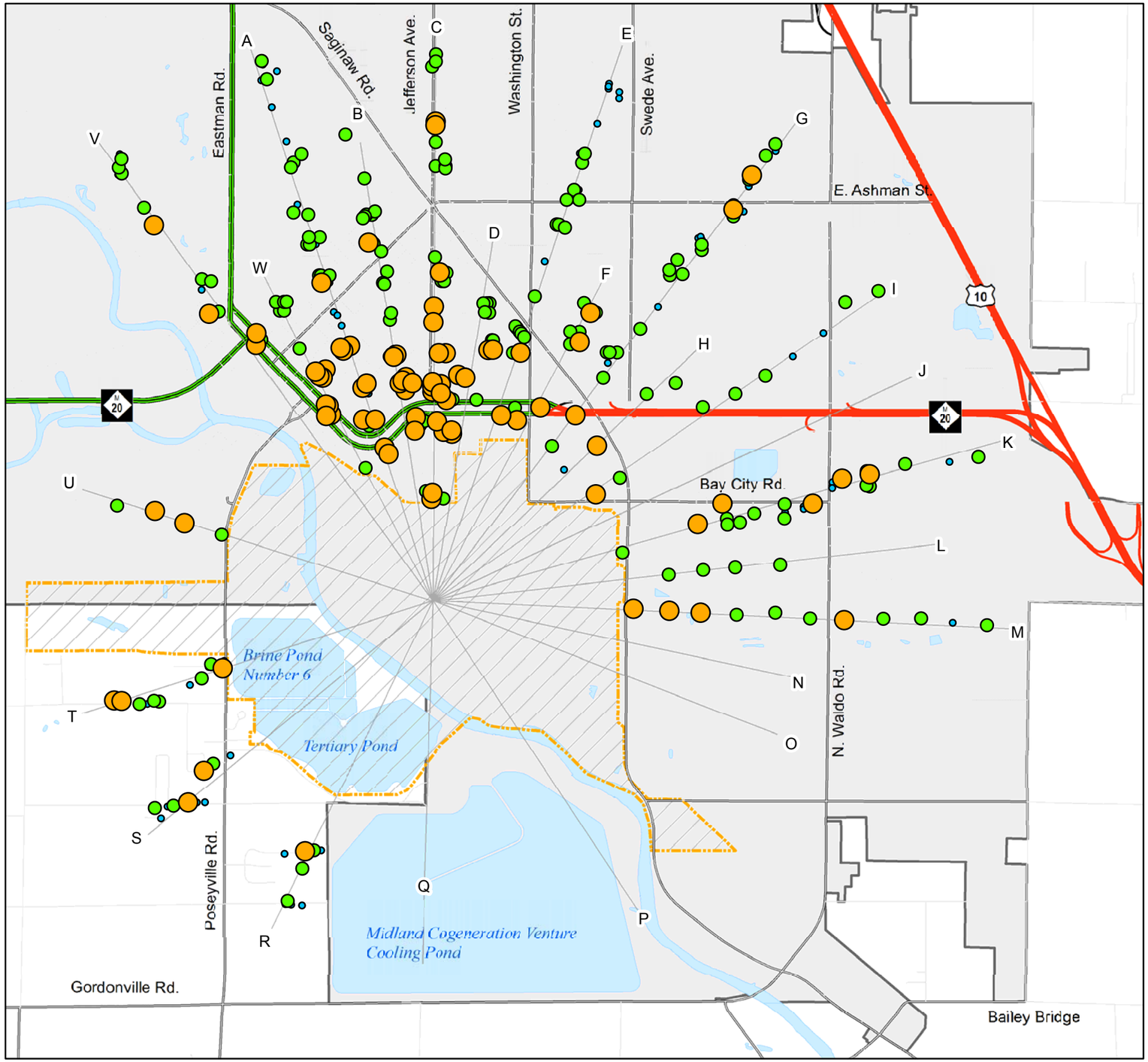
Data Point

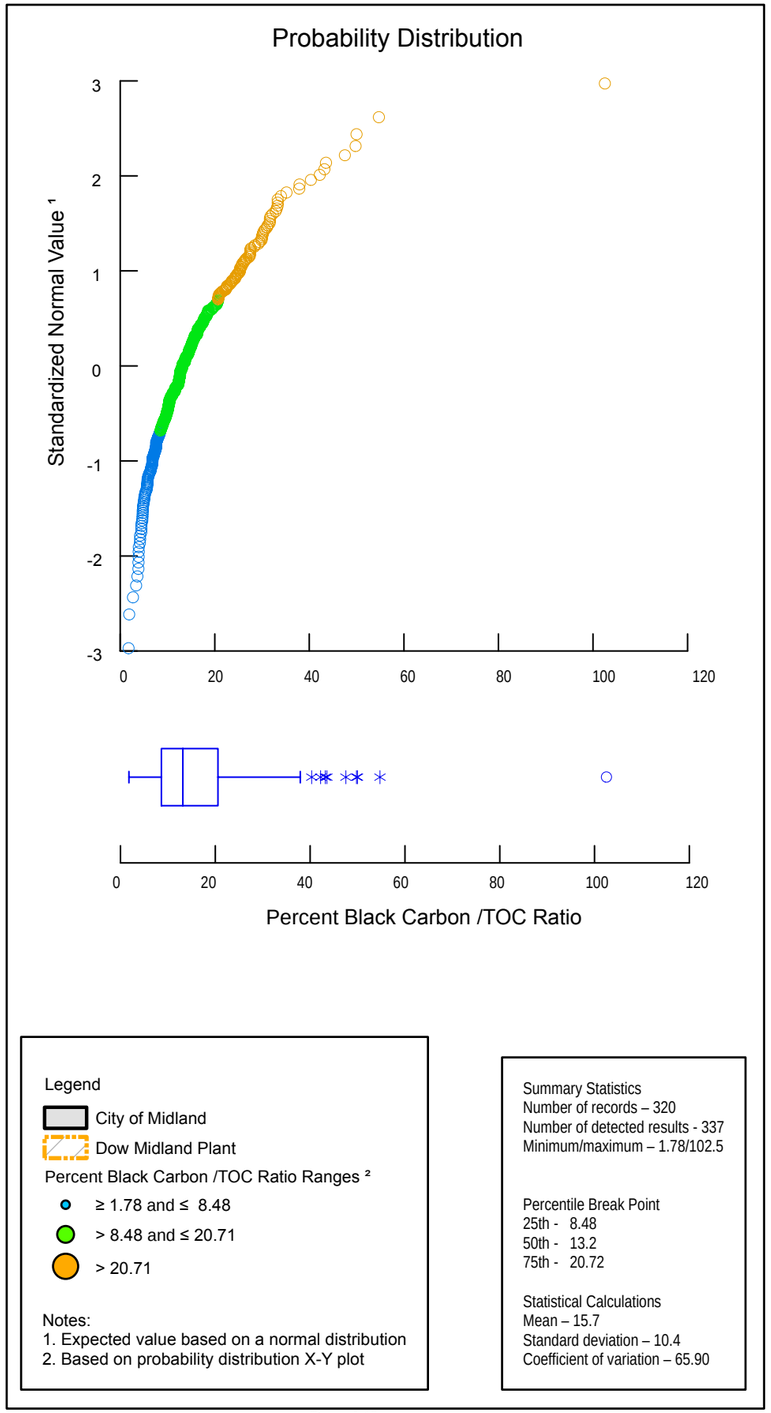
Surface Area Quartile Ranges

Third Quartile	>1.36-2.25	Fourth Quartile	>2.25-15.16
First Quartile	0.28-0.86	Second Quartile	>0.86-1.36

Figure 3-14D
Black Carbon vs. TOC for Surface Area Conditioning Plot
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL

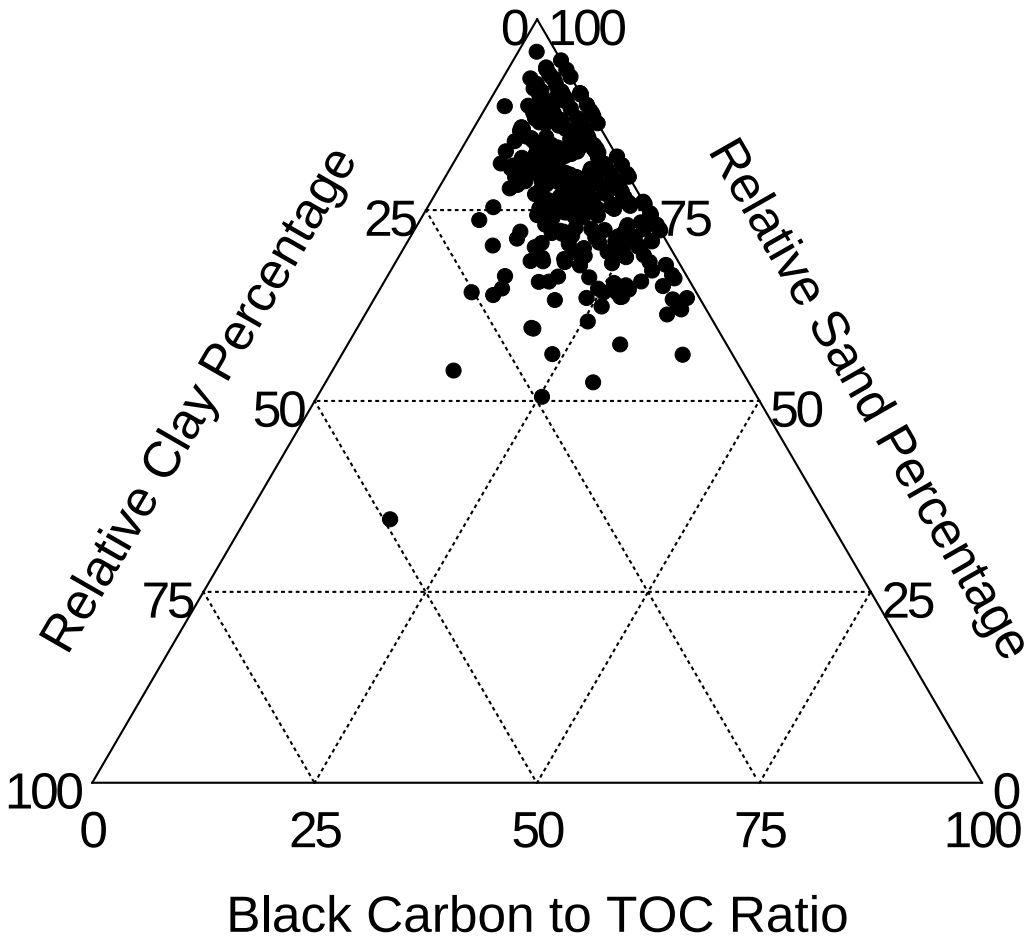




0 1,500 3,000
Feet

Figure 3-15
Black Carbon/TOC Ratio Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

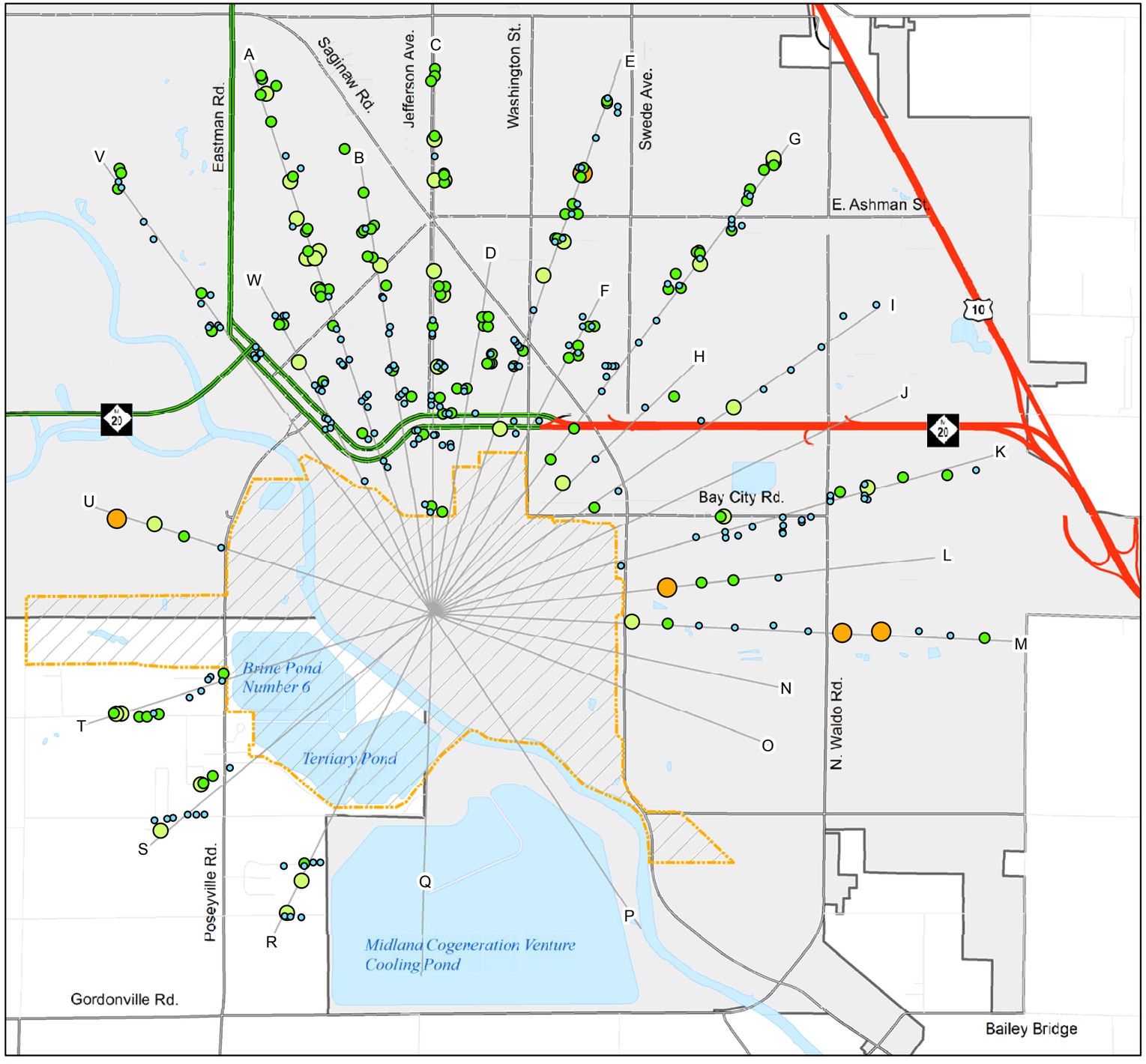
CH2MHILL

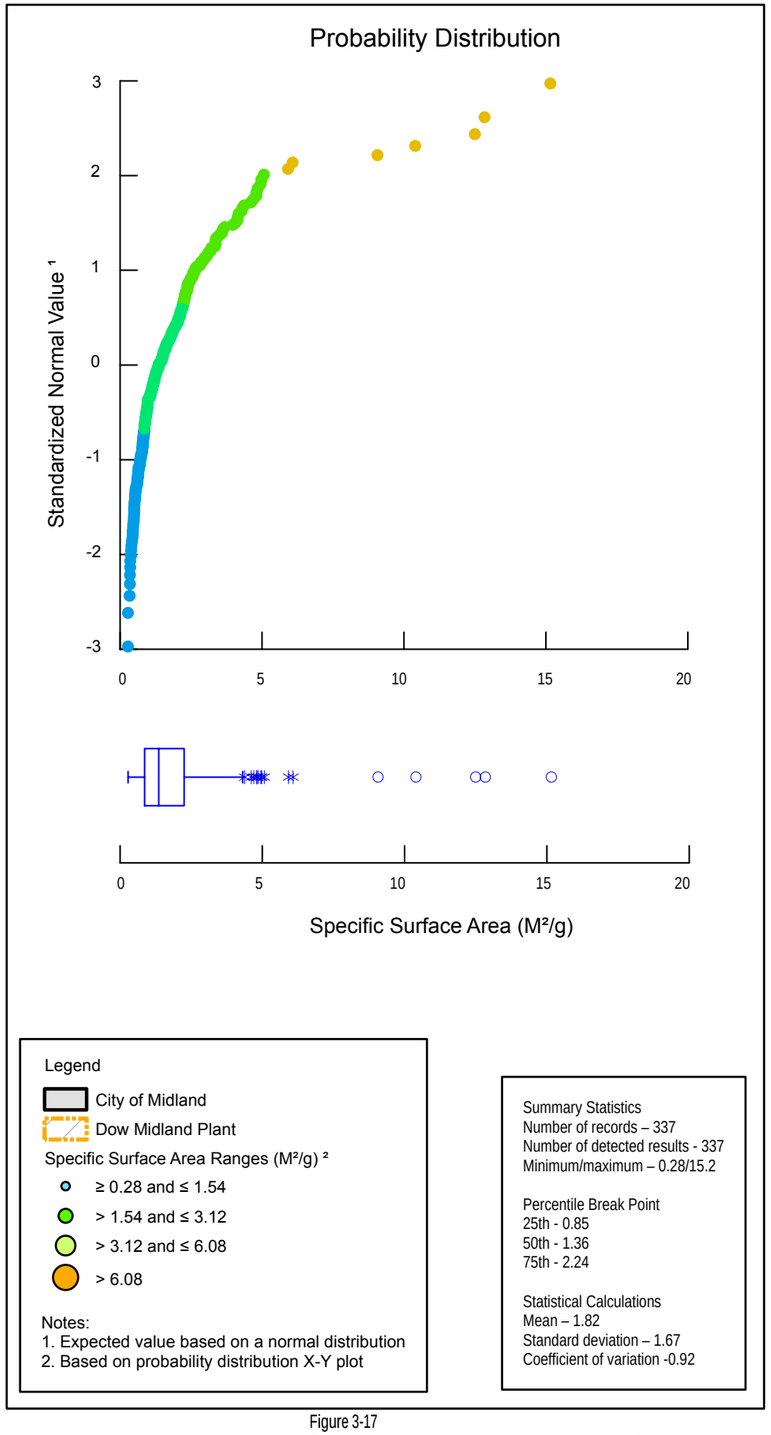


Note: Clay and sand percentages are with respect to each other

Legend
● Soil Results, 337 total
TOC=Total organic carbon

Figure 3-16
Sand, Clay and Black Carbon/TOC Ratio Distribution
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils





N
0 1,500 3,000
Feet

Figure 3-17
Surface Area Percentage Distribution Across the Midland Area
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

CH2MHILL

SECTION 4

Summary and Conclusions

This report presents the sampling results for physical and chemical parameters measured in soil samples collected in the vicinity of the Dow Midland Plant in Midland, Michigan. The report met the objectives of the study as summarized below:

- The distribution of physical and chemical parameters that are reported to influence bioavailability was characterized for the Study Area. The overall variability of each parameter is comparatively low across the Study Area. Although groups of statistically similar samples can be distinguished based on relative grain size distribution, the samples within each group are not geographically contiguous.
- Additional information was developed to supplement historical information on the nature and extent of dioxins and furans in Midland area soils. The range of concentrations reported was consistent with those previously reported in other studies. Because of the sample blinding requirements of the study, it was not possible to evaluate the spatial extent of dioxin and furans.
- Information was developed on the presence of hazardous substances in soil in the Study Area proximal to the Midland Plant. These included analyses of VOCs, SVOCs, metals, pesticides, and PCBs. Only 17 compounds were identified that exceeded the most stringent MDEQ generic cleanup criteria. It was not possible to assess whether these compounds were related to releases from the Midland Plant due to the blinding requirements of the study.

SECTION 5

References

CH2M HILL. 2006. Sampling and Analysis Plan in Support of Bioavailability Study, Midland Area Soils. June (revised November).

Michigan Department of Environmental Quality (MDEQ). 2006. Remediation and Redevelopment Division (RRD) Operational Memorandum No. 1, Part 201 Cleanup Criteria and Part 213 Risk-based Screening Levels – Attachment 1, Table 2, Soil: Residential and Commercial I Part 201 Generic Cleanup Criteria and Screening Levels.

United States Department of Agriculture (USDA). 1995. Soil survey laboratory information manual. Natural Resources Conservation Service, Soil Survey Investigations Report No. 45, Version 1.0, National Soil Survey Center, Lincoln, NE.

van den Berg, M., L.S. Birnbaum, M. Denison, M. De Vito, W. Farland, M. Feeley, H. Fiedler, H. Hakansson, A. Hanberg, L. Haws, M. Rose, S. Safe, D. Schrenk, C. Tohyama, A. Tritscher, J., Tuomisto, M. Tysklind, N. Walker, and R. Peterson. 2006. The World Health Organization Re-Evaluation of Human and Mammalian Toxic Equivalency Factors for Dioxins and Dioxin-Like Compounds. Toxicological Sciences. 93(2):223–241 (doi:10.1093/toxsci/kfl055).

Appendix A

Sampling and Analysis Plan Deviation Summary

TABLE A-1
Summary of SAP Deviations
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

	SAP Deviation and Resolution	
Deviation from Project Plan	**Discussion and Resolution**	**Impact on Results**
Additional chemical sites H-02, M-02, O-01, S-02, and U-01, originally sampled on 11/1 were resampled on 11/2	Because additional chemical stations not requiring MDEQ splits were sampled the first day, not all MDEQ splits could be collected. Due to blinding protocol, stations had to be resampled on the date the remaining MDEQ additional chemical splits were collected.	No impact. In all cases, properly collected samples were submitted to the lab.
No grass seed was used at the sample locations	Sample crews were able to preserve the turf while collecting samples. Lawns were not disturbed enough to require reseeding.	No impact. Lawns were restored to pre-sample conditions.
Sample crews used different tools to collect samples.	Crews used trowels and/or bulb setters to collect samples. Each individual decided which tool was preferred.	No impact. All tools allowed collection of samples from defined intervals, were stainless steel, and were decontaminated following SOPs.
Some stations had more than five parcels with approved access agreements, but less than five parcels were sampled.	At the time parcels were randomly chosen for each station, the sample locations for that station were finalized. In cases where access agreements were received after the date of station finalization, those additional parcels were not considered for sampling.	No impact. In no instance was a station finalized and eliminated from sampling due to an insufficient number of agreements which were later received.
Two samples were submitted to the wrong lab.	Two samples intended for QTI were mistakenly sent to PTL. PTL was able to locate these samples and turned them over to QTI for analysis.	No impact. In all cases, properly collected samples were submitted to the lab. The samples affected did not have minimum holding times.
One sample was mistakenly submitted for analysis.	One soil parameter sample was taken from a location that should not have been sampled for soil parameters. This sample was submitted to the labs for analysis. The labs were contacted and instructed not to report results for this sample and to turn over the sample to FTC&H for disposal.	No impact. The sample and any results of analysis were properly disposed of.
Parcels were added to stations A-10 and C-13.	These stations had two access agreements approved. In order to obtain the minimum three agreements required for sampling the station, the size of the station was enlarged and additional parcels were added.	The impact of this action was the ability to sample more stations than would have otherwise been possible.

TABLE A-1
Summary of SAP Deviations
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

	SAP Deviation and Resolution	
Deviation from Project Plan	**Discussion and Resolution**	**Impact on Results**
Additional handling of samples was required in order to accommodate the blinding procedures.	Samples jars were labeled using masking tape in the field. To assist with the blinding process, removable wire tag labels were attached around the necks of the sample bottles before the samples were transferred to FTC&H. To prevent the labels from being dislodged during transport, electrical tape was wrapped around the wire at the neck of the bottle.	The use of electrical tape to accommodate the blinding procedures may have attributed to the high toluene concentrations in many of the samples.
All residual soil collected during the sampling event were transferred to FTC&H once sampling was completed.	In some cases, soil was collected, but not sent for analysis. MDEQ splits were collected, but never claimed by MDEQ officials. An excess of soil was mistakenly collected at some locations. In addition, there were a small number of broken sample bottles and their contents.	No impact. In all cases, properly collected samples were submitted to the lab. Excess samples were submitted to FTC&H to retain blinding and ensure they were not analyzed.
Soil samples collected in 32-ounce jars were later divided into three jars.	At the beginning of sampling, the plan was for all soil parameters to be analyzed by a single lab. Later, it was determined that these parameters would be analyzed by three separate labs. All decontamination procedures were utilized in the transfer of soil from large jars to small jars.	No impact. In all cases, properly collected samples were submitted to the lab.
Chain-of-custody handoff irregularity.	Both signed copies of a chain-of-custody went with MDEQ when they picked up a set of splits. In addition, one equipment blank was transferred to FTC&H without being added to the chain-of-custody. A chain-of-custody was generated and submitted to FTC&H on the next sample transfer date.	No impact. In all cases, properly collected samples were submitted to the lab.
Document cleanup issues	During QC of the field documents, some inconsistencies between field books and data sheets were found. All changes to these documents were initialed by the reviewer and dated.	No impact expected. In all cases, properly collected samples were submitted to the lab.
A different land use classification was provided by the field team than that of the GIS analysis for a number of parcels.	GIS personnel and field team members participated in a conference call to discuss land use for these parcels. In all cases, an agreement was reached concerning the correct land use.	No impact. Suitable land use classifications are assigned to all parcels.

TABLE A-1
Summary of SAP Deviations
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

	SAP Deviation and Resolution	
Deviation from Project Plan	**Discussion and Resolution**	**Impact on Results**
Differences were found between the number of jars of soil and the number listed in tracking files.	One parameter duplicate was listed in the tracking files, but was never collected. No chain-of-custody was generated for this sample. It has been determined that this duplicate was a typographical error in the tracking file. Five MDEQ splits were collected, but no chain-of-custody was ever generated for these samples. MDEQ officials were present during sample collection and took these samples with them. Consequently, there was no need for a chain-of-custody.	No impact. In all cases, properly collected samples were submitted to the lab.

Appendix B
Quality Control Sample Summary and Equipment and Trip Blank Results

TABLE B-1
Summary of Quality Control Samples and Sample Intervals by Station
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

	0- to 1-inch Sampling Interval*						1- to 6-inch Sampling Interval*			
Station ID	**Collocates**	**Additional Chemical Duplicates**	**Additional Chemical Splits**	**Additional Chemical MS/MSD**	**Soil Parameter Duplicates**	**Soil Parameter Splits**	**Collocates**	**Additional Chemical Duplicates**	**Additional Chemical Splits**	**Additional Chemical MS/MSD**
A-01	0	1	0	1	0	0	0	1	0	1
A-02	0	0	2	0	0	2	0	0	2	0
A-03	0	0	0	0	0	0	-	-	-	-
A-04	0	0	0	0	0	0	-	-	-	-
A-05	0	0	0	0	0	0	-	-	-	-
A-06	0	0	0	0	0	0	-	-	-	-
A-07	0	0	0	0	0	0	-	-	-	-
A-08	0	0	0	0	1	0	-	-	-	-
A-09	4	0	0	0	0	0	-	-	-	-
A-10	0	0	0	0	0	3	-	-	-	-
A-11	0	0	0	0	0	0	-	-	-	-
A-12	0	0	0	0	0	0	-	-	-	-
A-13	0	0	0	0	0	0	-	-	-	-
B-01	0	0	0	0	1	0	0	0	0	0
B-03	5	0	0	0	1	0	-	-	-	-
B-04	5	0	0	0	1	0	-	-	-	-
B-05	0	0	0	0	1	0	-	-	-	-
B-06	2	0	0	0	0	0	-	-	-	-
B-07	0	0	0	0	1	0	-	-	-	-
B-08	3	0	0	0	0	0	-	-	-	-
B-09	0	0	0	0	1	0	-	-	-	-
B-10	0	0	0	0	0	0	-	-	-	-
B-11	0	0	0	0	0	0	-	-	-	-
C-01	0	0	3	0	0	2	0	0	3	0
C-02	3	0	0	0	0	0	3	0	0	0
C-03	0	0	0	0	1	0	-	-	-	-
C-04	0	0	0	0	1	0	-	-	-	-
C-05	0	0	0	0	0	5	-	-	-	-
C-06	0	0	0	0	0	4	-	-	-	-
C-07	0	0	0	0	1	4	-	-	-	-
C-08	0	0	0	0	0	0	-	-	-	-
C-10	0	0	0	0	1	0	-	-	-	-
C-11	0	0	0	0	1	0	-	-	-	-
C-13	0	0	0	0	0	0	-	-	-	-
D-01	0	1	0	1	0	0	0	1	0	1
D-02	0	0	5	0	0	3	0	0	5	0
D-03	0	0	0	0	0	0	-		-	-
D-04	0	0	0	0	0	0	-		-	-
D-05	0	0	0	0	0	0	-		-	-
E-01	0	0	0	0	0	0	0	0	0	0
E-02	0	0	0	0	1	0	0	0	0	0
E-03	0	0	0	0	0	0	-	-	-	-
E-04	0	0	0	0	0	5	-	-	-	-
E-05	0	0	0	0	0	0	-	-	-	-
E-06	0	0	0	0	0	0	-	-	-	-
E-07	0	0	0	0	0	0	-	-	-	-
E-08	5	0	0	0	0	0	-	-	-	-
E-09	0	0	0	0	1	0	-	-	-	-
E-10	1	0	0	0	0	0	-	-	-	-
E-11	0	0	0	0	1	0	-	-	-	-
F-01	0	0	0	0	0	0	0	0	0	0
F-02	0	0	0	0	0	0	0	0	0	0
F-04	0	0	0	0	0	0	-	-	-	-
F-05	0	0	0	0	0	0	-	-	-	-
G-01	0	1	0	1	0	0	0	1	0	1
G-02	0	1	0	1	0	0	0	1	0	1
G-03	0	0	0	0	1	0	-	-	-	-
G-04	0	0	0	0	0	0	-	-	-	-
G-05	0	0	0	0	1	0	-	-	-	-
G-06	1	0	0	0	1	0	-	-	-	-
G-07	0	0	0	0	0	0	-	-	-	-
G-08	0	0	0	0	1	0	-	-	-	-
G-09	0	0	0	0	0	0	-	-	-	-
G-10	0	0	0	0	1	0	-	-	-	-
G-11	0	0	0	0	0	0	-	-	-	-
G-12	0	0	0	0	1	0	-	-	-	-
H-02	0	0	1	0	0	1	0	0	1	0
H-03	1	0	0	0	0	0	1	0	0	0
H-04	0	0	0	0	0	0	-	-	-	-
H-05	0	0	0	0	0	0	-	-	-	-
I-01	0	0	0	0	0	0	0	0	0	0
I-02	0	0	0	0	0	0	0	0	0	0
I-04	0	0	0	0	1	0	-	-	-	-
I-05	0	0	0	0	0	0	-	-	-	-
I-06	1	0	0	0	0	0	-	-	-	-
I-07	1	0	0	0	0	0	-	-	-	-
I-08	0	0	0	0	0	0	-	-	-	-
I-09	0	0	0	0	0	0	-	-	-	-
I-10	0	0	0	0	0	0	-	-	-	-

TABLE B-1
Summary of Quality Control Samples and Sample Intervals by Station
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

	0- to 1-inch Sampling Interval*						1- to 6-inch Sampling Interval*			
Station ID	**Collocates**	**Additional Chemical Duplicates**	**Additional Chemical Splits**	**Additional Chemical MS/MSD**	**Soil Parameter Duplicates**	**Soil Parameter Splits**	**Collocates**	**Additional Chemical Duplicates**	**Additional Chemical Splits**	**Additional Chemical MS/MSD**
J-01	0	0	0	0	0	0	0	0	0	0
J-02	0	0	0	0	0	0	0	0	0	0
K-01	0	1	0	1	0	0	0	1	0	1
K-03	0	0	0	0	0	0	-	-	-	-
K-04	0	0	0	0	1	0	-	-	-	-
K-05	0	0	0	0	1	5	-	-	-	-
K-06	0	0	0	0	1	0	-	-	-	-
K-07	0	0	0	0	0	0	-	-	-	-
K-08	0	0	0	0	0	0	-	-	-	-
K-09	0	0	0	0	0	0	-	-	-	-
K-10	1	0	0	0	1	0	-	-	-	-
K-11	1	0	0	0	0	0	-	-	-	-
L-01	0	0	0	0	0	0	0	0	0	0
L-02	0	0	0	0	0	0	0	0	0	0
L-03	0	0	0	0	1	0	-	-	-	-
L-04	0	0	0	0	0	0	-	-	-	-
L-05	0	0	0	0	0	0	-	-	-	-
M-01	1	0	0	0	0	0	1	0	0	0
M-02	0	0	1	0	0	1	0	0	1	0
M-03	0	0	0	0	0	0	-	-	-	-
M-04	0	0	0	0	1	0	-	-	-	-
M-05	0	0	0	0	0	0	-	-	-	-
M-06	0	0	0	0	0	0	-	-	-	-
M-07	0	0	0	0	1	0	-	-	-	-
M-08	0	0	0	0	0	0	-	-	-	-
M-09	0	0	0	0	0	0	-	-	-	-
M-10	0	0	0	0	0	0	-	-	-	-
M-11	0	0	0	0	0	0	-	-	-	-
N-01	0	0	0	0	0	0	0	0	0	0
O-01	0	0	0	0	0	0	0	0	0	0
R-02	0	5	0	5	0	0	0	5	0	5
R-03	0	0	0	0	1	0	-	-	-	-
R-04	0	0	0	0	1	4	-	-	-	-
S-01	1	0	0	0	1	0	1	0	0	0
S-02	0	0	3	0	0	2	0	0	3	0
S-03	0	0	0	0	0	0	-	-	-	-
S-04	0	0	0	0	0	0	-	-	-	-
T-01	0	0	0	0	0	0	0	0	0	0
T-02	0	0	0	0	0	0	0	0	0	0
T-03	0	0	0	0	1	0	-	-	-	-
T-04	0	0	0	0	0	0	-	-	-	-
U-01	0	0	1	0	0	1	0	0	1	0
U-02	0	0	0	0	0	0	0	0	0	0
U-03	1	0	0	0	0	0	-	-	-	-
U-04	1	0	0	0	0	0	-	-	-	-
V-02	0	0	0	0	0	0	0	0	0	0
V-04	0	0	0	0	0	0	-	-	-	-
V-05	5	0	0	0	0	0	-	-	-	-
V-06	3	0	0	0	1	0	-	-	-	-
V-08	0	0	0	0	0	0	-	-	-	-
V-09	0	0	0	0	0	0	-	-	-	-
V-10	5	0	0	0	0	0	-	-	-	-
W-01	0	0	0	0	0	0	0	0	0	0
W-03	5	0	0	0	2	0	5	0	0	0
W-04	0	0	0	0	0	0	-	-	-	-
W-05	0	0	0	0	0	0	-	-	-	-
W-06	0	0	0	0	0	0	-	-	-	-
TOTALS	**56**	**10**	**16**	**10**	**36**	**42**	**11**	**10**	**16**	**10**

*Duplicate, split, and MS/MSD samples were collected at every sampling location for dioxins and furans; therefore, they were not summarized in this table.
- = no sample collected from 1 to 6 inches

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-1	EB-10-23-06-1	10-23-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	1		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-2	EB-10-23-06-2	10-23-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-3	EB-10-23-06-3	10-23-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-4	EB-10-23-06-4	10-23-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-5	EB-10-23-06-5	10-23-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-23-06-6	EB-10-23-06-6	10-23-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Pentachloro-dibenzofuran	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10-30-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10-30-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10-30-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10-30-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-10-30-06-5	EB-10-30-06-5	11-06-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-1	EB-11-06-06-1	11-06-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-2	EB-11-06-06-2	11-06-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Hexachloro-dibenzofuran	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-3	EB-11-06-06-3	11-06-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-4	EB-11-06-06-4	11-06-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-5	EB-11-06-06-5	11-06-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L

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Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-06-06-6	EB-11-06-06-6	11-06-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11-13-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11-13-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11-13-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Heptachloro-dibenzofuran	0		ng/L

TABLE B-2
Dioxin and Furan - Equipment Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-4	EB-11-13-06-4	11-13-2006	Total Tetrachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	2,3,4,7,8-PENTACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	2,3,7,8-TETRACHLORODIBENZOFURAN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5		2005 WHO Mammalian TEQ	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Heptachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Heptachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Hexachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Hexachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Pentachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Pentachloro-dibenzofuran	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Tetrachloro-dibenzodioxin	0		ng/L
MidBlind_EB-11-13-06-5	EB-11-13-06-5	11-13-2006	Total Tetrachloro-dibenzofuran	0		ng/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Carbon tetrachloride	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Hexanone	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,1,1,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Acetone	2.94		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Chloroform	2.96		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzene	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,1,1-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Bromomethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Chloromethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Methyl Iodide (Iodomethane)	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dibromomethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Chloroethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Vinyl chloride	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Acetonitrile	50		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Methylene chloride	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Carbon disulfide	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Bromoform	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Bromodichloromethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,1-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,1-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Trichlorofluoromethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dichlorodifluoromethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Isobutanol	25		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,2-Dichloropropane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	METHYL ETHYL KETONE (2-BUTANONE)	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,1,2-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Trichloroethene (TCE)	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,1,2,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Methyl methacrylate	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,2-Dibromo-3-chloropropane	2		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,2,3-Trichloropropane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Ethyl methacrylate	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Nitrophenol	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzyl alcohol	4.46		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosopiperidine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Bromophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4-Dimethylphenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosomethylethylamine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,4-Dichlorobenzene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Chloroaniline	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	p-Phenylenediamine	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,2'-Oxybis(1-Chloropropane)	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Phenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Pyridine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Bis(2-Chloroethyl) ether	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Bis(2-Chloroethoxy) methane	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	bis(2-ethylhexyl) phthalate	5.06		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Di-n-octylphthalate	1.09		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Hexachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	3,3'-Dimethylbenzidine	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Anthracene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Isosafrole	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Chlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,2,4,5-Tetrachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4,5-Trichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Acetophenone	0.67		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Nitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	3-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Sym-Trinitrobenzene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	5-Nitro-o-toluidine	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,3-Dinitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1260 (AROCLOR 1260)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1254 (AROCLOR 1254)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Total Organic Carbon	1.1		mg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Cyanide, Total	0.005		mg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Sulfide	0.5		mg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Diphenylamine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,4-Dioxane	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	O,O,O-TRIETHYL PHOSPHOROTHIOATE	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Pyrene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,4-Naphthoquinone	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dimethyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	3 & 4-METHYLPHENOL (M,P-CRESOL)	1.09		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dibenzofuran	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Aramite (Total)	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Kepone	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Hexachloropropene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzo(g,h,i)perylene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	INDENO(1,2,3-C,D)PYRENE	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzo(b)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Fluoranthene	2.5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzo(k)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Acenaphthylene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Chrysene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Pronamide	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PARATHION, METHYL	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Phorate	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Disulfoton	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Isodrin	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzo(a)pyrene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4-Dinitrophenol	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Chlorobenzilate	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Famphur	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dibenz(a,h)anthracene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Acetylaminofluorene	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4,6-Dinitro-2-methylphenol	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,3-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosodiethylamine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PARATHION, ETHYL (PARATHION)	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	3-Methylcholanthrene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzo(a)anthracene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Nitroquinoline-1-oxide	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	7,12-Dimethylbenz(a)anthracene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,3,4,6-Tetrachlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Chloro-3-methylphenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosomorpholine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	p-Dimethylaminoazobenzene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dimethoate	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,6-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Pentachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Phenacetin	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Ethyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Aniline	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosodimethylamine	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosodi-n-propylamine	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Methyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Hexachloroethane	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Hexachlorophene	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Chlorophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Pentochlorethane	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Hexachlorocyclopentadiene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Isophorone	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Pentachloronitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Acenaphthene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Diethyl phthalate	3.01		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Di-n-butyl phthalate	0.627		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Phenanthrene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Benzyl Butyl Phthalate	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosodiphenylamine	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Fluorene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,6-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Hexachlorobutadiene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Pentachlorophenol	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4,6-Trichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Nitrophenol	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dinoseb	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Naphthalene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Methylnaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Chloronaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Methapyrilene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	3,3'-Dichlorobenzidine	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4-Aminobiphenyl	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	N-Nitroso-di-n-butylamine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	n-Nitrosopyrrolidine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Safrole	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2-Methylphenol (o-Cresol)	0.23		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,2-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	o-Toluidine	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1		SUMMED PCB	2.25		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Mercury	0.04		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Lead	1.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Nickel	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Silver	0.6		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Thallium	1.4		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Tin	2.3		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Antimony	3.7		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Arsenic	2.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Barium	0.3		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Beryllium	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Cadmium	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	CHROMIUM, TOTAL	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Cobalt	0.5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Copper	1.2		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Vanadium	2.18		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Zinc	1,380		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Selenium	3.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Ethyl Benzene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Styrene	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	cis-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	trans-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1268 (AROCLOR 1268)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1221 (AROCLOR 1221)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1232 (AROCLOR 1232)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1248 (AROCLOR 1248)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1016 (AROCLOR 1016)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1262 (AROCLOR 1262)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	PCB-1242 (AROCLOR 1242)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	SILVEX (2,4,5-TP)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	2,4-D (DICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Heptachlor epoxide	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Endosulfan sulfate	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Aldrin	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	ALPHA BHC	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	BETA BHC	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	DELTA BHC	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Endosulfan II	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4,4'-DDT	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Chlordane	0.25		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	GAMMA BHC (LINDANE)	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dieldrin	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Endrin	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Methoxychlor	0.5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4,4'-DDD	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	4,4'-DDE	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Endrin aldehyde	0.1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Heptachlor	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Toxaphene	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Endosulfan I	0.05		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,2-Dibromoethane (EDB)	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Acrolein	25		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	1,2-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Propionitrile, Ethyl Cyanide	50		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Acrylonitrile	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Vinyl acetate	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Toluene	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Chlorobenzene	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	trans-1,4-Dichloro-2-butene	10		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Dibromochloromethane	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Methylacrylonitrile	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Tetrachloroethene (PCE)	1		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	Xylenes, Total	5		µg/L
MidBlind_EB-10-30-06-1	EB-10-30-06-1	10/30/2006	trans-1,2-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2		SUMMED PCB	2.25		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Mercury	0.04		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Lead	1.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Nickel	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Silver	0.6		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Thallium	1.54		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Tin	2.3		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Antimony	3.7		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Arsenic	4.25		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Barium	0.3		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Beryllium	0.15		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Cadmium	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	CHROMIUM, TOTAL	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Cobalt	0.68		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Copper	1.2		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Vanadium	1.84		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Zinc	67.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Selenium	3.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Ethyl Benzene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Styrene	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	cis-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	trans-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,2-Dibromoethane (EDB)	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Acrolein	25		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,2-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Propionitrile, Ethyl Cyanide	50		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Acrylonitrile	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Vinyl acetate	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Toluene	0.98		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Chlorobenzene	1		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	trans-1,4-Dichloro-2-butene	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dibromochloromethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Methylacrylonitrile	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Tetrachloroethene (PCE)	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Xylenes, Total	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	trans-1,2-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Carbon tetrachloride	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Hexanone	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,1,1,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Acetone	2.93		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Chloroform	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzene	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,1,1-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Bromomethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Chloromethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Methyl Iodide (Iodomethane)	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dibromomethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Chloroethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Vinyl chloride	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Acetonitrile	50		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Methylene chloride	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Carbon disulfide	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Bromoform	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Bromodichloromethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,1-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,1-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Trichlorofluoromethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dichlorodifluoromethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Isobutanol	25		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,2-Dichloropropane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	METHYL ETHYL KETONE (2-BUTANONE)	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,1,2-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Trichloroethene (TCE)	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Acenaphthene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Diethyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Di-n-butyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Phenanthrene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzyl Butyl Phthalate	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosodiphenylamine	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Fluorene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,6-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Hexachlorobutadiene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Pentachlorophenol	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4,6-Trichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Nitrophenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dinoseb	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Naphthalene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Methylnaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Chloronaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Methapyrilene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	3,3'-Dichlorobenzidine	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Aminobiphenyl	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	N-Nitroso-di-n-butylamine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosopyrrolidine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Safrole	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Methylphenol (o-Cresol)	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,2-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	o-Toluidine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Chlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,2,4,5-Tetrachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4,5-Trichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Acetophenone	0.366		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Nitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	3-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Sym-Trinitrobenzene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	5-Nitro-o-toluidine	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,3-Dinitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1260 (AROCLOR 1260)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1254 (AROCLOR 1254)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1268 (AROCLOR 1268)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1221 (AROCLOR 1221)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1232 (AROCLOR 1232)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1248 (AROCLOR 1248)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1016 (AROCLOR 1016)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1262 (AROCLOR 1262)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PCB-1242 (AROCLOR 1242)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	SILVEX (2,4,5-TP)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4-D (DICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Heptachlor epoxide	0.05		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Endosulfan sulfate	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Aldrin	0.05		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	ALPHA BHC	0.05		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	BETA BHC	0.05		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	DELTA BHC	0.05		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Endosulfan II	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4,4'-DDT	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Chlordane	0.25		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	GAMMA BHC (LINDANE)	0.05		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dieldrin	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Endrin	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Methoxychlor	0.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4,4'-DDD	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4,4'-DDE	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Endrin aldehyde	0.1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Heptachlor	0.05		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Toxaphene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Endosulfan I	0.05		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Total Organic Carbon	1		mg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Cyanide, Total	0.005		mg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Sulfide	0.5		mg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,1,2,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Methyl methacrylate	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,2-Dibromo-3-chloropropane	2		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,2,3-Trichloropropane	1		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Ethyl methacrylate	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Nitrophenol	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzyl alcohol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosopiperidine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Bromophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4-Dimethylphenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosomethylethylamine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,4-Dichlorobenzene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Chloroaniline	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	p-Phenylenediamine	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,2'-Oxybis(1-Chloropropane)	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Phenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Pyridine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Bis(2-Chloroethyl) ether	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Bis(2-Chloroethoxy) methane	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	bis(2-ethylhexyl) phthalate	2.87		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Di-n-octylphthalate	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Hexachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	3,3'-Dimethylbenzidine	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Anthracene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Isosafrole	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Diphenylamine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,4-Dioxane	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	O,O,O-TRIETHYL PHOSPHOROTHIOATE	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Pyrene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,4-Naphthoquinone	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dimethyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	3 & 4-METHYLPHENOL (M,P-CRESOL)	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dibenzofuran	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Aramite (Total)	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Kepone	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Hexachloropropene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzo(g,h,i)perylene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	INDENO(1,2,3-C,D)PYRENE	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzo(b)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzo(k)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Acenaphthylene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Chrysene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Pronamide	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PARATHION, METHYL	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Phorate	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Disulfoton	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Isodrin	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzo(a)pyrene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,4-Dinitrophenol	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Chlorobenzilate	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Famphur	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dibenz(a,h)anthracene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2-Acetylaminofluorene	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4,6-Dinitro-2-methylphenol	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	1,3-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosodiethylamine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	PARATHION, ETHYL (PARATHION)	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	3-Methylcholanthrene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Benzo(a)anthracene	2.5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Nitroquinoline-1-oxide	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	7,12-Dimethylbenz(a)anthracene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,3,4,6-Tetrachlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Chloro-3-methylphenol	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosomorpholine	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	p-Dimethylaminoazobenzene	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Dimethoate	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	2,6-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Pentachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Phenacetin	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Ethyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Aniline	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosodimethylamine	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	n-Nitrosodi-n-propylamine	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Methyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Hexachloroethane	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Hexachlorophene	10		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	4-Chlorophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Pentochlorethane	5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Hexachlorocyclopentadiene	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Isophorone	2.5		µg/L
MidBlind_EB-10-30-06-2	EB-10-30-06-2	10/30/2006	Pentachloronitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4-D (DICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Heptachlor epoxide	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Endosulfan sulfate	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Aldrin	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	ALPHA BHC	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	BETA BHC	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	DELTA BHC	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Endosulfan II	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4,4'-DDT	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Chlordane	0.25		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	GAMMA BHC (LINDANE)	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dieldrin	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Endrin	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Methoxychlor	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4,4'-DDD	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4,4'-DDE	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Endrin aldehyde	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Heptachlor	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Toxaphene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Endosulfan I	0.05		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Total Organic Carbon	1		mg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Cyanide, Total	0.005		mg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Sulfide	0.5		mg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Chrysene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Pronamide	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PARATHION, METHYL	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Phorate	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Disulfoton	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Isodrin	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzo(a)pyrene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4-Dinitrophenol	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Chlorobenzilate	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Famphur	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dibenz(a,h)anthracene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Acetylaminofluorene	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4,6-Dinitro-2-methylphenol	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,3-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosodiethylamine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PARATHION, ETHYL (PARATHION)	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	3-Methylcholanthrene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzo(a)anthracene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Nitroquinoline-1-oxide	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	7,12-Dimethylbenz(a)anthracene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,3,4,6-Tetrachlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Chloro-3-methylphenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosomorpholine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	p-Dimethylaminoazobenzene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dimethoate	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,6-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Pentachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Phenacetin	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Ethyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Aniline	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosodimethylamine	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosodi-n-propylamine	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Methyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Hexachloroethane	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Hexachlorophene	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Chlorophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Pentochlorethane	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Hexachlorocyclopentadiene	2.5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Isophorone	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Pentachloronitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Acenaphthene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Diethyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Di-n-butyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Phenanthrene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzyl Butyl Phthalate	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosodiphenylamine	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Fluorene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,6-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Hexachlorobutadiene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Pentachlorophenol	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4,6-Trichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Nitrophenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dinoseb	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Naphthalene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Methylnaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Chloronaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Methapyrilene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	3,3'-Dichlorobenzidine	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Aminobiphenyl	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	N-Nitroso-di-n-butylamine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosopyrrolidine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Safrole	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Methylphenol (o-Cresol)	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,2-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	o-Toluidine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Chlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,2,4,5-Tetrachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4,5-Trichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Acetophenone	0.361		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Nitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	3-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Sym-Trinitrobenzene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	5-Nitro-o-toluidine	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,3-Dinitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1260 (AROCLOR 1260)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1254 (AROCLOR 1254)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1268 (AROCLOR 1268)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1221 (AROCLOR 1221)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1232 (AROCLOR 1232)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1248 (AROCLOR 1248)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1016 (AROCLOR 1016)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1262 (AROCLOR 1262)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	PCB-1242 (AROCLOR 1242)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	SILVEX (2,4,5-TP)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Mercury	0.04		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Lead	1.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Nickel	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Silver	0.6		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Thallium	0.89		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Tin	2.3		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Antimony	3.7		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Arsenic	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Barium	0.3		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Beryllium	0.11		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Cadmium	0.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	CHROMIUM, TOTAL	0.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Cobalt	0.51		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Copper	1.2		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Vanadium	1.37		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Zinc	1.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Selenium	3.1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Ethyl Benzene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Styrene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	cis-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	trans-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,2-Dibromoethane (EDB)	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Acrolein	25		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,2-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Propionitrile, Ethyl Cyanide	50		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Acrylonitrile	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Vinyl acetate	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Toluene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Chlorobenzene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	trans-1,4-Dichloro-2-butene	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dibromochloromethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Methylacrylonitrile	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Tetrachloroethene (PCE)	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Xylenes, Total	5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	trans-1,2-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Carbon tetrachloride	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2-Hexanone	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,1,1,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Acetone	25		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Chloroform	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,1,1-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Bromomethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Chloromethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Methyl Iodide (Iodomethane)	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dibromomethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Chloroethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Vinyl chloride	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Acetonitrile	50		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Methylene chloride	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Carbon disulfide	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Bromoform	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Bromodichloromethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,1-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,1-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Trichlorofluoromethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dichlorodifluoromethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Isobutanol	25		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,2-Dichloropropane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	METHYL ETHYL KETONE (2-BUTANONE)	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,1,2-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Trichloroethene (TCE)	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,1,2,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Methyl methacrylate	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,2-Dibromo-3-chloropropane	2		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,2,3-Trichloropropane	1		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Ethyl methacrylate	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Nitrophenol	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzyl alcohol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosopiperidine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Bromophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4-Dimethylphenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	n-Nitrosomethylethylamine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,4-Dichlorobenzene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	4-Chloroaniline	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	p-Phenylenediamine	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,2'-Oxybis(1-Chloropropane)	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Phenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Pyridine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Bis(2-Chloroethyl) ether	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Bis(2-Chloroethoxy) methane	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	bis(2-ethylhexyl) phthalate	3.24		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Di-n-octylphthalate	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Hexachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	3,3'-Dimethylbenzidine	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Anthracene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Isosafrole	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	2,4-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Diphenylamine	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,4-Dioxane	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	O,O,O-TRIETHYL PHOSPHOROTHIOATE	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Pyrene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1,4-Naphthoquinone	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dimethyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	3 & 4-METHYLPHENOL (M,P-CRESOL)	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Dibenzofuran	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	1-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Aramite (Total)	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Kepone	10		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Hexachloropropene	5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzo(g,h,i)perylene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	INDENO(1,2,3-C,D)PYRENE	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzo(b)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Benzo(k)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3	10/30/2006	Acenaphthylene	2.5		µg/L
MidBlind_EB-10-30-06-3	EB-10-30-06-3		SUMMED PCB	2.25		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4		SUMMED PCB	2.25		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Di-n-butyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Phenanthrene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzyl Butyl Phthalate	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosodiphenylamine	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Fluorene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,6-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Hexachlorobutadiene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Pentachlorophenol	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4,6-Trichlorophenol	2.5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Nitrophenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dinoseb	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Naphthalene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Methylnaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Chloronaphthalene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Methapyrilene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	3,3'-Dichlorobenzidine	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Aminobiphenyl	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	N-Nitroso-di-n-butylamine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosopyrrolidine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Safrole	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Methylphenol (o-Cresol)	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,2-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	o-Toluidine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Chlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,2,4,5-Tetrachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4,5-Trichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Acetophenone	0.416		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Nitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	3-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Sym-Trinitrobenzene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	5-Nitro-o-toluidine	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,3-Dinitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1260 (AROCLOR 1260)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1254 (AROCLOR 1254)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1268 (AROCLOR 1268)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1221 (AROCLOR 1221)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1232 (AROCLOR 1232)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1248 (AROCLOR 1248)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1016 (AROCLOR 1016)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1262 (AROCLOR 1262)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PCB-1242 (AROCLOR 1242)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	SILVEX (2,4,5-TP)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4-D (DICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Heptachlor epoxide	0.05		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Endosulfan sulfate	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Aldrin	0.05		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	ALPHA BHC	0.05		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	BETA BHC	0.05		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	DELTA BHC	0.012		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Endosulfan II	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4,4'-DDT	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Chlordane	0.25		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	GAMMA BHC (LINDANE)	0.05		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dieldrin	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Endrin	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Methoxychlor	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4,4'-DDD	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4,4'-DDE	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Endrin aldehyde	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Heptachlor	0.05		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Toxaphene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Endosulfan I	0.05		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Total Organic Carbon	1		mg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Cyanide, Total	0.005		mg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Sulfide	0.5		mg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,2-Dibromo-3-chloropropane	2		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,2,3-Trichloropropane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Ethyl methacrylate	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Nitroaniline	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Nitrophenol	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzyl alcohol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosopiperidine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Bromophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4-Dimethylphenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosomethylethylamine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,4-Dichlorobenzene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Chloroaniline	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	p-Phenylenediamine	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,2'-Oxybis(1-Chloropropane)	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Phenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Pyridine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Bis(2-Chloroethyl) ether	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Bis(2-Chloroethoxy) methane	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	bis(2-ethylhexyl) phthalate	2.65		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Di-n-octylphthalate	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Hexachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	3,3'-Dimethylbenzidine	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Anthracene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Isosafrole	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4-Dichlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	10		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Diphenylamine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,4-Dioxane	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	O,O,O-TRIETHYL PHOSPHOROTHIOATE	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Pyrene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,4-Naphthoquinone	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dimethyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	3 & 4-METHYLPHENOL (M,P-CRESOL)	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dibenzofuran	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1-Naphthylamine	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Aramite (Total)	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Kepone	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Hexachloropropene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzo(g,h,i)perylene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	INDENO(1,2,3-C,D)PYRENE	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzo(b)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzo(k)fluoranthene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Acenaphthylene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Chrysene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Pronamide	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PARATHION, METHYL	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Phorate	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Disulfoton	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Isodrin	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzo(a)pyrene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,4-Dinitrophenol	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Chlorobenzilate	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Famphur	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dibenz(a,h)anthracene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Acetylaminofluorene	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4,6-Dinitro-2-methylphenol	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,3-Dichlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosodiethylamine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	PARATHION, ETHYL (PARATHION)	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	3-Methylcholanthrene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzo(a)anthracene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Nitroquinoline-1-oxide	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	7,12-Dimethylbenz(a)anthracene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,3,4,6-Tetrachlorophenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Chloro-3-methylphenol	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosomorpholine	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	p-Dimethylaminoazobenzene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dimethoate	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2,6-Dinitrotoluene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Pentachlorobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Phenacetin	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Ethyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Aniline	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosodimethylamine	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	n-Nitrosodi-n-propylamine	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Methyl methanesulfonate	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Hexachloroethane	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Hexachlorophene	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	4-Chlorophenyl phenyl ether	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Pentochlorethane	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Hexachlorocyclopentadiene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Isophorone	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Pentachloronitrobenzene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Acenaphthene	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Diethyl phthalate	2.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Mercury	0.04		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Lead	1.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Nickel	0.51		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Silver	0.6		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Thallium	0.89		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Tin	2.3		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Antimony	3.7		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Arsenic	3.23		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Barium	0.3		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Beryllium	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Cadmium	0.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	CHROMIUM, TOTAL	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Cobalt	0.5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Copper	1.2		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Vanadium	0.7		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Zinc	1.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Selenium	3.1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Ethyl Benzene	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Styrene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	cis-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	trans-1,3-Dichloropropene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,2-Dibromoethane (EDB)	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Acrolein	25		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,2-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Propionitrile, Ethyl Cyanide	50		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Acrylonitrile	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Vinyl acetate	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Toluene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Chlorobenzene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	trans-1,4-Dichloro-2-butene	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dibromochloromethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Methylacrylonitrile	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Tetrachloroethene (PCE)	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Xylenes, Total	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	trans-1,2-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Carbon tetrachloride	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	2-Hexanone	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,1,1,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Acetone	2.72		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Chloroform	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Benzene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,1,1-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Bromomethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Chloromethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Methyl Iodide (Iodomethane)	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dibromomethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Chloroethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Vinyl chloride	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Acetonitrile	50		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Methylene chloride	5		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Carbon disulfide	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Bromoform	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Bromodichloromethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,1-Dichloroethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,1-Dichloroethene	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Trichlorofluoromethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Dichlorodifluoromethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Isobutanol	25		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,2-Dichloropropane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	METHYL ETHYL KETONE (2-BUTANONE)	10		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,1,2-Trichloroethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Trichloroethene (TCE)	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	1,1,2,2-Tetrachloroethane	1		µg/L
MidBlind_EB-10-30-06-4	EB-10-30-06-4	10/30/2006	Methyl methacrylate	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Mercury	0.09048		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Lead	1.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Nickel	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Silver	0.6		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Thallium	1.4		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Tin	2.3		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Antimony	3.7		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Arsenic	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Barium	0.3		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Beryllium	0.12		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Cadmium	0.34		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	CHROMIUM, TOTAL	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Cobalt	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Copper	1.2		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Vanadium	0.7		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Zinc	5.53		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Selenium	3.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Ethyl Benzene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Styrene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	cis-1,3-Dichloropropene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	trans-1,3-Dichloropropene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,2-Dibromoethane (EDB)	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Acrolein	25		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,2-Dichloroethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Propionitrile, Ethyl Cyanide	50		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Acrylonitrile	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Vinyl acetate	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Toluene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Chlorobenzene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	trans-1,4-Dichloro-2-butene	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dibromochloromethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Methylacrylonitrile	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Tetrachloroethene (PCE)	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Xylenes, Total	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	trans-1,2-Dichloroethene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Carbon tetrachloride	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Hexanone	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,1,1,2-Tetrachloroethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Acetone	25		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Chloroform	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,1,1-Trichloroethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Bromomethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Chloromethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Methyl Iodide (Iodomethane)	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dibromomethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Chloroethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Vinyl chloride	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Acetonitrile	50		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Methylene chloride	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Carbon disulfide	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Bromoform	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Bromodichloromethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,1-Dichloroethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,1-Dichloroethene	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Trichlorofluoromethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dichlorodifluoromethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Isobutanol	25		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,2-Dichloropropane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	METHYL ETHYL KETONE (2-BUTANONE)	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,1,2-Trichloroethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Trichloroethene (TCE)	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,1,2,2-Tetrachloroethane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Methyl methacrylate	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,2-Dibromo-3-chloropropane	2		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,2,3-Trichloropropane	1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Ethyl methacrylate	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Nitrophenol	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzyl alcohol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosopiperidine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Bromophenyl phenyl ether	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4-Dimethylphenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosomethylethylamine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,4-Dichlorobenzene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Chloroaniline	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	p-Phenylenediamine	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,2'-Oxybis(1-Chloropropane)	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Phenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Pyridine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Bis(2-Chloroethyl) ether	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Bis(2-Chloroethoxy) methane	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	bis(2-ethylhexyl) phthalate	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Di-n-octylphthalate	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Hexachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	3,3'-Dimethylbenzidine	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Anthracene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Isosafrole	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4-Dichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4-Dinitrotoluene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Acetophenone	0.216		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Nitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	3-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Sym-Trinitrobenzene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	5-Nitro-o-toluidine	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,3-Dinitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1260 (AROCLOR 1260)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1254 (AROCLOR 1254)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1268 (AROCLOR 1268)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1221 (AROCLOR 1221)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1232 (AROCLOR 1232)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1248 (AROCLOR 1248)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1016 (AROCLOR 1016)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1262 (AROCLOR 1262)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PCB-1242 (AROCLOR 1242)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	SILVEX (2,4,5-TP)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4-D (DICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Heptachlor epoxide	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Endosulfan sulfate	0.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Aldrin	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	ALPHA BHC	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	BETA BHC	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	DELTA BHC	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Endosulfan II	0.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4,4'-DDT	0.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Chlordane	0.25		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	GAMMA BHC (LINDANE)	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dieldrin	0.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Endrin	0.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Methoxychlor	0.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4,4'-DDD	0.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4,4'-DDE	0.1		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Endrin aldehyde	0.1		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Heptachlor	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Toxaphene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Endosulfan I	0.05		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Total Organic Carbon	1		mg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Cyanide, Total	0.001		mg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Sulfide	0.5		mg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1		SUMMED PCB	2.25		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Diphenylamine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,4-Dioxane	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	O,O,O-TRIETHYL PHOSPHOROTHIOATE	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Pyrene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,4-Naphthoquinone	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dimethyl phthalate	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	3 & 4-METHYLPHENOL (M,P-CRESOL)	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dibenzofuran	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1-Naphthylamine	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Aramite (Total)	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Kepone	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Hexachloropropene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzo(g,h,i)perylene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	INDENO(1,2,3-C,D)PYRENE	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzo(b)fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzo(k)fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Acenaphthylene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Chrysene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Pronamide	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PARATHION, METHYL	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Phorate	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Disulfoton	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Isodrin	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzo(a)pyrene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4-Dinitrophenol	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Chlorobenzilate	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Famphur	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dibenz(a,h)anthracene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Acetylaminofluorene	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4,6-Dinitro-2-methylphenol	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,3-Dichlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosodiethylamine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	PARATHION, ETHYL (PARATHION)	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	3-Methylcholanthrene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzo(a)anthracene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Nitroquinoline-1-oxide	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	7,12-Dimethylbenz(a)anthracene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,3,4,6-Tetrachlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Chloro-3-methylphenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosomorpholine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	p-Dimethylaminoazobenzene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dimethoate	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,6-Dinitrotoluene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Pentachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Phenacetin	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Ethyl methanesulfonate	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Aniline	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosodimethylamine	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosodi-n-propylamine	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Methyl methanesulfonate	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Hexachloroethane	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Hexachlorophene	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Chlorophenyl phenyl ether	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Pentochlorethane	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Hexachlorocyclopentadiene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Isophorone	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Pentachloronitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Acenaphthene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Diethyl phthalate	0.157		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Di-n-butyl phthalate	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Phenanthrene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Benzyl Butyl Phthalate	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosodiphenylamine	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Fluorene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,6-Dichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Hexachlorobutadiene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Pentachlorophenol	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4,6-Trichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Nitrophenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Dinoseb	10		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Naphthalene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Methylnaphthalene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Chloronaphthalene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Naphthylamine	10		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Methapyrilene	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	3,3'-Dichlorobenzidine	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	4-Aminobiphenyl	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	N-Nitroso-di-n-butylamine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	n-Nitrosopyrrolidine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	Safrole	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Methylphenol (o-Cresol)	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,2-Dichlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	o-Toluidine	5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2-Chlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	1,2,4,5-Tetrachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-1	EB-11-13-06-1	11/13/2006	2,4,5-Trichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,1,1,2-Tetrachloroethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Acetone	25		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Chloroform	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzene	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,1,1-Trichloroethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Bromomethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Chloromethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Methyl Iodide (Iodomethane)	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dibromomethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Chloroethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Vinyl chloride	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Acetonitrile	50		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Methylene chloride	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Carbon disulfide	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Bromoform	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Bromodichloromethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,1-Dichloroethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,1-Dichloroethene	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Trichlorofluoromethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dichlorodifluoromethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Isobutanol	25		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,2-Dichloropropane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	METHYL ETHYL KETONE (2-BUTANONE)	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,1,2-Trichloroethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Trichloroethene (TCE)	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,1,2,2-Tetrachloroethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Methyl methacrylate	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,2-Dibromo-3-chloropropane	2		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,2,3-Trichloropropane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Ethyl methacrylate	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Nitrophenol	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzyl alcohol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosopiperidine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Bromophenyl phenyl ether	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4-Dimethylphenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosomethylethylamine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,4-Dichlorobenzene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Chloroaniline	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	p-Phenylenediamine	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,2'-Oxybis(1-Chloropropane)	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Phenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Pyridine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Bis(2-Chloroethyl) ether	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Bis(2-Chloroethoxy) methane	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	bis(2-ethylhexyl) phthalate	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Di-n-octylphthalate	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Hexachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	3,3'-Dimethylbenzidine	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Anthracene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Isosafrole	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4-Dichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4-Dinitrotoluene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Diphenylamine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,4-Dioxane	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	O,O,O-TRIETHYL PHOSPHOROTHIOATE	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Pyrene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,4-Naphthoquinone	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dimethyl phthalate	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	3 & 4-METHYLPHENOL (M,P-CRESOL)	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dibenzofuran	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1-Naphthylamine	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Aramite (Total)	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Kepone	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Hexachloropropene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzo(g,h,i)perylene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	INDENO(1,2,3-C,D)PYRENE	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzo(b)fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzo(k)fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Acenaphthylene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Chrysene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	10		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Pronamide	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PARATHION, METHYL	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Phorate	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Disulfoton	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Isodrin	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzo(a)pyrene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4-Dinitrophenol	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Chlorobenzilate	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Famphur	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dibenz(a,h)anthracene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Acetylaminofluorene	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4,6-Dinitro-2-methylphenol	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,3-Dichlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosodiethylamine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2		SUMMED PCB	2.25		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Total Organic Carbon	1		mg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Cyanide, Total	0.005		mg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Sulfide	0.5		mg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PARATHION, ETHYL (PARATHION)	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	3-Methylcholanthrene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzo(a)anthracene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Nitroquinoline-1-oxide	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	7,12-Dimethylbenz(a)anthracene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,3,4,6-Tetrachlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Chloro-3-methylphenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosomorpholine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	p-Dimethylaminoazobenzene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dimethoate	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,6-Dinitrotoluene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Pentachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Phenacetin	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Ethyl methanesulfonate	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Aniline	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosodimethylamine	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosodi-n-propylamine	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Methyl methanesulfonate	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Hexachloroethane	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Hexachlorophene	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Chlorophenyl phenyl ether	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Pentochlorethane	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Hexachlorocyclopentadiene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Isophorone	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Pentachloronitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Acenaphthene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Diethyl phthalate	0.153		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Di-n-butyl phthalate	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Phenanthrene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Benzyl Butyl Phthalate	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosodiphenylamine	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Fluorene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,6-Dichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Hexachlorobutadiene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Pentachlorophenol	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4,6-Trichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Nitrophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dinoseb	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Naphthalene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Methylnaphthalene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Chloronaphthalene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Naphthylamine	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Methapyrilene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	3,3'-Dichlorobenzidine	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4-Aminobiphenyl	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	N-Nitroso-di-n-butylamine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	n-Nitrosopyrrolidine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Safrole	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Methylphenol (o-Cresol)	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,2-Dichlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	o-Toluidine	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Chlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,2,4,5-Tetrachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4,5-Trichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Acetophenone	0.274		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Nitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	3-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Sym-Trinitrobenzene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	5-Nitro-o-toluidine	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,3-Dinitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1260 (AROCLOR 1260)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1254 (AROCLOR 1254)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1268 (AROCLOR 1268)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1221 (AROCLOR 1221)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1232 (AROCLOR 1232)	0.5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1248 (AROCLOR 1248)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1016 (AROCLOR 1016)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1262 (AROCLOR 1262)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	PCB-1242 (AROCLOR 1242)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	SILVEX (2,4,5-TP)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2,4-D (DICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Heptachlor epoxide	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Endosulfan sulfate	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Aldrin	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	ALPHA BHC	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	BETA BHC	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	DELTA BHC	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Endosulfan II	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4,4'-DDT	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Chlordane	0.25		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	GAMMA BHC (LINDANE)	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dieldrin	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Endrin	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Methoxychlor	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4,4'-DDD	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	4,4'-DDE	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Endrin aldehyde	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Heptachlor	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Toxaphene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Endosulfan I	0.05		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Mercury	0.04		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Lead	1.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Nickel	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Silver	0.6		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Thallium	0.89		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Tin	2.3		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Antimony	3.7		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Arsenic	2.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Barium	0.3		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Beryllium	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Cadmium	0.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	CHROMIUM, TOTAL	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Cobalt	0.5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Copper	1.2		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Vanadium	1.42		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Zinc	5.08		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Selenium	3.1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Ethyl Benzene	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Styrene	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	cis-1,3-Dichloropropene	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	trans-1,3-Dichloropropene	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,2-Dibromoethane (EDB)	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Acrolein	25		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	1,2-Dichloroethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Propionitrile, Ethyl Cyanide	50		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Acrylonitrile	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Vinyl acetate	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Toluene	1.3		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Chlorobenzene	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	trans-1,4-Dichloro-2-butene	10		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Dibromochloromethane	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Methylacrylonitrile	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Tetrachloroethene (PCE)	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Xylenes, Total	5		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	trans-1,2-Dichloroethene	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	Carbon tetrachloride	1		µg/L
MidBlind_EB-11-13-06-2	EB-11-13-06-2	11/13/2006	2-Hexanone	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4,4'-DDD	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4,4'-DDE	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Endrin aldehyde	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Heptachlor	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Toxaphene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Endosulfan I	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Total Organic Carbon	1		mg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Cyanide, Total	0.005		mg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Sulfide	0.5		mg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Mercury	0.04		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Lead	1.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Nickel	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Silver	0.6		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Thallium	0.89		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Tin	2.3		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Antimony	3.7		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Arsenic	2.88		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Barium	0.3		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Beryllium	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Cadmium	0.1		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	CHROMIUM, TOTAL	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Cobalt	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Copper	1.2		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Vanadium	1.43		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Zinc	313		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Selenium	3.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Ethyl Benzene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Styrene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	cis-1,3-Dichloropropene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	trans-1,3-Dichloropropene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,2-Dibromoethane (EDB)	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Acrolein	25		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,2-Dichloroethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Propionitrile, Ethyl Cyanide	50		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Acrylonitrile	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Vinyl acetate	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Toluene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Chlorobenzene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	trans-1,4-Dichloro-2-butene	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dibromochloromethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Methylacrylonitrile	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Tetrachloroethene (PCE)	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Xylenes, Total	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	trans-1,2-Dichloroethene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Carbon tetrachloride	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Hexanone	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,1,1,2-Tetrachloroethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Acetone	25		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Chloroform	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,1,1-Trichloroethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Bromomethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Chloromethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Methyl Iodide (Iodomethane)	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dibromomethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Chloroethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Vinyl chloride	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Acetonitrile	50		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Methylene chloride	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Carbon disulfide	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Bromoform	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Bromodichloromethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,1-Dichloroethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,1-Dichloroethene	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Trichlorofluoromethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dichlorodifluoromethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Isobutanol	25		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,2-Dichloropropane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	METHYL ETHYL KETONE (2-BUTANONE)	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,1,2-Trichloroethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Trichloroethene (TCE)	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,1,2,2-Tetrachloroethane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Methyl methacrylate	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,2-Dibromo-3-chloropropane	2		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,2,3-Trichloropropane	1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Ethyl methacrylate	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Nitrophenol	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzyl alcohol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosopiperidine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Bromophenyl phenyl ether	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4-Dimethylphenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosomethylethylamine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,4-Dichlorobenzene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Chloroaniline	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	p-Phenylenediamine	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,2'-Oxybis(1-Chloropropane)	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Phenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Pyridine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Bis(2-Chloroethyl) ether	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Bis(2-Chloroethoxy) methane	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	bis(2-ethylhexyl) phthalate	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Di-n-octylphthalate	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Hexachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	3,3'-Dimethylbenzidine	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Anthracene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Isosafrole	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4-Dichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4-Dinitrotoluene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Diphenylamine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,4-Dioxane	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	O,O,O-TRIETHYL PHOSPHOROTHIOATE	10		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Pyrene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,4-Naphthoquinone	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dimethyl phthalate	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	3 & 4-METHYLPHENOL (M,P-CRESOL)	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dibenzofuran	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1-Naphthylamine	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Aramite (Total)	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Kepone	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3		SUMMED PCB	2.25		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Hexachloropropene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzo(g,h,i)perylene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	INDENO(1,2,3-C,D)PYRENE	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzo(b)fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzo(k)fluoranthene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Acenaphthylene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Chrysene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Pronamide	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PARATHION, METHYL	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Phorate	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Disulfoton	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Isodrin	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzo(a)pyrene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4-Dinitrophenol	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Chlorobenzilate	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Famphur	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dibenz(a,h)anthracene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Acetylaminofluorene	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4,6-Dinitro-2-methylphenol	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,3-Dichlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosodiethylamine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PARATHION, ETHYL (PARATHION)	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	3-Methylcholanthrene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzo(a)anthracene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Nitroquinoline-1-oxide	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	7,12-Dimethylbenz(a)anthracene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,3,4,6-Tetrachlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Chloro-3-methylphenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosomorpholine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	p-Dimethylaminoazobenzene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dimethoate	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,6-Dinitrotoluene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Pentachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Phenacetin	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Ethyl methanesulfonate	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Aniline	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosodimethylamine	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosodi-n-propylamine	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Methyl methanesulfonate	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Hexachloroethane	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Hexachlorophene	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Chlorophenyl phenyl ether	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Pentochlorethane	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Hexachlorocyclopentadiene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Isophorone	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Pentachloronitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Acenaphthene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Diethyl phthalate	0.163		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Di-n-butyl phthalate	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Phenanthrene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Benzyl Butyl Phthalate	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosodiphenylamine	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Fluorene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,6-Dichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Hexachlorobutadiene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Pentachlorophenol	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4,6-Trichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Nitrophenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dinoseb	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Naphthalene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Methylnaphthalene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Chloronaphthalene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Naphthylamine	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Methapyrilene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	3,3'-Dichlorobenzidine	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4-Aminobiphenyl	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	N-Nitroso-di-n-butylamine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	n-Nitrosopyrrolidine	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Safrole	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Methylphenol (o-Cresol)	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,2-Dichlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	o-Toluidine	5		µg/L

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2-Chlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,2,4,5-Tetrachlorobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4,5-Trichlorophenol	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Acetophenone	0.449		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Nitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	3-Nitroaniline	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Sym-Trinitrobenzene	5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	5-Nitro-o-toluidine	10		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	1,3-Dinitrobenzene	2.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1260 (AROCLOR 1260)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1254 (AROCLOR 1254)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1268 (AROCLOR 1268)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1221 (AROCLOR 1221)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1232 (AROCLOR 1232)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1248 (AROCLOR 1248)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1016 (AROCLOR 1016)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1262 (AROCLOR 1262)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	PCB-1242 (AROCLOR 1242)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	SILVEX (2,4,5-TP)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	2,4-D (DICHLOROPHENOXYACETIC ACID)	0.5		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Heptachlor epoxide	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Endosulfan sulfate	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Aldrin	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	ALPHA BHC	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	BETA BHC	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	DELTA BHC	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Endosulfan II	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	4,4'-DDT	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Chlordane	0.25		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	GAMMA BHC (LINDANE)	0.05		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Dieldrin	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Endrin	0.1		µg/L
MidBlind_EB-11-13-06-3	EB-11-13-06-3	11/13/2006	Methoxychlor	0.5		µg/L
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Bromoform	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Bromodichloromethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,1-Dichloroethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,1-Dichloroethene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Trichlorofluoromethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Dichlorodifluoromethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Isobutanol	58,100		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,2-Dichloropropane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	METHYL ETHYL KETONE (2-BUTANONE)	2,910		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,1,2-Trichloroethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Trichloroethene (TCE)	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,1,2,2-Tetrachloroethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Methyl methacrylate	1,160		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,2-Dibromo-3-chloropropane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,2,3-Trichloropropane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Ethyl methacrylate	1,160		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Ethyl Benzene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Styrene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	cis-1,3-Dichloropropene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	trans-1,3-Dichloropropene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,2-Dibromoethane (EDB)	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Acrolein	5,810		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	1,160		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,2-Dichloroethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Propionitrile, Ethyl Cyanide	11,600		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Acrylonitrile	5,810		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Vinyl acetate	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1,160		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Toluene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Chlorobenzene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	trans-1,4-Dichloro-2-butene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Dibromochloromethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Methylacrylonitrile	2,910		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5,810		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Tetrachloroethene (PCE)	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Xylenes, Total	1,740		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	trans-1,2-Dichloroethene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Carbon tetrachloride	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	2-Hexanone	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,1,1,2-Tetrachloroethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Acetone	1,460		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Chloroform	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Benzene	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	1,1,1-Trichloroethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Bromomethane	1,130		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Chloromethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Methyl Iodide (Iodomethane)	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Dibromomethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Chloroethane	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Vinyl chloride	581		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Acetonitrile	11,600		µg/kg
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Methylene chloride	2,910		µg/kg

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_TB-10-30-06-1	TB-10-30-06-1	11/3/2006	Carbon disulfide	581		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Ethyl Benzene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Styrene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	cis-1,3-Dichloropropene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	trans-1,3-Dichloropropene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,2-Dibromoethane (EDB)	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Acrolein	5,210		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	1,040		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,2-Dichloroethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Propionitrile, Ethyl Cyanide	10,400		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Acrylonitrile	5,210		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Vinyl acetate	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	1,040		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Toluene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Chlorobenzene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	trans-1,4-Dichloro-2-butene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Dibromochloromethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Methylacrylonitrile	2,600		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	5,210		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Tetrachloroethene (PCE)	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Xylenes, Total	1,560		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	trans-1,2-Dichloroethene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Carbon tetrachloride	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	2-Hexanone	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,1,1,2-Tetrachloroethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Acetone	1,360		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Chloroform	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Benzene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,1,1-Trichloroethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Bromomethane	1,260		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Chloromethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Methyl Iodide (Iodomethane)	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Dibromomethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Chloroethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Vinyl chloride	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Acetonitrile	10,400		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Methylene chloride	2,600		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Carbon disulfide	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Bromoform	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Bromodichloromethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,1-Dichloroethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,1-Dichloroethene	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Trichlorofluoromethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Dichlorodifluoromethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Isobutanol	52,100		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,2-Dichloropropane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	METHYL ETHYL KETONE (2-BUTANONE)	2,600		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,1,2-Trichloroethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Trichloroethene (TCE)	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,1,2,2-Tetrachloroethane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Methyl methacrylate	1,040		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,2-Dibromo-3-chloropropane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	1,2,3-Trichloropropane	521		µg/kg
MidBlind_TB-10-30-06-2	TB-10-30-06-2	11/3/2006	Ethyl methacrylate	1,040		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Ethyl Benzene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Styrene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	cis-1,3-Dichloropropene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	trans-1,3-Dichloropropene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,2-Dibromoethane (EDB)	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Acrolein	2,620		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	524		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,2-Dichloroethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Propionitrile, Ethyl Cyanide	5,240		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Acrylonitrile	2,620		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Vinyl acetate	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	524		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Toluene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Chlorobenzene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	trans-1,4-Dichloro-2-butene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Dibromochloromethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Methylacrylonitrile	1,310		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	2,620		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Tetrachloroethene (PCE)	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Xylenes, Total	785		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	trans-1,2-Dichloroethene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Carbon tetrachloride	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	2-Hexanone	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,1,1,2-Tetrachloroethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Acetone	3,050		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Chloroform	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Benzene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,1,1-Trichloroethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Bromomethane	524		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Chloromethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Methyl Iodide (Iodomethane)	906		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Dibromomethane	262		µg/kg

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Chloroethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Vinyl chloride	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Acetonitrile	5,240		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Methylene chloride	1,310		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Carbon disulfide	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Bromoform	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Bromodichloromethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,1-Dichloroethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,1-Dichloroethene	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Trichlorofluoromethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Dichlorodifluoromethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Isobutanol	26,200		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,2-Dichloropropane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	METHYL ETHYL KETONE (2-BUTANONE)	1,310		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,1,2-Trichloroethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Trichloroethene (TCE)	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,1,2,2-Tetrachloroethane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Methyl methacrylate	524		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,2-Dibromo-3-chloropropane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	1,2,3-Trichloropropane	262		µg/kg
MidBlind_TB-10-30-06-3	TB-10-30-06-3	11/3/2006	Ethyl methacrylate	524		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Ethyl Benzene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Styrene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	cis-1,3-Dichloropropene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	trans-1,3-Dichloropropene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,2-Dibromoethane (EDB)	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Acrolein	1,880		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	376		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,2-Dichloroethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Propionitrile, Ethyl Cyanide	3,760		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Acrylonitrile	1,880		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Vinyl acetate	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	376		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Toluene	960		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Chlorobenzene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	trans-1,4-Dichloro-2-butene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Dibromochloromethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Methylacrylonitrile	940		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	1,880		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Tetrachloroethene (PCE)	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Xylenes, Total	564		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	trans-1,2-Dichloroethene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Carbon tetrachloride	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	2-Hexanone	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,1,1,2-Tetrachloroethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Acetone	4,320		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Chloroform	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Benzene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,1,1-Trichloroethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Bromomethane	376		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Chloromethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Methyl Iodide (Iodomethane)	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Dibromomethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Chloroethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Vinyl chloride	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Acetonitrile	3,760		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Methylene chloride	940		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Carbon disulfide	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Bromoform	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Bromodichloromethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,1-Dichloroethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,1-Dichloroethene	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Trichlorofluoromethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Dichlorodifluoromethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Isobutanol	18,800		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,2-Dichloropropane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	METHYL ETHYL KETONE (2-BUTANONE)	940		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,1,2-Trichloroethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Trichloroethene (TCE)	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,1,2,2-Tetrachloroethane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Methyl methacrylate	940		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,2-Dibromo-3-chloropropane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	1,2,3-Trichloropropane	188		µg/kg
MidBlind_TB-10-30-06-4	TB-10-30-06-4	11/3/2006	Ethyl methacrylate	376		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Ethyl Benzene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Styrene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	cis-1,3-Dichloropropene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	trans-1,3-Dichloropropene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,2-Dibromoethane (EDB)	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Acrolein	500		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	100		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,2-Dichloroethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Propionitrile, Ethyl Cyanide	1,000		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Acrylonitrile	500		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Vinyl acetate	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	100		µg/kg

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Toluene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Chlorobenzene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	trans-1,4-Dichloro-2-butene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Dibromochloromethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Methylacrylonitrile	250		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	500		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Tetrachloroethene (PCE)	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Xylenes, Total	150		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	trans-1,2-Dichloroethene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Carbon tetrachloride	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	2-Hexanone	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,1,1,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Acetone	689		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Chloroform	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Benzene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,1,1-Trichloroethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Bromomethane	100		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Chloromethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Methyl Iodide (Iodomethane)	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Dibromomethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Chloroethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Vinyl chloride	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Acetonitrile	1,000		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Methylene chloride	250		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Carbon disulfide	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Bromoform	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Bromodichloromethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,1-Dichloroethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,1-Dichloroethene	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Trichlorofluoromethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Dichlorodifluoromethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Isobutanol	5,000		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,2-Dichloropropane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	METHYL ETHYL KETONE (2-BUTANONE)	250		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,1,2-Trichloroethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Trichloroethene (TCE)	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,1,2,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Methyl methacrylate	100		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,2-Dibromo-3-chloropropane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	1,2,3-Trichloropropane	50		µg/kg
MidBlind_TB-10-30-06-5	TB-10-30-06-5	11/4/2006	Ethyl methacrylate	100		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Ethyl Benzene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Styrene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	cis-1,3-Dichloropropene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	trans-1,3-Dichloropropene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,2-Dibromoethane (EDB)	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Acrolein	500		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	100		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,2-Dichloroethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Propionitrile, Ethyl Cyanide	1,000		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Acrylonitrile	500		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Vinyl acetate	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	100		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Toluene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Chlorobenzene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	trans-1,4-Dichloro-2-butene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Dibromochloromethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Methylacrylonitrile	250		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	500		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Tetrachloroethene (PCE)	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Xylenes, Total	150		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	trans-1,2-Dichloroethene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Carbon tetrachloride	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	2-Hexanone	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,1,1,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Acetone	1,000		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Chloroform	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Benzene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,1,1-Trichloroethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Bromomethane	100		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Chloromethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Methyl Iodide (Iodomethane)	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Dibromomethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Chloroethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Vinyl chloride	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Acetonitrile	1,000		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Methylene chloride	174		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Carbon disulfide	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Bromoform	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Bromodichloromethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,1-Dichloroethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,1-Dichloroethene	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Trichlorofluoromethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Dichlorodifluoromethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Isobutanol	5,000		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,2-Dichloropropane	50		µg/kg

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	METHYL ETHYL KETONE (2-BUTANONE)	250		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,1,2-Trichloroethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Trichloroethene (TCE)	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,1,2,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Methyl methacrylate	100		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,2-Dibromo-3-chloropropane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	1,2,3-Trichloropropane	50		µg/kg
MidBlind_TB-11-13-06-1	TB-11-13-06-1	11/17/2006	Ethyl methacrylate	100		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Ethyl Benzene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Styrene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	cis-1,3-Dichloropropene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	trans-1,3-Dichloropropene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,2-Dibromoethane (EDB)	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Acrolein	500		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	100		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,2-Dichloroethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Propionitrile, Ethyl Cyanide	1,000		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Acrylonitrile	500		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Vinyl acetate	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	100		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Toluene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Chlorobenzene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	trans-1,4-Dichloro-2-butene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Dibromochloromethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Methylacrylonitrile	250		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	500		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Tetrachloroethene (PCE)	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Xylenes, Total	150		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	trans-1,2-Dichloroethene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Carbon tetrachloride	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	2-Hexanone	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,1,1,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Acetone	328		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Chloroform	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Benzene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,1,1-Trichloroethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Bromomethane	100		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Chloromethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Methyl Iodide (Iodomethane)	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Dibromomethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Chloroethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Vinyl chloride	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Acetonitrile	1,000		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Methylene chloride	90.9		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Carbon disulfide	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Bromoform	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Bromodichloromethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,1-Dichloroethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,1-Dichloroethene	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Trichlorofluoromethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Dichlorodifluoromethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Isobutanol	5,000		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,2-Dichloropropane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	METHYL ETHYL KETONE (2-BUTANONE)	250		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,1,2-Trichloroethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Trichloroethene (TCE)	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,1,2,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Methyl methacrylate	100		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,2-Dibromo-3-chloropropane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	1,2,3-Trichloropropane	50		µg/kg
MidBlind_TB-11-13-06-2	TB-11-13-06-2	11/17/2006	Ethyl methacrylate	100		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Dibromomethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Chloroethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Vinyl chloride	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Acetonitrile	1,000		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Methylene chloride	88.4		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Carbon disulfide	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Bromoform	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Bromodichloromethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,1-Dichloroethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,1-Dichloroethene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Trichlorofluoromethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Dichlorodifluoromethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Isobutanol	5,000		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,2-Dichloropropane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	METHYL ETHYL KETONE (2-BUTANONE)	250		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,1,2-Trichloroethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Trichloroethene (TCE)	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,1,2,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Methyl methacrylate	100		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,2-Dibromo-3-chloropropane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,2,3-Trichloropropane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Ethyl methacrylate	100		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Ethyl Benzene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Styrene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	cis-1,3-Dichloropropene	50		µg/kg

TABLE B-3
Additional Chemicals - Equipment Blank and Trip Blank Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Location ID	Field Sample ID	Date Sampled	Parameter Name	Report Result	Validation Qualifier	Report Units
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	trans-1,3-Dichloropropene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,2-Dibromoethane (EDB)	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Acrolein	500		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	ALLYL CHLORIDE (3-CHLOROPROPENE)	100		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,2-Dichloroethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Propionitrile, Ethyl Cyanide	1,000		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Acrylonitrile	500		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Vinyl acetate	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	100		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Toluene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Chlorobenzene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	trans-1,4-Dichloro-2-butene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Dibromochloromethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Methylacrylonitrile	250		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	500		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Tetrachloroethene (PCE)	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Xylenes, Total	150		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	trans-1,2-Dichloroethene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Carbon tetrachloride	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	2-Hexanone	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,1,1,2-Tetrachloroethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Acetone	1,000		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Chloroform	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Benzene	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	1,1,1-Trichloroethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Bromomethane	100		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Chloromethane	50		µg/kg
MidBlind_TB-11-13-06-3	TB-11-13-06-3	11/17/2006	Methyl Iodide (Iodomethane)	50		µg/kg

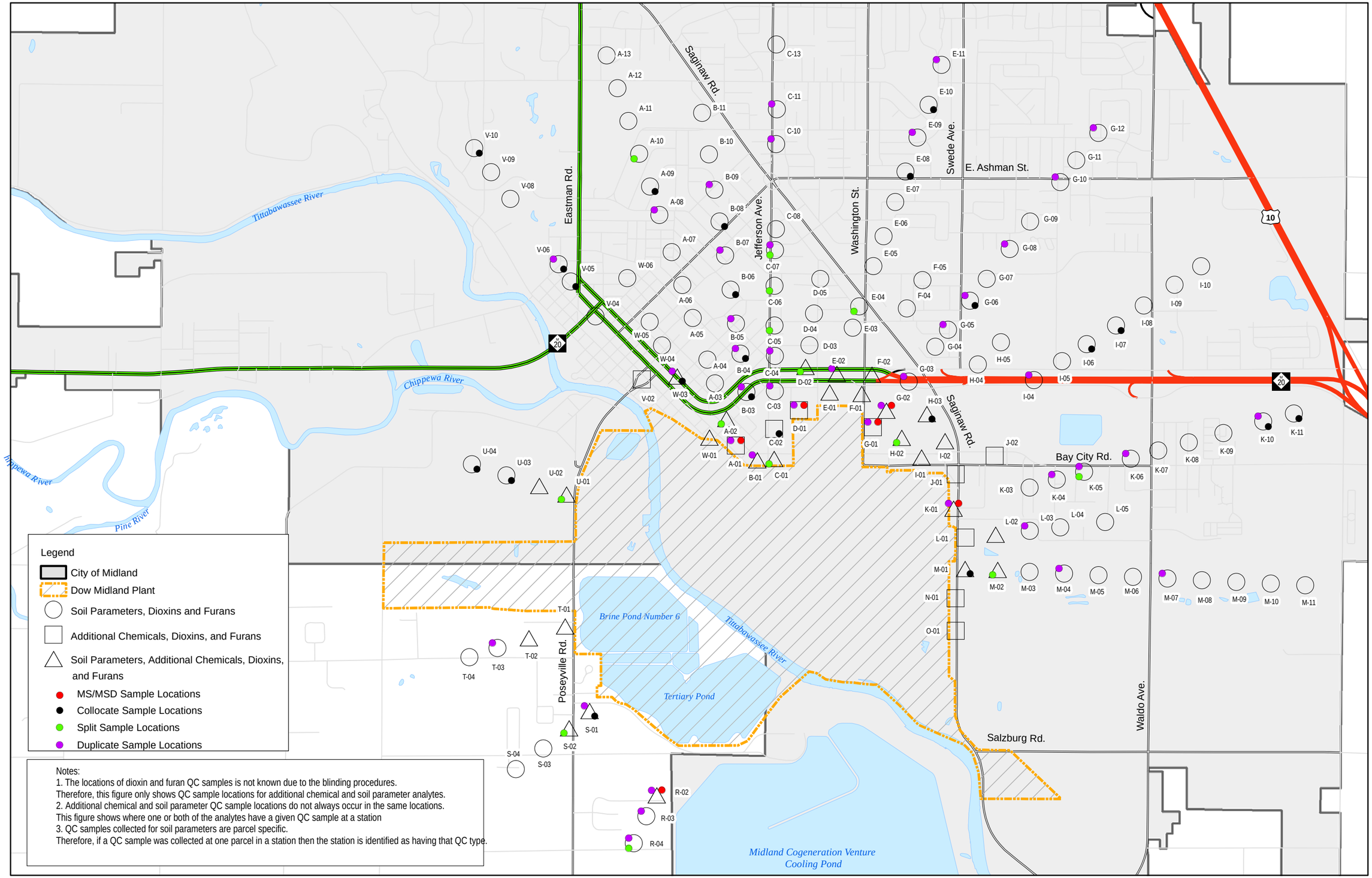

Figure B-1
Summary of Quality Control Samples by Station
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Appendix C
Dioxin and Furan Summary Statistics and Analytical Results

TABLE C-1
Dioxin and Furan Summary Statistics
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL2	No. of Detected Results Exceeding SL	No. of Nondetected Results Exceeding SL
DIOXINS and FURANS																
1,2,3,4,6,7,8-HEPTACHLORODIBENZO-p-DIOXIN	ng/kg	199	199	1	--	--	17	11,000	1,271	900	1,457	1.15	1,442	--	--	--
1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	199	199	1	--	--	5.4	5,000	736	410	900	1.22	841	--	--	--
1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	198	199	0.99	0.82	0.82	0.43	350	32.0	17	49.4	1.55	37.7	--	--	--
1,2,3,4,7,8-HEXACHLORODIBENZO-p-DIOXIN	ng/kg	199	199	1	--	--	0.78	210	24.2	15	25.9	1.07	27.3	--	--	--
1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	199	199	1	--	--	1.5	480	70.3	45	77.1	1.10	79.3	--	--	--
1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	199	199	1	--	--	1.2	370	45.1	30	48.8	1.08	50.8	--	--	--
2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	199	199	1	--	--	0.51	250	19.9	11	27.1	1.36	23.1	--	--	--
1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	199	199	1	--	--	0.72	600	59.4	34	86.5	1.46	69.6	--	--	--
1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	199	199	1	--	--	0.42	260	27.6	15	37.6	1.36	32.1	--	--	--
1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	96	199	0.48	0.26	10	0.69	26	3.26	1.8	3.89	1.19	3.71	--	--	--
1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-p-DIOXIN	ng/kg	199	199	1	--	--	100	121,000	13,061	8,600	16,071	1.23	14,944	--	--	--
1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	199	199	1	--	--	7.1	9,400	1,246	800	1,495	1.20	1,422	--	--	--
1,2,3,7,8-PENTACHLORODIBENZO-p-DIOXIN	ng/kg	199	199	1	--	--	0.76	230	30.5	21	31.4	1.03	34.1	--	--	--
1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	199	199	1	--	--	0.23	270	23.7	13	35.5	1.50	27.9	--	--	--
2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	198	199	0.99	0.42	0.42	0.54	250	25.6	15	34.1	1.33	29.6	--	--	--
2,3,7,8-TETRACHLORODIBENZO-p-DIOXIN	ng/kg	199	199	1	--	--	0.74	400	60.4	36	65.4	1.08	68.1	--	--	--
2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	199	199	1	--	--	0.26	460	33.6	17	57.7	1.72	40.4	--	--	--
2005 WHO Mammalian TEQ	ng/kg	199	199	1	--	--	2.4	950	152	100	151	0.99	169	90	110	--
Total Heptachloro-dibenzodioxin	ng/kg	199	199	1	--	--	33	21,000	2,350	1,600	2,729	1.16	2,669	--	--	--
Total Heptachloro-dibenzofuran	ng/kg	199	199	1	--	--	9.3	11,000	1,592	940	1,922	1.21	1,817	--	--	--
Total Hexachloro-dibenzodioxin	ng/kg	199	199	1	--	--	11	4,400	584	380	627	1.07	658	--	--	--
Total Hexachloro-dibenzofuran	ng/kg	199	199	1	--	--	6.3	8,400	654	360	913	1.40	761	--	--	--
Total Pentachloro-dibenzodioxin	ng/kg	199	199	1	--	--	5.5	1,300	243	160	244	1.00	272	--	--	--
Total Pentachloro-dibenzofuran	ng/kg	199	199	1	--	--	3.1	23,000	480	230	1,652	3.44	673	--	--	--
Total Tetrachloro-dibenzodioxin	ng/kg	199	199	1	--	--	5	1,900	349	230	350	1.00	390	--	--	--
Total Tetrachloro-dibenzofuran	ng/kg	199	199	1	--	--	12	8,300	666	430	810	1.22	761	--	--	--

[a] The MDL was used to calcluate the mean and median where concentrations were nondetected.
[b] SL = the selected MDEQ Screening Level
-- = not applicable

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	1139-1-D	1139-1	1139-2-D	1139-2	1144-1	1251-1	1251-2	130-1	138-1-C	138-1	1438-1
			Location ID	MidBlind_1139-1-D	MidBlind_1139-1	MidBlind_1139-2-D	MidBlind_1139-2	MidBlind_1144-1	MidBlind_1251-1	MidBlind_1251-2	MidBlind_130-1	MidBlind_138-1-C	MidBlind_138-1	MidBlind_1438-1
			Sample Date	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/23/2006	10/23/2006	11/13/2006
			Sample Depth (in)	0-1	0-1	1-6	1-6	0-1	0-1	1-6	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**5900** J	**8600** J	**5400** J	**7500** J	**12000**	**19000**	**18000**	**3500**	**14000** J	**31000** J	**7100**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**760** J	**1200** J	**650**	**910**	**880**	**2100**	**1900**	**290**	**1100** J	**3300** J	**490**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**660** J	**950** J	**610**	**810**	**1100**	**1800**	**1800**	**270**	**1300** J	**3200** J	**710**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**380**	**530**	**350**	**480**	**390**	**940**	**890**	**180**	**620** J	**1900** J	**310**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**13** J	**20** J	**13**	**17**	**13**	**42**	**48**	**6.4**	**26**	**79**	**11**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**12**	**16**	**11**	**14**	**14**	**34**	**34**	**7.7**	**30**	**83**	**13**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**20**	**25**	**19**	**24**	**17**	**89**	**84**	**16**	**53**	**160**	**16**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**38**	**48**	**33**	**46**	**41**	**110**	**110**	**16**	**78**	**210**	**32**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**10**	**13**	**10**	**12**	**11**	**41**	**38**	**7**	**25** D	**78** D	**8.5**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**23**	**29**	**20**	**26**	**26**	**61**	**67**	**11**	**53**	**140**	**25**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	1.3 U	1.4 U	1.1 U	1.1 U	1.3 U	2.2 U	**4.2**	0.63 U	2.9 U	**9.5**	1.1 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**19**	**24**	**16**	**22**	**18**	**50**	**48**	**10**	**85**	**180**	**11**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**5.6**	**7**	**5**	**6.3**	**4.5**	**40**	**37**	**9.7**	**26**	**84**	**6.9**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**9.5**	**12**	**9**	**11**	**11**	**27**	**28**	**6**	**18** J	**49** J	**6.8**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**9.6**	**12**	**8.9**	**11**	**7.8**	**39**	**39**	**13**	**27**	**86**	**7.1**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**51**	**63**	**45**	**59**	**34**	**120**	**120**	**17**	**140**	**400**	**13**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**6.5**	**7.8**	**6**	**7.8**	**5.3**	**56**	**51**	**24**	**37**	**120**	**8.7**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**97**	**120**	**87**	**110**	**86**	**260**	**260**	**46**	**280**	**760**	**50**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**1200**	**1700**	**1100**	**1400**	**2000**	**3300**	**3200**	**500**	**2400**	**6000**	**1300**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**880** J	**1300** J	**770**	**1100**	**920**	**2200**	**2200**	**380**	**1300**	**4100**	**620**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**320**	**400**	**280**	**380**	**370**	**830**	**860**	**140**	**640**	**1800**	**270**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**280**	**370**	**250**	**330** J	**250**	**840** J	**780** J	**130**	**500** J	**1600** J	**200**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**190**	**200**	**150**	**200**	**160**	**420**	**410**	**72**	**420**	**1100**	**90**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**180** J	**200** J	**160** J	**210** J	**140**	**490** J	**540** J	**110**	**330** J	**1100** J	**120** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**320**	**360**	**260**	**340**	**280**	**680**	**690**	**100**	**690**	**1900**	**110**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**450** J	**560**	**410**	**540**	**470**	**1200** J	**1200** J	**190**	**1100** J	**3100** J	**200** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	1438-2	1469-1	1517-1-C	1517-1	1517-2-C	1517-2	154-1	1582-1	1582-2	159-1	161-1
			Location ID	MidBlind_1438-2	MidBlind_1469-1	MidBlind_1517-1-C	MidBlind_1517-1	MidBlind_1517-2-C	MidBlind_1517-2	MidBlind_154-1	MidBlind_1582-1	MidBlind_1582-2	MidBlind_159-1	MidBlind_161-1
			Sample Date	11/13/2006	10/23/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/6/2006	10/30/2006	10/30/2006	11/6/2006	11/6/2006
			Sample Depth (in)	1-6	0-1	0-1	0-1	1-6	1-6	0-1	0-1	1-6	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**6000**	**8400** J	**11000** J	**29000** J	**15000** J	**28000** J	**3700**	**8400** J	**7900** J	**2300**	**8900**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**440**	**990** J	**1400** J	**2800** J	**2000** J	**3300** J	**410**	**890**	**830**	**260**	**890**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**630**	**940** J	**980** J	**2300** J	**1600** J	**2500** J	**330**	**760**	**730**	**230**	**920**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**260**	**860** J	**990** J	**1600** J	**1300** J	**1900** J	**180** J	**510**	**470**	**190** J	**540** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**10**	**64**	**26** J	**45** J	**53**	**68**	**7.3**	**20**	**20**	**6.3**	**21**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**12**	**40**	**21** J	**37** J	**34**	**42**	**6.1**	**13**	**12**	**5.2**	**20**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**14**	**250**	**54** J	**83** J	**95**	**110**	**13**	**44**	**43**	**13**	**43**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**28**	**180**	**62** J	**120** J	**96**	**140**	**18**	**44**	**37**	**14**	**60**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**7.2**	**260** J	**24** J	**40** J	**37**	**48**	**6**	**17**	**15**	**6.4**	**20**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**22**	**93**	**39** J	**65** J	**55**	**76**	**11**	**24**	**22**	**10**	**39**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	0.94 U	**8.3**	1.8 UJ	**4.9** J	**6.1**	**4.9**	0.64 U	1.6 U	2 U	**1.2** J	1.6 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**9.6**	**89**	**29** J	**65** J	**42** J	**71** J	**9.1**	**25**	**25**	**7**	**30**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**6.1**	**48**	**26**	**31**	**27**	**34**	**5.2**	**19**	**19**	**6.3**	**18**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**6.1**	**250** J	**19** J	**33** J	**32**	**39**	**4.9**	**9.3**	**9.1**	**4.4**	**15**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**6.2**	**250**	**27**	**38**	**35**	**43**	**5.6**	**16**	**15**	**5.7**	**19**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**13**	**65**	**49** J	**160** J	**91** J	**190** J	**18**	**37**	**36**	**9.1**	**58**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**8**	**50**	**37**	**46**	**42**	**51**	**7.3**	**26**	**24**	**7.9**	**24**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**45**	**360**	**140**	**320**	**220**	**380**	**42**	**100**	**97**	**29**	**130**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**1100**	**1800**	**1700**	**4100**	**2800**	**4500**	**580**	**1400**	**1400**	**430**	**1700**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**550**	**1800**	**2000**	**3400**	**2600**	**4000**	**460** J	**1100**	**1000**	**380** J	**1200**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**230**	**2000**	**550**	**960**	**820**	**1100**	**140**	**320**	**290**	**130**	**470**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**170**	**8400** J	**600** J	**1100** J	**880**	**1300**	**140**	**380**	**360**	**130**	**490**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**80**	**1300**	**270**	**460**	**340**	**520**	**75**	**150**	**140**	**60**	**260**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**100** J	**23000** J	**350** J	**650** J	**450** J	**750** J	**87** J	**200** J	**180**	**86** J	**310** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**100**	**650**	**410**	**850**	**600**	**1000**	**98**	**240**	**240**	**79**	**410**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**180** J	**8300** J	**640** J	**1300** J	**950** J	**1400** J	**190** J	**370** J	**380** J	**170** J	**670** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	1702-1-C	1702-1	1883-1	1932-1	1951-1	1963-1	199-1	1992-1-C	1992-1	2120-1	2147-1
			Location ID	MidBlind_1702-1-C	MidBlind_1702-1	MidBlind_1883-1	MidBlind_1932-1	MidBlind_1951-1	MidBlind_1963-1	MidBlind_199-1	MidBlind_1992-1-C	MidBlind_1992-1	MidBlind_2120-1	MidBlind_2147-1
			Sample Date	11/6/2006	11/6/2006	11/6/2006	11/6/2006	11/6/2006	11/6/2006	10/30/2006	10/23/2006	10/23/2006	11/6/2006	10/30/2006
			Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**18000**	**7900**	**4800**	**11000**	**6000**	**2600**	**8400** J	**4000** J	**5200** J	**4600**	**800** J
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**1200**	**600**	**560**	**1200**	**530**	**200**	**730**	**260** J	**380** J	**360**	**68**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**2000**	**780**	**500**	**1100**	**680**	**330**	**870**	**430** J	**590** J	**540**	**87**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**610** J	**400** J	**240** J	**670**	**320**	**150** J	**510**	**130** J	**190** J	**160** J	**41** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**38**	**20**	**12**	**23**	**16**	**7.1**	**19**	**6.8**	**11**	**9.6**	**2** J
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**43**	**18**	**9.8**	**25**	**15**	**11**	**23**	**8.7**	**12**	**13**	**2.3** J
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**100**	**68**	**26**	**36**	**40**	**12**	**33**	**9.2**	**19**	**15**	**3.7**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**110**	**45**	**29**	**62**	**47**	**24**	**62**	**21**	**32**	**30**	**5.8**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**35**	**23**	**10**	**19**	**18**	**6.6**	**16**	**5.6**	**9.3**	**7.4**	**2.5**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**76**	**32**	**21**	**45**	**35**	**19**	**40**	**17**	**24**	**21**	**4.7**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**4.7**	1.6 U	**1.4** J	**4.4**	1.3 U	**1** J	**3.5**	1.3 U	1.9 U	**1.3** J	**1.2** J
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**48**	**20**	**13**	**35**	**21**	**12**	**30**	**9.2**	**16**	**17**	**2.6**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**95**	**69**	**9.3**	**10**	**26**	**3.5**	**17**	**4.2**	**9.9**	**5.9**	**1.9** J
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**22**	**14**	**6**	**14**	**13**	**5.8**	**12**	**4.2** J	**6.9** J	**6.1**	**2.3** J
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**68**	**46**	**7.9**	**13**	**24**	**4.3**	**14**	**5**	**11**	**6.9**	**2.6**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**140**	**110**	**26**	**51**	**43**	**23**	**64**	**17**	**33**	**45**	**3.6**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**130**	**88**	**8.7**	**11**	**40**	**4.3**	**20**	**6.1**	**15**	**7.2**	**2.7**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**300**	**190**	**62**	**130**	**100**	**50**	**140**	**42**	**74**	**83**	**11**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**3700**	**1400**	**910**	**2100**	**1200**	**590**	**1600**	**770**	**1000**	**970**	**170**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**1400**	**840**	**550**	**1400**	**690**	**300**	**1100**	**280**	**440**	**380**	**84** J
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**950**	**380**	**240**	**530**	**390**	**220**	**520**	**170**	**260**	**260**	**59**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**730**	**460**	**210**	**440**	**380** J	**140**	**420**	**110**	**180**	**160**	**55** J
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**410**	**160**	**100**	**250**	**190**	**99**	**260**	**66**	**120**	**140**	**22**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**680** J	**440** J	**120** J	**220** J	**380** J	**93** J	**280** J	**71**	**130** J	**120** J	**48** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**820**	**340**	**170**	**300**	**360**	**140**	**420**	**94**	**170**	**240**	**26**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**1600** J	**710** J	**240** J	**630** J	**890** J	**260** J	**770** J	**170**	**310** J	**380** J	**64** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	2147-2	2218-1-C	2218-1	2330-1	2451-1	2485-1	2507-1-C	2507-1	2594-1	2600-1	2623-1
			Location ID	MidBlind_2147-2	MidBlind_2218-1-C	MidBlind_2218-1	MidBlind_2330-1	MidBlind_2451-1	MidBlind_2485-1	MidBlind_2507-1-C	MidBlind_2507-1	MidBlind_2594-1	MidBlind_2600-1	MidBlind_2623-1
			Sample Date	10/30/2006	11/6/2006	11/6/2006	11/13/2006	10/30/2006	11/13/2006	11/6/2006	11/6/2006	11/6/2006	11/6/2006	11/6/2006
			Sample Depth (in)	1-6	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**470** J	**15000**	**18000**	**32000**	**19000**	**8600**	**4400**	**2600**	**2500**	**16000**	**1900**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**32**	**1300**	**1900**	**2200**	**1600**	**970**	**240**	**180**	**230**	**1400**	**300**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**53**	**1500**	**1800**	**2500**	**1700**	**930**	**370**	**280**	**300**	**1700**	**210**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**23** J	**850**	**1000**	**710**	**880**	**430**	**97** J	**93** J	**150** J	**480** J	**180** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**1.1** J	**24**	**31**	**31**	**35**	**16**	**5.7**	**4.8**	**8.1**	**31**	**8.5**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**1.7** J	**32**	**39**	**28**	**25**	**22**	**7.2**	**6.3**	**9.1**	**28**	**5.8**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**2.5** J	**37**	**41**	**37**	**55**	**23**	**9.1**	**8.5**	**14**	**43**	**21**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**3.9**	**74**	**88**	**95**	**68**	**53**	**17**	**16**	**20**	**86**	**16**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**1.5** J	**22**	**25**	**19**	**29**	**14**	**4.9**	**4.8**	**7.8**	**19**	**10**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**2.8**	**57**	**69**	**61**	**48**	**38**	**13**	**11**	**16**	**63**	**9.3**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**0.69** J	2.5 U	2 U	1.9 U	2 U	**1.8**	**2.2** J	**2.1**	**1.3** J	2.3 U	**1.8** J
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**2.4** J	**40**	**43**	**40**	**33**	**31**	**9.7**	**8.8**	**13**	**41**	**7.1**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**1.3** J	**11**	**12**	**9.6**	**16**	**6.2**	**3.7**	**3.4**	**5.7**	**13**	**7.8**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**1.7** J	**16**	**18**	**17**	**23**	**13**	**3.7**	**3.7**	**6.2**	**18**	**6.5**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**2.2** J	**13**	**15**	**14**	**23**	**10**	**4.3**	**3.6**	**6.8**	**19**	**8**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**3.3**	**57**	**81**	**80**	**38**	**77**	**19**	**33**	**23**	**220**	**15**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**2.1**	**12**	**14**	**13**	**21**	**7.6**	**4.6**	**3.3**	**6.7**	**17**	**10**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**8.9**	**150**	**190**	**200**	**140**	**140**	**42**	**53**	**52**	**330**	**37**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**100**	**2800**	**3400**	**4700**	**3100**	**1700**	**690**	**520**	**540**	**3100**	**380**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**44** J	**1700**	**2100**	**1800**	**1900**	**990**	**220**	**200**	**310** J	**1200**	**410**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**41**	**640**	**810**	**760**	**580**	**510**	**150**	**140**	**180**	**700**	**140**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**28** J	**520**	**570**	**460**	**750** J	**310**	**100**	**96**	**160**	**460**	**220**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**21**	**250**	**340**	**250**	**230**	**250**	**80**	**76**	**110**	**310**	**73**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**29**	**230** J	**270** J	**250**	**520** J	**190**	**73** J	**68**	**150** J	**300** J	**220** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**28**	**320**	**480**	**390**	**220**	**440**	**130**	**140**	**160**	**690**	**100**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**63**	**670** J	**890** J	**700**	**500** J	**540**	**280** J	**200**	**290** J	**780** J	**260** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	265-1	2689-1-D	2689-1-M	2721-1	2753-1	2753-2	2808-1	2808-2	2823-1	2823-2	3018-1-C
			Location ID	MidBlind_265-1	MidBlind_2689-1-D	MidBlind_2689-1-M	MidBlind_2721-1	MidBlind_2753-1	MidBlind_2753-2	MidBlind_2808-1	MidBlind_2808-2	MidBlind_2823-1	MidBlind_2823-2	MidBlind_3018-1-C
			Sample Date	11/13/2006	11/6/2006	11/6/2006	11/6/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/6/2006
			Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	1-6	0-1	1-6	0-1	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**33000**	**3500**	**4100** J	**2100**	**11000**	**9900** J	**11000**	**14000**	**4800**	**4700**	**4000**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**4400**	**370**	**440**	**150**	**880**	**880**	**640**	**800**	**460**	**530**	**300**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**3000**	**340**	**420**	**240**	**870**	**810**	**920**	**1100**	**490**	**500**	**450**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**3200**	**290** J	**210** J	**89** J	**490**	**490**	**320**	**390**	**310**	**330**	**140** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**62**	**15**	**8.9**	**5.2**	**16**	**16**	**14**	**17**	**12**	**13**	**8.2**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**53**	**5.7**	**8.1**	**5.8**	**13**	**12**	**13**	**16**	**11**	**12**	**11**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**86**	**38**	**20**	**8.9**	**32**	**31**	**33**	**38**	**26**	**26**	**14**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**150**	**17**	**20**	**16**	**38**	**34**	**37**	**44**	**31**	**31**	**27**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**49**	**15**	**8.9**	**5**	**16**	**14**	**14**	**16** D	**12**	**12**	**6.7**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**100**	**10**	**13**	**13**	**25**	**22**	**26**	**31**	**21**	**21**	**20**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**6.5**	1.1 U	0.72 U	**2.4** J	**2.6**	1.2 U	0.84 U	**1.9** J	0.94 U	0.87 U	1.4 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**60**	**6.4**	**8.1**	**8.9**	**13**	**12**	**13**	**17**	**16**	**15**	**13**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**18**	**12**	**14**	**3.3**	**20**	**16**	**21**	**23**	**12**	**13**	**7.3**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**48**	**5.7**	**5.8**	**4.5**	**11**	**11**	**12**	**12**	**11**	**11**	**5.3**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**30**	**11**	**12**	**3.9**	**21**	**17**	**21**	**23**	**14**	**14**	**7.3**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**100**	**15**	**19** J	**20**	**20**	**20**	**28**	**37**	**32**	**30**	**32**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**18**	**18**	**19** J	**2.9**	**35**	**24**	**34**	**36**	**18**	**18**	**8.2**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**300**	**44**	**48**	**40**	**74**	**69**	**80**	**100**	**75**	**73**	**64**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**5400**	**610**	**760**	**430**	**1600**	**1500**	**1900**	**2200**	**890**	**900**	**830**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**6400**	**680**	**520** J	**190**	**1000**	**1100**	**700**	**870**	**640**	**700**	**310**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**1400**	**140**	**170**	**140**	**350**	**320**	**370**	**440**	**240**	**250**	**230**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**1700**	**260**	**200**	**100**	**400**	**380**	**350**	**400** J	**280**	**280**	**150**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**500**	**56**	**72**	**74**	**110**	**100**	**110**	**120**	**120**	**120**	**110**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**660** J	**140** J	**140** J	**82** J	**280** J	**250** J	**270** J	**290** J	**180** J	**170** J	**100**
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**720**	**85**	**120**	**120**	**120**	**130**	**130**	**160**	**200**	**200**	**190**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**1100** J	**200** J	**250** J	**200** J	**330** J	**300** J	**320** J	**370** J	**340** J	**280** J	**290**

J = Estimated value
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UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
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Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	3018-1	3313-1-C	3313-1	3374-1	3374-2	3473-1-M	3549-1	3607-1	3653-1-C	3653-1	3672-1
			Location ID	MidBlind_3018-1	MidBlind_3313-1-C	MidBlind_3313-1	MidBlind_3374-1	MidBlind_3374-2	MidBlind_3473-1-M	MidBlind_3549-1	MidBlind_3607-1	MidBlind_3653-1-C	MidBlind_3653-1	MidBlind_3672-1
			Sample Date	11/6/2006	10/23/2006	10/23/2006	10/30/2006	10/30/2006	11/13/2006	11/6/2006	10/23/2006	10/23/2006	10/23/2006	11/13/2006
			Sample Depth (in)	0-1	0-1	0-1	0-1	1-6	0-1	0-1	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**8400**	**5500** J	**8600** J	**26000**	**15000**	**9600**	**41000**	**6700** J	**1200** J	**930** J	**13000**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**690**	**1000** J	**1800** J	**1300**	**1000**	**710** J	**5400**	**720** J	**72** J	**66** J	**1300**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**910**	**550** J	**790** J	**2600**	**1500**	**880**	**4300**	**770** J	**140** J	**110** J	**1300**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**270** J	**1900** J	**3600** J	**550**	**430**	**260**	**3400**	**300** J	**34** J	**33** J	**820**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**16**	**40**	**66**	**31**	**26**	**14**	**120**	**13**	**2.4** J	**2.1** J	**29**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**24**	**11**	**15**	**33**	**24**	**14**	**120**	**13**	**2.6**	**2.3** J	**24**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**27**	**86**	**140**	**50**	**35**	**23**	**180**	**17**	**3.9**	**3.8**	**61**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**53**	**59**	**81**	**91**	**66**	**41**	**280**	**36**	**7.2**	**6.4**	**73**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**12**	**31** D	**53**	**28**	**20**	**13**	**77**	**10**	**2.2** J	**2.1** J	**26**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**40**	**32**	**42**	**62**	**42**	**30**	**190**	**28**	**5.6**	**4.7**	**43**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	1.2 U	4.2 U	4.4 U	2.1 U	4.8 U	1.7 U	**13**	2 U	**1** J	**1.1** J	1.7 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**24**	**20**	**30**	**29**	**22**	**21**	**150**	**19**	**3.7**	**3.2**	**33**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**13**	**15**	**21**	**18**	**11**	**11**	**46**	**4.4**	**2.3** J	**1.9** J	**27**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**9.1**	**19** J	**35** J	**19**	**14**	**11**	**71**	**7.9** J	**1.6** J	**1.6** J	**20**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**12**	**29**	**45**	**21**	**13**	**13**	**62**	**6.5**	**2.5** J	**2.2** J	**27**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**57**	**12**	**15**	**35**	**30**	**47**	**310**	**36**	**8.2**	**8.4**	**66**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**13**	**20**	**24**	**23**	**14**	**17**	**45**	**4.8**	**3.8**	**2.9**	**37**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**120**	**94**	**150**	**140**	**100**	**100**	**670**	**82**	**18**	**17**	**160**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**1700**	**1000**	**1400**	**5000**	**2800**	**1700**	**7800**	**1400**	**260**	**200**	**2300**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**610**	**3200**	**5900**	**1400**	**1100**	**640**	**7100**	**690**	**78**	**72**	**1700**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**460**	**500**	**710**	**710**	**510**	**370**	**2400**	**300**	**66**	**58**	**580**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**270**	**1000** J	**1800** J	**700**	**500**	**290**	**2200** J	**220**	**39**	**36**	**650** J
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**210**	**210**	**320**	**200**	**160**	**150**	**1200**	**110**	**31**	**29**	**260**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**200** J	**320** J	**500** J	**420**	**300**	**250**	**1200** J	**100**	**32**	**29**	**310** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**350**	**110**	**140**	**240**	**200**	**230**	**1700**	**130**	**40**	**44**	**400**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**540** J	**300** J	**430** J	**360**	**290**	**400**	**2500** J	**240**	**81**	**77**	**630** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	3672-2	4072-1	4107-1	4312-1	4421-1	4460-1	4460-2	4505-1	4507-1	4507-2	4528-1
			Location ID	MidBlind_3672-2	MidBlind_4072-1	MidBlind_4107-1	MidBlind_4312-1	MidBlind_4421-1	MidBlind_4460-1	MidBlind_4460-2	MidBlind_4505-1	MidBlind_4507-1	MidBlind_4507-2	MidBlind_4528-1
			Sample Date	11/13/2006	10/23/2006	11/6/2006	11/6/2006	11/13/2006	10/30/2006	10/30/2006	11/6/2006	11/13/2006	11/13/2006	11/13/2006
			Sample Depth (in)	1-6	0-1	0-1	0-1	0-1	0-1	1-6	0-1	0-1	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**15000**	**21000** J	**3400**	**4800**	**1500**	**22000**	**27000**	**3400**	**12000**	**13000**	**1600**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**1400**	**2500** J	**790**	**390**	**99**	**1500**	**2100**	**170**	**580**	**690**	**250**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**1400**	**2100** J	**340**	**460**	**160**	**2200**	**2700**	**210**	**830**	**900**	**170**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**860**	**1600** J	**590** J	**230** J	**54**	**1100**	**1500**	**88** J	**200**	**240**	**170**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**30**	**55**	**25**	**7.1**	**2.6**	**49**	**67**	**4.1**	**11**	**11**	**5**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**26**	**53**	**5.2**	**7.2**	**4.1**	**45**	**66**	**4.9**	**11**	**11**	**4.4**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**66**	**100**	**160**	**9.3**	**5**	**230**	**290**	**6.5**	**34**	**37**	**13**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**80**	**130**	**18**	**19**	**9.8**	**130**	**170**	**11**	**29**	**33**	**13**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**29**	**44**	**37**	**5.9**	**3.1**	**75**	**95**	**4.2**	**11**	**13**	**5.8**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**48**	**86**	**10**	**16**	**7.8**	**71**	**98**	**9**	**24**	**24**	**8.8**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	1.9 U	**5.5**	**5.1**	**2.5** J	**1.6**	**4.4**	10 U	**1.8** J	1.4 U	1.7 U	1.3 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**37**	**77**	**6.2**	**6.2**	**4.9**	**40**	**54**	**5.1**	**9.9**	**11**	**5.9**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**30**	**41**	**200**	**2.6**	**2.8**	**230**	**270**	**2.4** J	**37**	**36**	**7.7**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**21**	**30** J	**15**	**4.4**	**2.8**	**38**	**45**	**3.1**	**8.1**	**7.7**	**5.2**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**29**	**49**	**160**	**3.2**	**3.6**	**170**	**200**	**2.9**	**30**	**29**	**7.3**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**78**	**170**	**7.3**	**5.5**	**8.6**	**69**	**95**	**9.1**	**8.4**	**12**	**11**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**43**	**58**	**410**	**3.1**	**5**	**380**	**460**	**2.8**	**75**	**75**	**14**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**180**	**350**	**150**	**28**	**21**	**300**	**390**	**24**	**62**	**68**	**29**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**2500**	**3700**	**570**	**830**	**290**	**4200**	**5400**	**430**	**1600**	**1700**	**310**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**1800**	**3100**	**1200**	**480**	**110**	**2400**	**3200**	**170**	**540**	**610**	**340**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**630**	**1300**	**130**	**160**	**94**	**1000**	**1400**	**110**	**270**	**270**	**99**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**690** J	**1100**	**530**	**160**	**57**	**1300**	**1800** J	**85**	**220**	**230**	**130**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**300**	**630**	**57**	**46**	**43**	**370**	**520**	**48**	**71**	**82**	**46**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**350** J	**710** J	**790** J	**69** J	**50**	**1200** J	**1500** J	**67** J	**210**	**210**	**78** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**450**	**1100**	**69**	**41**	**65**	**510**	**790**	**72**	**72**	**93**	**67**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**700** J	**1800** J	**1000** J	**97** J	**140**	**1500** J	**2200** J	**160**	**320**	**330**	**120** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	4528-2	4534-1	4755-1	4853-1	4927-1	494-1-M	4975-1	4990-1	4995-1	4995-2	5035-1-C
			Location ID	MidBlind_4528-2	MidBlind_4534-1	MidBlind_4755-1	MidBlind_4853-1	MidBlind_4927-1	MidBlind_494-1-M	MidBlind_4975-1	MidBlind_4990-1	MidBlind_4995-1	MidBlind_4995-2	MidBlind_5035-1-C
			Sample Date	11/13/2006	10/30/2006	11/6/2006	10/23/2006	11/6/2006	11/13/2006	11/6/2006	11/6/2006	10/30/2006	10/30/2006	11/6/2006
			Sample Depth (in)	1-6	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**730**	**15000**	**9600**	**1600** J	**16000**	**4900**	**12000**	**8200**	**12000**	**21000**	**23000**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**93**	**1700**	**1100**	**170** J	**2200**	**230**	**860**	**640**	**2000**	**3800**	**240**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**80**	**1600**	**940**	**170** J	**2000**	**440**	**1100**	**960**	**1200**	**2200**	**2800**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**90**	**1300**	**580** J	**120** J	**1300**	**120**	**450** J	**330** J	**1100**	**1900**	**110** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**3.1**	**38**	**26**	**4.6**	**94**	**6.8**	**20**	**15**	**32**	**62**	**5.9**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**2.6**	**44**	**22**	**4.5**	**70**	**9**	**19**	**17**	**22**	**40**	**18**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**8.4**	**75**	**54**	**9.5**	**140**	**9.5**	**36**	**18**	**49**	**84**	**9.3**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**6.7**	**120**	**54**	**12**	**210**	**19**	**52**	**37**	**71**	**130**	**39**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**3.5**	**37** D	**21**	**5**	**61**	**5.1**	**18**	**11**	**23**	**41**	**4.7**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**4.5**	**79**	**39**	**7.8**	**130**	**16**	**35**	**34**	**41**	**72**	**35**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**1.8** J	**6.2**	1.9 U	**2.4** J	**16**	**2.2**	1.7 U	**2.1** J	4.6 U	5.1 U	**2** J
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**3**	**74**	**25**	**12**	**83**	**11**	**22**	**22**	**28**	**55**	**7.3**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**5.4**	**33**	**20**	**4.4**	**20**	**4.1**	**16**	**3.8**	**14**	**19**	**4**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**2.7**	**28**	**14**	**3.6** J	**47**	**4.8**	**13**	**7.3**	**16**	**27**	**3**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**4.5**	**41**	**22**	**4.6**	**34**	**5**	**16**	**5.8**	**19**	**30**	**3.9**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**5.5**	**120**	**66**	**22**	**130**	**14**	**53**	**17**	**55**	**98**	**9.1**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**7.4**	**53**	**22**	**6**	**18**	**6.6**	**20**	**3.6**	**15**	**22**	**4.3**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**16**	**290**	**140**	**44**	**330**	**40**	**120**	**69**	**140**	**250**	**66**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**150**	**2900**	**1600**	**320**	**3700**	**850**	**1900**	**1800**	**2200**	**4000**	**5000**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**170**	**2400**	**1300**	**240**	**3000**	**260**	**990**	**720**	**2400**	**4500**	**250**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**56**	**1200**	**470**	**110**	**1800**	**200**	**420**	**340**	**530**	**970**	**340**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**72**	**900** J	**490** J	**100**	**1500** J	**100**	**420** J	**240**	**670**	**1200**	**95**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**25**	**720**	**240**	**70**	**630**	**77**	**190**	**110**	**220**	**420**	**55**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**48** J	**650** J	**320** J	**70** J	**1100** J	**73**	**250** J	**100** J	**290**	**470** J	**51** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**39**	**950**	**380**	**110**	**760**	**110**	**290**	**87**	**260**	**470**	**72**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**70** J	**1700** J	**590** J	**180** J	**1100** J	**200**	**570** J	**210** J	**380**	**650** J	**150** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	5035-1	5074-1-D	5074-1-M	5112-1	5116-1	5135-1-D	5135-1-M	5299-1-C	5299-1	5308-1	5338-1
			Location ID	MidBlind_5035-1	MidBlind_5074-1-D	MidBlind_5074-1-M	MidBlind_5112-1	MidBlind_5116-1	MidBlind_5135-1-D	MidBlind_5135-1-M	MidBlind_5299-1-C	MidBlind_5299-1	MidBlind_5308-1	MidBlind_5338-1
			Sample Date	11/6/2006	11/6/2006	11/6/2006	10/23/2006	11/13/2006	10/23/2006	10/23/2006	10/23/2006	10/23/2006	11/6/2006	10/30/2006
			Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**8800**	**14000**	**14000**	**860** J	**6900**	**7200** J	**6800** J	**5400** J	**12000** J	**24000**	**15000**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**130**	**1600**	**1400** J	**49** J	**520**	**710** J	**700** J	**420** J	**860** J	**1900**	**790**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**880**	**1500**	**1500**	**85** J	**780**	**610** J	**610** J	**690** J	**1400** J	**1800**	**1500**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**60** J	**920**	**910**	**32** J	**220**	**470** J	**490** J	**170** J	**280** J	**1100**	**280**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**3.1**	**36**	**38**	**2** J	**13**	**14**	**14**	**12**	**22**	**41**	**19**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**5.6**	**38**	**36**	**2.6**	**15**	**14**	**14**	**17**	**28**	**42**	**21**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**5**	**74**	**72**	**3.5**	**21**	**24**	**24**	**19**	**28**	**73**	**45**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**14**	**93**	**91**	**5.8**	**44**	**36**	**35**	**36**	**66**	**100**	**69**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**2.5**	**33**	**34**	**1.9** J	**11**	**12** D	**12**	**10**	**15**	**30**	**17**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**12**	**62**	**57**	**4**	**28**	**26**	**24**	**26**	**47**	**70**	**43**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**1.1** J	2.2 U	**6.1**	**1.5** J	1.2 U	**1.8** J	**2.5**	1.8 U	**2.3**	2.5 U	3.2 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**3.4**	**48**	**49**	**3.4**	**20**	**21**	**21**	**22**	**39**	**82**	**21**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**2.6**	**36**	**32**	**1.3** J	**9.4**	**10**	**9.8**	**7.7**	**11**	**31**	**33**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**1.6** J	**27**	**27**	**1.8** J	**9.4**	**11** J	**11** J	**9.2** J	**12** J	**26**	**11**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**2.2** J	**34**	**32**	**1.8**	**11**	**13**	**13**	**11**	**15**	**31**	**24**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**5**	**110**	**110**	**5**	**56**	**40**	**40**	**55**	**110**	**170**	**47**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**3**	**52**	**41**	**1.5**	**13**	**14**	**14**	**13**	**14**	**36**	**44**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**26**	**240**	**230**	**13**	**110**	**93**	**93**	**100**	**190**	**330**	**120**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**1600**	**2600**	**2600**	**240**	**1400**	**1200**	**1100**	**1300**	**2700**	**3200**	**3000**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**140**	**2000**	**1900**	**65**	**520**	**900**	**940**	**450**	**800**	**2300**	**740**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**120**	**820**	**800**	**61**	**370**	**350**	**340**	**330**	**590**	**870**	**540**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**53**	**870** J	**850** J	**40**	**210**	**310** J	**320** J	**210**	**330**	**1000** J	**330**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**28**	**460**	**450**	**26**	**160**	**160**	**170**	**180**	**290**	**510**	**150**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**29** J	**700** J	**700** J	**40**	**170** J	**190** J	**200** J	**180**	**240**	**640** J	**230** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**34**	**730**	**720**	**38**	**300**	**200**	**210**	**310**	**520**	**800**	**210**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**64** J	**1500** J	**1400** J	**79**	**540**	**420** J	**440** J	**610**	**810**	**1100** J	**330**

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	5338-2	5453-1	5583-1	5583-2	5620-1-C	5620-1	5620-2-C	5620-2	5664-1	5672-1-C	5672-1
			Location ID	MidBlind_5338-2	MidBlind_5453-1	MidBlind_5583-1	MidBlind_5583-2	MidBlind_5620-1-C	MidBlind_5620-1	MidBlind_5620-2-C	MidBlind_5620-2	MidBlind_5664-1	MidBlind_5672-1-C	MidBlind_5672-1
			Sample Date	10/30/2006	11/6/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/23/2006	11/6/2006	11/6/2006
			Sample Depth (in)	1-6	0-1	0-1	1-6	0-1	0-1	1-6	1-6	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**15000**	**2100**	**11000**	**9100**	**16000**	**18000**	**14000**	**17000**	**3800** J	**1600**	**4600**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**830**	**280**	**1400**	**840**	**1400**	**1600**	**1600**	**1800**	**380** J	**150**	**410**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**1500**	**250**	**1100**	**900**	**1600**	**1800**	**1600**	**1800**	**330** J	**170**	**490**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**290**	**220** J	**880**	**790**	**890**	**1100**	**1000**	**1300**	**140** J	**94** J	**300** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**18**	**8.6**	**50**	**52**	**39**	**46**	**43**	**52**	**6.4**	**3.1**	**9**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**20**	**6.4**	**14**	**13**	**39**	**44**	**37**	**45**	**6.7**	**3.6**	**11**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**50**	**19**	**74**	**75**	**120**	**110**	**130**	**140**	**9.8**	**4.8**	**16**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**55**	**18**	**79**	**87**	**110**	**120**	**110**	**150**	**21**	**8.8**	**27**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**18**	**8.5**	**30**	**29**	**47**	**52**	**49**	**62**	**5.3**	**2.5** J	**8.3**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**38**	**11**	**33**	**29**	**66**	**80**	**68**	**89**	**13**	**6.9**	**18**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	3.3 U	0.65 U	1.7 U	1.7 U	**4.4**	**4.7**	**5**	**5.7**	0.72 U	**1.2** J	1.8 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**22**	**8.8**	**17**	**15**	**48**	**52**	**53**	**59**	**17**	**4.4**	**13**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**40**	**8.4**	**20**	**17**	**83** J	**58** J	**86**	**64**	**3.3**	**1.7** J	**6.8**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**9.6**	**6.5**	**18**	**17**	**33**	**39**	**37**	**45**	**5.1** J	**2** J	**6.9**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**30**	**8.4**	**22**	**21**	**76**	**58**	**80**	**69**	**4.7**	**2** J	**6.7**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**53**	**17**	**26**	**23**	**110**	**110**	**110**	**120**	**52**	**8**	**24**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**51**	**11**	**25**	**21**	**150** J	**98** J	**160** J	**110** J	**4.1**	**2.1**	**7.4**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**130**	**42**	**100**	**93**	**270**	**270**	**280**	**300**	**83**	**19**	**59**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**2800**	**420**	**1900**	**1600**	**3100**	**3400**	**2900**	**3300**	**630**	**310**	**890**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**780**	**440** J	**1800**	**1500**	**1900**	**2300**	**2200**	**2700**	**380**	**190**	**580**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**450**	**140**	**480**	**470**	**950**	**1100**	**970**	**1200**	**170**	**79**	**240**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**340**	**170**	**600** J	**580** J	**940**	**1100**	**1100**	**1400**	**120**	**59**	**210**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**150**	**72**	**140**	**130**	**460**	**490**	**510**	**590**	**92**	**38**	**140**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**250**	**94**	**230** J	**220** J	**860** J	**940** J	**950** J	**1100** J	**72** J	**31** J	**120** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**230**	**110**	**150**	**140**	**800**	**890**	**910**	**1000**	**170**	**48**	**240**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**360**	**160** J	**290** J	**250** J	**2000** J	**2000** J	**2200** J	**2200** J	**240**	**96** J	**450** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 1 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	5685-1	5685-2	5690-1	5716-1	574-1	574-2	5890-1	5895-1-C	5895-1
			Location ID	MidBlind_5685-1	MidBlind_5685-2	MidBlind_5690-1	MidBlind_5716-1	MidBlind_574-1	MidBlind_574-2	MidBlind_5890-1	MidBlind_5895-1-C	MidBlind_5895-1
			Sample Date	11/13/2006	11/13/2006	10/23/2006	11/6/2006	11/13/2006	11/13/2006	11/13/2006	11/6/2006	11/6/2006
			Sample Depth (in)	0-1	1-6	0-1	0-1	0-1	1-6	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**									
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**24000**	**18000**	**13000** J	**560**	**53000**	**45000**	**11000**	**26000**	**25000**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**2300**	**1800**	**1700** J	**57**	**7400**	**6400**	**1100**	**2500**	**2700**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**2100**	**1700**	**1200** J	**63**	**5300**	**4400**	**1100**	**2700**	**2600**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**1200**	**990**	**1200** J	**40** J	**2400**	**2100**	**530**	**1700**	**1800**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**35**	**31**	**27**	**4.1**	**94**	**85**	**22**	**64**	**67**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**29**	**25**	**23**	**1.6** J	**65**	**53**	**21**	**59**	**61**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**48** J	**45**	**41**	**58**	**120**	**110**	**31**	**130**	**160**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**92**	**72**	**69**	**4.7**	**230**	**190**	**57**	**180**	**180**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**31**	**27** J	**21** D	**14**	**75**	**64**	**18**	**63**	**64**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**54**	**44**	**45**	**3.1**	**120**	**95**	**38**	**100**	**100**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	1.7 U	1.4 U	3.1 U	**1.5** J	3.3 U	3.6 U	1.9 U	**7.9**	**9.5**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**41**	**36**	**25**	**2** J	**78**	**62**	**30**	**66**	**66**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**11**	**11**	**13**	**77**	**24**	**21**	**11**	**61**	**82**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**24**	**21**	**20** J	**5.1**	**57**	**48**	**18**	**45**	**45**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**17**	**16**	**20**	**51**	**40**	**36**	**15**	**58**	**68**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**34**	**29**	**46**	**3.9**	**270**	**240**	**64**	**140**	**160**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**15**	**15**	**15**	**97**	**34**	**29**	**16**	**86**	**100**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**150**	**130**	**130**	**43**	**520**	**450**	**140**	**350**	**370**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**4000**	**3200**	**2300**	**110**	**9400**	**7900**	**2000**	**5000**	**4700**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**2500**	**2100**	**2300**	**85**	**6700**	**5800**	**1200**	**3700**	**3900**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**690**	**570**	**630**	**40**	**1600**	**1400**	**510**	**1400**	**1400**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**930** J	**770** J	**650** J	**130**	**2300**	**2000** J	**410**	**1700**	**1700**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**220**	**190**	**220**	**20**	**570**	**480**	**230**	**560**	**600**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**450** J	**410** J	**310** J	**260** J	**950**	**870** J	**300** J	**1200** J	**990** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**210**	**180**	**300**	**28**	**940**	**790**	**380**	**920**	**1000**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**530** J	**460** J	**520** J	**300** J	**1200**	**970** J	**700**	**1800** J	**1800** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	593-1	6038-1	6082-1	6328-1	6450-1	6547-1-D	6547-1	6630-1	6676-1	6676-2-D	6676-2
			Location ID	MidBlind_593-1	MidBlind_6038-1	MidBlind_6082-1	MidBlind_6328-1	MidBlind_6450-1	MidBlind_6547-1-D	MidBlind_6547-1	MidBlind_6630-1	MidBlind_6676-1	MidBlind_6676-2-D	MidBlind_6676-2
			Sample Date	11/6/2006	11/6/2006	11/13/2006	10/23/2006	11/6/2006	11/6/2006	11/6/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006
			Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	1-6	1-6
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**11000**	**6300**	**1500**	**3600** J	**14000**	**9600**	**7000**	**11000**	**3000** J	**3300** J	**3100** J
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**1600**	**390**	**120**	**500** J	**1400**	**960**	**870**	**800**	**300**	**330**	**290**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**1000**	**570**	**140**	**390** J	**1100**	**1000**	**870**	**1100**	**310**	**340**	**330**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**1200**	**150** J	**70**	**270** J	**880**	**420** J	**390** J	**540**	**180**	**200**	**190**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**26**	**9**	**2.8**	**12**	**23**	**18**	**16**	**22**	**7.8**	**8**	**7.9**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**16**	**14**	**3.1**	**9.4**	**24**	**22**	**20**	**26**	**7**	**7.1**	**7.7**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**38**	**14**	**5.3**	**18**	**38**	**28**	**26**	**42**	**19**	**17**	**19**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**51**	**27**	**8.3**	**23**	**64**	**62**	**53**	**63**	**19**	**21**	**20**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**19**	**7.8**	**2.8**	**10**	**19**	**16**	**15**	**22**	**8.2**	**8**	**8.1**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**30**	**20**	**6.2**	**17**	**44**	**45**	**38**	**43**	**13**	**13**	**14**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**3.3**	**1.3** J	**1.6** J	0.99 U	1.7 U	**3.6**	**2.8**	1.7 U	0.67 U	0.66 U	**0.92** J
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**19**	**15**	**4.5**	**11**	**31**	**26**	**24**	**28**	**12**	**13**	**13**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**13**	**4.7**	**3.3**	**6.1**	**13**	**11**	**9.5**	**19**	**12**	**11**	**13**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**15**	**5.7**	**3.2**	**7.6** J	**14**	**12**	**11**	**14**	**6.4**	**6.2**	**5.8**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**14**	**5.8**	**3.4**	**7.7**	**14**	**12**	**11**	**19**	**12**	**12**	**13**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**35**	**38**	**7.5**	**21**	**49**	**55**	**50**	**61**	**25**	**27**	**31**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**17**	**5.4**	**4.9**	**8.7**	**15**	**14**	**11**	**29**	**18**	**19**	**21**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**100**	**74**	**19**	**52**	**130**	**120**	**110**	**140**	**56**	**59**	**64**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**1900**	**1100**	**260**	**690**	**2100**	**1800**	**1500**	**2000**	**570**	**650**	**620**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**2300**	**380**	**150**	**590**	**1800**	**1000**	**940**	**1200**	**360**	**420**	**380**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**380**	**250**	**76**	**180**	**540**	**490**	**430**	**560**	**190**	**200**	**200**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**540**	**160**	**62**	**230**	**490**	**390**	**350**	**510**	**170** J	**170** J	**170** J
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**160**	**130**	**35**	**99**	**270**	**240**	**210**	**260**	**94**	**93**	**100**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**210** J	**120** J	**50**	**120**	**250** J	**290** J	**240** J	**340** J	**140** J	**140** J	**140**
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**230**	**230**	**45**	**140**	**340**	**430**	**380**	**390**	**150**	**150**	**170**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**380** J	**380** J	**98**	**290**	**570** J	**820** J	**700** J	**590** J	**290**	**300** J	**350**

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	6712-1	6713-1	6772-1-D	6772-1	6823-1-C	6823-1	6960-1-C	6960-1	6960-2-C	6960-2	706-1-C
			Location ID	MidBlind_6712-1	MidBlind_6713-1	MidBlind_6772-1-D	MidBlind_6772-1	MidBlind_6823-1-C	MidBlind_6823-1	MidBlind_6960-1-C	MidBlind_6960-1	MidBlind_6960-2-C	MidBlind_6960-2	MidBlind_706-1-C
			Sample Date	11/6/2006	11/6/2006	11/6/2006	11/6/2006	11/6/2006	11/6/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
			Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	1-6	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**24000**	**30000**	**4300**	**4900** J	**1200**	**850**	**540**	**520**	**420**	**470**	**12000**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**3400**	**2300**	**310**	**340**	**94**	**79**	**57**	**57**	**43**	**50**	**980**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**2400**	**3000**	**460**	**500**	**160**	**110**	**57**	**56**	**44**	**48**	**1400**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**2400**	**840**	**130** J	**130** J	**90** J	**78** J	**38**	**34**	**30**	**35**	**580**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**63**	**43**	**7.2**	**7.4**	**4.4**	**3.8**	**1.5** J	**1.5** J	**1.2** J	**1.1** J	**22**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**59**	**43**	**7.8**	**7.6**	**5.4**	**4.1**	**1.7** J	**1.6** J	**1.1** J	**1.4** J	**24**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**130**	**63**	**11**	**11**	**10**	**12**	**3.3**	**3.7**	**2.9**	**2.6**	**42**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**160**	**120**	**21**	**22**	**14**	**11**	**3.6**	**4**	**2.8**	**3**	**64**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**61**	**28**	**5.8**	**5.8**	**4.2**	**5.2**	**2.4** J	**2.1** J	**1.8** J	**1.9** J	**38**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**110**	**88**	**15**	**15**	**10**	**7.9**	**2.8**	**2.9**	**2.1** J	**2.3** J	**51**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**13**	**5.8**	0.78 U	0.65 U	0.67 U	**2.5** J	**1.1** J	**1** J	**0.94** J	**0.84** J	1.3 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**82**	**44**	**10**	**10**	**8.4**	**7**	**1.8** J	**2.1** J	**1.5** J	**1.7** J	**19**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**54**	**20**	**4.4**	**4.1**	**4.7**	**8.8**	**2** J	**2.3** J	**1.9** J	**1.9** J	**17**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**41**	**24**	**4.3**	**4.2**	**3.8**	**3.5**	**2.1** J	**2.5** J	**2** J	**2.3** J	**29**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**53**	**24**	**8.1** J	**4.6** J	**4.5**	**7.2**	**2.5** J	**2.7**	**2** J	**2.3** J	**20**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**160**	**160**	**35**	**32**	**17**	**26**	**2.1**	**2.2**	**2.1**	**2.1**	**17**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**66**	**23**	**5**	**5.2**	**5.7**	**14**	**3.5**	**3.6**	**3**	**3.5**	**23**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**380**	**300**	**62**	**59**	**35**	**44**	**7.8**	**8.3**	**6.8**	**7.3**	**93**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**4300**	**5400**	**820**	**870**	**280**	**200**	**100**	**110**	**80**	**88**	**2600**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**4900**	**2200**	**310**	**320**	**170**	**150**	**76**	**73**	**59**	**71**	**1200**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**1300**	**1000**	**180**	**180**	**120**	**96**	**36**	**39**	**28**	**31**	**570**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**1400** J	**760** J	**130**	**130**	**100**	**92**	**43**	**40**	**29**	**32**	**840** J
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**770**	**370**	**79**	**80**	**67**	**56**	**17**	**18**	**13**	**14**	**140**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**830** J	**460** J	**77**	**77** J	**70** J	**83**	**43**	**41**	**32**	**29**	**530** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**1200**	**670**	**140**	**160**	**120**	**130**	**18**	**18**	**12**	**16**	**110**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**1900** J	**1100** J	**220** J	**240** J	**240** J	**250**	**90**	**93**	**60**	**65**	**380** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	706-1	706-2-C	706-2	7124-1	7346-1	7500-1	7500-2	7530-1	7530-2	7727-1	7734-1
			Location ID	MidBlind_706-1	MidBlind_706-2-C	MidBlind_706-2	MidBlind_7124-1	MidBlind_7346-1	MidBlind_7500-1	MidBlind_7500-2	MidBlind_7530-1	MidBlind_7530-2	MidBlind_7727-1	MidBlind_7734-1
			Sample Date	11/13/2006	11/13/2006	11/13/2006	11/6/2006	11/6/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006
			Sample Depth (in)	0-1	1-6	1-6	0-1	0-1	0-1	1-6	0-1	1-6	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**13000**	**14000**	**17000**	**2600**	**15000**	**62000**	**53000**	**100** J	**100** J	**4100**	0
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**980**	**1200**	**1200**	**220**	**1400**	**7900**	**7400**	**7.5**	**7.1**	**330**	**3100**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**1500**	**1600**	**1900**	**320**	**1700**	**5200**	**4700**	**18**	**17**	**510**	**5800**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**590**	**760**	**730**	**150** J	**540** J	**5000**	**4800**	**5.4**	**5.6**	**170**	**1100**
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**24**	**28**	**33**	**8.8**	**34**	**150**	**130**	0.82 U	**0.43** J	**8.9**	**59**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**29**	**29**	**38**	**12**	**38**	**100**	**94**	**0.83** J	**0.78** J	**15**	**68**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**44**	**49**	**53**	**16**	**59**	**250**	**220**	**0.72** J	**0.72** J	**25**	**95**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**74**	**79**	**94**	**29**	**93**	**310**	**280**	**1.5** J	**1.5** J	**31**	**190**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**42**	**52**	**55**	**8.2**	**30**	**110**	**110**	**0.42** J	**0.42** J	**11**	**54**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**59**	**62**	**75**	**22**	**61**	**180**	**160**	**1.2** J	**1.2** J	**28**	**130**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	1.1 U	1.7 U	1.7 U	**1.5** J	**4.2**	**6.9**	**10**	0.26 U	0.36 U	0.8 U	1.9 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**24**	**24**	**30**	**19**	**49**	**130**	**120**	**0.76** J	**1** J	**16**	**57**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**18**	**17**	**16**	**6.2**	**19**	**61**	**59**	**0.3** J	**0.24** J	**19**	**42**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**31**	**38**	**43**	**6.8**	**20**	**86**	**77**	**0.51** J	**0.61** J	**7.9**	**46**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**22**	**24**	**23**	**7.5**	**22**	**83**	**78**	0.42 U	**0.54** J	**19**	**46**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**24**	**30**	**28**	**34**	**140**	**270**	**270**	**0.74**	**0.88**	**29**	**150**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**23**	**23**	**20**	**7.3**	**20**	**85**	**77**	**0.42** J	**0.26** J	**41**	**63**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**110**	**120**	**130**	**71**	**250**	**670**	**630**	**2.4**	**2.9**	**75**	**380**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**3000**	**3100**	**3700**	**590**	**3200**	**9500**	**8600**	**36**	**33**	**880**	**11000**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**1200**	**1600**	**1600**	**300**	**1400**	**10000**	**9900**	**9.3**	**10**	**380**	**3000**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**700**	**700**	**870**	**260**	**790**	**2400**	**2200**	**15**	**11**	**290**	**1400**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**920** J	**1100** J	**1200** J	**160** J	**620** J	**3100** J	**2900** J	**6.7**	**6.3**	**200**	**1400** J
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**180**	**170**	**220**	**160**	**410**	**1100**	**1000**	**6.1**	**5.5**	**120**	**360**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**580** J	**710** J	**710** J	**150**	**510** J	**1200** J	**1100** J	**3.2**	**5.9**	**180**	**1100** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**150**	**170**	**180**	**320**	**710**	**1600**	**1500**	**6.6**	**5**	**160**	**480**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**490** J	**510** J	**560** J	**520** J	**1400** J	**2500** J	**2300** J	**13**	**12**	**330**	**810** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	7734-2-M	7759-1-D	7759-1	7780-1	7886-1-D	7886-1-M	8046-1-D	8046-1	8046-2-D	8046-2	8090-1
			Location ID	MidBlind_7734-2-M	MidBlind_7759-1-D	MidBlind_7759-1	MidBlind_7780-1	MidBlind_7886-1-D	MidBlind_7886-1-M	MidBlind_8046-1-D	MidBlind_8046-1	MidBlind_8046-2-D	MidBlind_8046-2	MidBlind_8090-1
			Sample Date	11/13/2006	10/23/2006	10/23/2006	11/6/2006	11/6/2006	11/6/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/23/2006
			Sample Depth (in)	1-6	0-1	0-1	0-1	0-1	0-1	0-1	0-1	1-6	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**35000**	**16000** J	**17000** J	**4400**	**1500**	**1400**	**5100** J	**5300** J	**5000** J	**5200** J	**1800** J
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**2200**	**1100** J	**1300** J	**400**	**130**	**140**	**360**	**330**	**350**	**340**	**110** J
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**3300**	**1700** J	**1900** J	**560**	**210**	**180**	**500**	**530**	**520**	**550**	**200** J
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**920** J	**350** J	**420** J	**250** J	**100** J	**100** J	**170**	**180**	**210**	**190**	**57** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**48**	**21**	**26**	**13**	**8.7** J	**5** J	**7.3**	**7.8**	**8.1**	**7.9**	**3.9**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**46**	**20** J	**30** J	**9.6**	**7.1**	**5.1**	**8.7**	**8.6**	**9.6**	**9**	**4.3**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**86**	**28** J	**40** J	**18**	**19** J	**13** J	**14**	**15**	**15**	**15**	**6.1**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**140**	**69**	**86**	**30**	**17**	**13**	**21**	**23**	**24**	**22**	**11**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**49**	**14** D	**23** J	**9**	**7.2**	**5.5**	**6.3**	**6.8**	**7.7**	**7.1**	**3.1**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**80**	**46**	**61**	**20**	**14** J	**9.4** J	**15**	**16**	**17**	**16**	**7.6**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**3**	3 U	4.4 U	0.76 U	**1.7** J	0.47 U	0.86 U	0.56 U	0.84 U	0.84 U	1.1 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**45**	**27**	**38**	**8.4**	**9.9** J	**6.5** J	**9.9**	**11**	**12**	**11**	**5.3**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**41**	**12** J	**17** J	**4**	**9**	**8.2**	**5.6**	**5.7**	**6.4**	**7.6**	**2.6**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**37**	**10** J	**17** J	**5.7**	**4.8**	**4.2**	**5.6**	**5.9**	**6**	**6**	**2.7** J
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**42**	**15**	**21**	**4.3**	**7.6**	**7**	**6.8**	**7**	**7.6**	**9**	**3.3**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**130**	**87**	**100**	**13**	**19**	**19**	**15**	**16**	**18**	**23**	**9.2**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**60**	**21**	**29**	**3.1**	**12**	**13**	**8.1**	**8.1**	**8.9**	**10**	**3.7**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**290**	**170**	**210**	**42**	**43**	**37**	**43**	**46**	**50**	**54**	**22**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**6500**	**3100**	**3400**	**880**	**380**	**320**	**930**	**980**	**980**	**1000**	**400**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**2300**	**960**	**1100**	**630**	**210**	**210**	**380**	**410**	**440**	**430**	**140**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**1100**	**520**	**710**	**200**	**160**	**120**	**210**	**210**	**220**	**210**	**89**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**1300** J	**300** J	**420**	**270**	**130**	**110**	**150**	**170**	**180**	**170**	**63**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**340**	**190**	**270**	**80**	**87**	**60**	**73**	**77**	**85**	**78**	**43**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**890** J	**180** J	**270** J	**87**	**99** J	**90** J	**100** J	**110** J	**120** J	**110** J	**45**
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**480**	**300**	**450**	**96**	**94**	**89**	**110**	**110**	**130**	**130**	**56**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**940** J	**400** J	**470** J	**140** J	**200** J	**210** J	**220** J	**220** J	**250**	**240** J	**130**

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	816-1	8193-1	8196-1-D	8196-1-M	8196-2-D	8196-2	8275-1-C	8275-1	8282-1	8282-2	8302-1-D
			Location ID	MidBlind_816-1	MidBlind_8193-1	MidBlind_8196-1-D	MidBlind_8196-1-M	MidBlind_8196-2-D	MidBlind_8196-2	MidBlind_8275-1-C	MidBlind_8275-1	MidBlind_8282-1	MidBlind_8282-2	MidBlind_8302-1-D
			Sample Date	11/6/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/23/2006	10/23/2006	10/30/2006	10/30/2006	11/6/2006
			Sample Depth (in)	0-1	0-1	0-1	0-1	1-6	1-6	0-1	0-1	0-1	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**12000**	**8400**	**18000**	**17000**	**20000**	**18000**	**2800** J	**3700** J	**8700** J	**4500** J	**3600**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**940**	**610**	**3100**	**3300**	**3800**	**4000**	**270** J	**400** J	**980**	**390**	**320**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**1100**	**1000**	**2500**	**2200**	**2300**	**2300**	**290** J	**400** J	**910**	**470**	**320**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**400** J	**410**	**2400**	**2600**	**3000**	**3000** J	**170** J	**260** J	**400**	**210**	**120** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**17**	**18**	**280** J	**270** J	**200** J	**290** J	**9.3**	**14**	**17**	**9.7**	**4.5**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**15**	**30**	**130** J	**43** J	**36**	**41**	**8.2**	**11**	**13**	**7.6**	**5**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**24**	**34**	**550**	**570**	**530**	**600**	**25**	**36**	**19**	**11**	**6**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**43**	**76**	**360** J	**210** J	**200**	**210**	**25**	**35**	**38**	**20**	**13**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**10**	**21**	**270** J	**160** J	**130** J	**160** J	**12**	**18**	**10**	**5.5**	**2.9**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**30**	**56**	**180** J	**89** J	**84**	**92**	**18**	**21**	**25**	**14**	**9.7**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	1.4 U	1.5 U	**150** J	**26** J	**19**	**25**	1.8 U	3 U	1.4 U	0.67 U	**1.4** J
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**36**	**46**	**130** J	**45** J	**37**	**40**	**12**	**17**	**22**	**14**	**6.2**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**8**	**14**	**240** J	**150** J	**180**	**140**	**18**	**24**	**3.5**	**1.9** J	**1.6** J
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**9.6**	**17**	**150** J	**64** J	**50**	**68**	**8.7** J	**14** J	**5.6**	**3.9**	**2.5**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**9**	**18**	**210** J	**120** J	**140**	**120**	**16**	**23**	**6.3**	**3.3**	**2.1** J
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**84**	**130**	**46** J	**32** J	**26**	**24**	**19**	**31**	**27**	**14**	**7.7**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**9.3**	**22**	**180**	**180**	**220**	**160**	**28**	**38**	**4**	**2.1**	**1.7**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**160**	**220**	**500**	**310**	**300**	**300**	**55**	**81**	**78**	**43**	**24**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**2000**	**1800**	**5000**	**4000**	**4000**	**4300**	**550**	**740**	**1700**	**890**	**570**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**980**	**850**	**5000**	**5500** J	**6100**	**6400** J	**350**	**560**	**950**	**480**	**270**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**360**	**730**	**2200**	**1700**	**1500**	**1700**	**220**	**290**	**290**	**160**	**100**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**330** J	**430**	**2500** J	**2600** J	**2200** J	**2600** J	**220**	**400**	**290**	**150**	**77**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**170**	**430**	**450**	**530**	**400**	**460**	**110**	**180**	**130**	**73**	**38**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**190** J	**390** J	**1400** J	**1100** J	**1100** J	**1000** J	**220** J	**460** J	**110**	**53**	**36** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**300**	**840**	**370**	**430**	**410**	**350**	**170**	**330**	**170**	**85**	**45**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**440** J	**1500**	**770** J	**800** J	**900** J	**680** J	**380**	**760** J	**260**	**130**	**98** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	8302-1	8314-1	8314-2	8463-1	8520-1	8532-1	8664-1-D	8664-1-M	8689-1	8734-1-C	8734-1
			Location ID	MidBlind_8302-1	MidBlind_8314-1	MidBlind_8314-2	MidBlind_8463-1	MidBlind_8520-1	MidBlind_8532-1	MidBlind_8664-1-D	MidBlind_8664-1-M	MidBlind_8689-1	MidBlind_8734-1-C	MidBlind_8734-1
			Sample Date	11/6/2006	11/13/2006	11/13/2006	10/30/2006	11/6/2006	10/30/2006	10/23/2006	10/23/2006	10/30/2006	11/6/2006	11/6/2006
			Sample Depth (in)	0-1	0-1	1-6	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**3000**	**10000**	**12000**	**6100** J	**2900**	**27000**	**3600** J	**4400** J	**3000** J	**6400**	**5500**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**240**	**1300**	**1600**	**240**	**290**	**3300**	**290** J	**280** J	**300**	**560**	**480**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**300**	**920**	**1100**	**460**	**290**	**2700**	**450** J	**470** J	**290**	**630**	**530**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**130** J	**930**	**1200**	**96**	**170** J	**2500**	**180** J	**190** J	**220**	**300** J	**360** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**4.6**	**24**	**30**	**6.4**	**8.6**	**63**	**10**	**9.9**	**7.6**	**14**	**10**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**5.2**	**16**	**19**	**9.1**	**6.2**	**68**	**13**	**13**	**7.5**	**12**	**9.4**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**6.3**	**38**	**46**	**11** J	**21**	**110**	**20**	**21**	**13**	**18**	**23**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**12**	**47**	**58**	**20**	**17**	**200**	**34**	**28**	**19**	**28**	**26**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**3.1**	**19**	**24**	**4.5** J	**7.9**	**57**	**11**	**11**	**6**	**9.2**	**9.8**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**9**	**31**	**38**	**17**	**11**	**130**	**21**	**20**	**13**	**22**	**19**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**1.8** J	1.4 U	**11**	**2.1** J	0.95 U	**8.9**	1.6 U	1.7 U	0.94 U	2 U	2.1 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**6.2**	**18**	**22**	**7.5**	**7.7**	**97**	**18**	**16**	**9.8**	**15**	**12**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**1.8** J	**11**	**13**	**3.8**	**14**	**43**	**12**	**11**	**4.9**	**5.6**	**14**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**2.6**	**17**	**19**	**3.4**	**5.2**	**45**	**7.8** J	**8** J	**4.5**	**6.9**	**7.1**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**2.3** J	**14**	**17**	**3.1**	**11**	**54**	**13**	**12**	**5**	**5.8**	**11**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**7.6**	**43**	**44**	**9.5**	**29**	**170**	**46**	**42**	**20**	**21**	**11**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**1.8**	**14**	**17**	**4.2**	**22**	**61**	**20**	**16** J	**5.7**	**7.5**	**18**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**24**	**110**	**120**	**33**	**55**	**410**	**89**	**83**	**44**	**60**	**49**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**530**	**1600**	**2000**	**880**	**530**	**5000**	**820**	**880**	**510**	**1200**	**990**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**280**	**1900**	**2400**	**200**	**370**	**5000**	**380**	**390**	**430**	**640**	**710**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**100**	**380**	**440**	**190**	**140**	**1600**	**270**	**260**	**160**	**260**	**220**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**84**	**540**	**670**	**99**	**170**	**1400** J	**200**	**200**	**140**	**230**	**280**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**38**	**150**	**180**	**53**	**66**	**820**	**160**	**150**	**75**	**86**	**85**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**38** J	**280** J	**350** J	**55** J	**130** J	**750** J	**180** J	**170** J	**77** J	**110** J	**170** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**44**	**220**	**260**	**60**	**130**	**1100**	**310**	**290**	**110**	**100**	**99**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**87** J	**350** J	**430** J	**130** J	**250** J	**1900** J	**640** J	**660** J	**230** J	**180** J	**220** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	876-1	876-2	8820-1-C	8820-1-D	8820-1	8927-1	9084-1	9144-1	923-1	9278-1	9339-1-C
			Location ID	MidBlind_876-1	MidBlind_876-2	MidBlind_8820-1-C	MidBlind_8820-1-D	MidBlind_8820-1	MidBlind_8927-1	MidBlind_9084-1	MidBlind_9144-1	MidBlind_923-1	MidBlind_9278-1	MidBlind_9339-1-C
			Sample Date	11/13/2006	11/13/2006	11/6/2006	11/6/2006	11/6/2006	10/30/2006	10/23/2006	10/30/2006	11/6/2006	11/6/2006	11/6/2006
			Sample Depth (in)	0-1	1-6	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**120000**	**92000**	**16000**	**20000**	**18000**	**13000**	**19000** J	**9500** J	**3900**	**27000**	**5600**
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**5300**	**4600**	**1600**	**1900**	**1700**	**1100**	**2000** J	**1300**	**330**	**4100**	**400**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**9100**	**7400**	**1700**	**2200**	**1900**	**1400**	**1700** J	**990**	**410**	**2900**	**530**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**3800**	**3300**	**1200**	**1400**	**1300**	**720**	**1400** J	**710**	**210** J	**2700**	**200** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**350**	**310**	**47**	**54**	**54**	**33**	**44**	**25**	**9.7**	**81**	**7.8**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**130**	**100**	**42**	**52**	**50**	**36**	**42**	**21**	**7.7**	**78**	**7.8**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**440**	**390**	**120**	**130**	**120**	**77**	**87**	**39**	**20**	**150**	**11**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**480**	**410**	**130**	**150**	**140**	**87**	**110**	**61**	**23**	**190**	**20**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**240**	**200**	**52**	**50**	**53**	**36**	**39** D	**22**	**8.8**	**69**	**5.6**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**300**	**260**	**73**	**94**	**86**	**59**	**71**	**38**	**16**	**130**	**15**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**18**	**17**	**6.3**	**8.6**	**7.5**	**5.2**	**4.4**	**3.4**	0.79 U	**16**	0.79 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**98**	**81**	**50**	**63**	**56**	**47**	**57**	**29**	**12**	**96**	**13**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**54**	**43**	**71**	**72**	**65**	**51**	**38**	**11**	**11**	**49**	**3.2**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**160**	**130**	**33**	**35**	**35**	**26**	**25** J	**19**	**6.6**	**55**	**4.2**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**120**	**100**	**56**	**59**	**56**	**51**	**43**	**17**	**9.9**	**58**	**3.7**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**75**	**55**	**120**	**160**	**130**	**110**	**120**	**47**	**32**	**190**	**15**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**44**	**35**	**95**	**96**	**98**	**91**	**56**	**14**	**13**	**54**	**3.1**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**560**	**460**	**280**	**340**	**300**	**240**	**270**	**120**	**64**	**440**	**45**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**17000**	**14000**	**3100**	**4000**	**3600**	**2600**	**3200**	**1800**	**740**	**5200**	**980**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**8200**	**6900**	**2600**	**2900**	**2800**	**1700**	**2600**	**1600**	**430**	**5600**	**430**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**3700**	**3000**	**1000**	**1200**	**1200**	**770**	**1000**	**500**	**190**	**1600**	**170**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**4400** J	**3600** J	**1200**	**1300**	**1200**	**830** J	**930** J	**650**	**200** J	**1800** J	**160** J
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**720**	**620**	**450**	**560**	**490**	**420**	**480**	**220**	**95**	**890**	**70**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**2300** J	**1800** J	**750** J	**860** J	**850** J	**630** J	**580** J	**450** J	**150** J	**1100** J	**72**
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**420**	**380**	**740**	**930**	**870**	**640**	**620**	**330**	**190**	**1400**	**98**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**780** J	**710** J	**1500** J	**1800** J	**1800** J	**1600** J	**1200** J	**750** J	**280** J	**2200** J	**170** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	9339-1	9386-1	9386-2	9482-1	9496-1	9496-2	9507-1	9532-1	9645-1-C	9645-1	9645-2-C
			Location ID	MidBlind_9339-1	MidBlind_9386-1	MidBlind_9386-2	MidBlind_9482-1	MidBlind_9496-1	MidBlind_9496-2	MidBlind_9507-1	MidBlind_9532-1	MidBlind_9645-1-C	MidBlind_9645-1	MidBlind_9645-2-C
			Sample Date	11/6/2006	10/30/2006	10/30/2006	11/6/2006	11/13/2006	11/13/2006	11/6/2006	11/6/2006	11/13/2006	11/13/2006	11/13/2006
			Sample Depth (in)	0-1	0-1	1-6	0-1	0-1	1-6	0-1	0-1	0-1	0-1	1-6
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**12000**	**42000**	**38000**	**9000**	**3300**	**3000**	**8100**	**15000**	**1000**	**1300**	**1800** J
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**1300**	**4300**	**3300**	**790**	**270**	**240**	**910**	**2000**	**99**	**97**	**180**
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**990**	**4200**	**3700**	**950**	**380**	**330**	**930**	**1600**	**99**	**130**	**180** J
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**850** J	**2100**	**1900**	**460** J	**140**	**130**	**680**	**1100**	**65**	**55**	**120** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**27**	**98**	**92**	**22**	**6.3**	**5.7**	**24**	**41**	**2.3** J	**2.3** J	**3.7**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**23**	**69**	**51**	**20**	**7.4**	**6.7**	**24**	**34**	**2.4** J	**2.6**	**4.2** J
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**47**	**150**	**130**	**39**	**9.6**	**8.8**	**57**	**68**	**3.4**	**3.1**	**6** J
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**64**	**220**	**180**	**52**	**16**	**14**	**58**	**81**	**6.2**	**6.6**	**12** J
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**22**	**84** J	**71**	**19**	**4.6**	**4.3**	**27**	**27**	**2.1** J	**1.7** J	**3.5**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**41**	**140**	**110**	**34**	**14**	**12**	**39**	**59**	**4.4**	**4.8**	**7.6** J
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	1.7 U	9.4 U	4.4 U	**2.4** J	0.87 U	1.1 U	**3.7**	**6.7**	**1** J	**1** J	**1.8** J
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**36**	**74**	**51**	**27**	**5.9**	**5**	**28**	**46**	**3.6**	**3.2**	**6.4** J
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**18**	**30**	**22**	**17**	**2.8**	**2.7**	**32**	**19**	**1.2** J	**0.97** J	**2.3** J
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**24**	**54**	**40**	**14**	**3.3**	**3**	**18**	**25**	**2.2** J	**2.3** J	**3.4**
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**19**	**38**	**32**	**18**	**3.2**	**3**	**32**	**23**	**2.4** J	**2.2** J	**3.1** J
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**68**	**65**	**47**	**65**	**3.3**	**3.3**	**70**	**110**	**7**	**5**	**13** J
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**21**	**31**	**19**	**23**	**3.5**	**3.6**	**54**	**19**	**1.8**	**1.5**	**2.8** J
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**160**	**300**	**240**	**130**	**22**	**20**	**160**	**230**	**16**	**13**	**28**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**1800**	**8200**	**7000**	**1700**	**700**	**620**	**1800**	**2700**	**180**	**230**	**320**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**1700**	**5000**	**4500**	**1000**	**320**	**290**	**1400**	**2400**	**130**	**110**	**230**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**530**	**1700**	**1300**	**430**	**160**	**140**	**500**	**710**	**57**	**61**	**110**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**550**	**2100** J	**1700**	**420**	**110** J	**100** J	**630** J	**750** J	**45**	**40**	**79**
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**320**	**510**	**380**	**220**	**60**	**55**	**290**	**330**	**31**	**25**	**55**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**280** J	**890** J	**690** J	**300** J	**51** J	**48** J	**430** J	**380** J	**29**	**28**	**52**
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**460**	**620**	**430**	**390**	**27**	**30**	**440**	**430**	**57**	**39**	**89**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**890** J	**720** J	**460** J	**700** J	**45** J	**46** J	**1000** J	**750** J	**73**	**58**	**130**

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE C-2, part 2 of 2
Dioxin and Furan Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	9645-2	9672-1-D	9672-1	9672-2-D	9672-2	9712-1	9712-2	9812-1	9947-1	9961-1	9974-1
			Location ID	MidBlind_9645-2	MidBlind_9672-1-D	MidBlind_9672-1	MidBlind_9672-2-D	MidBlind_9672-2	MidBlind_9712-1	MidBlind_9712-2	MidBlind_9812-1	MidBlind_9947-1	MidBlind_9961-1	MidBlind_9974-1
			Sample Date	11/13/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/6/2006	10/23/2006	11/6/2006	10/23/2006
			Sample Depth (in)	1-6	0-1	0-1	1-6	1-6	0-1	1-6	0-1	0-1	0-1	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**	**SL**											
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**1200** J	**95000**	**95000**	**6400** J	**6400** J	**25000**	**27000**	**940**	**8100** J	**4000**	**7200** J
DIOXIN	1,2,3,4,6,7,8,9-OCTACHLORODIBENZOFURAN	ng/kg	--	**130**	**10000**	**9400**	**930**	**820**	**2300**	**2800**	**87**	**750** J	**390**	**440** J
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**120** J	**11000**	**11000**	**660**	**690**	**2100**	**2400**	**140**	**780** J	**470**	**710** J
DIOXIN	1,2,3,4,6,7,8-HEPTACHLORODIBENZOFURAN	ng/kg	--	**75** J	**4200**	**4500**	**490**	**410**	**1100**	**1200**	**69** J	**470** J	**170** J	**190** J
DIOXIN	1,2,3,4,7,8,9-HEPTACHLORODIBENZOFURAN	ng/kg	--	**2.9**	**210**	**250**	**17**	**16**	**42**	**47**	**2.8**	**17**	**9.5**	**8.8**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**2.8** J	**190**	**210**	**13**	**14**	**34**	**35**	**2.9**	**19**	**13**	**10**
DIOXIN	1,2,3,4,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**4** J	**330**	**430**	**23**	**25**	**57**	**62**	**4.2**	**40**	**16**	**11**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**7.4** J	**460**	**480**	**34**	**34**	**95**	**110**	**6.6**	**51**	**30**	**27**
DIOXIN	1,2,3,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**2.5** J	**140** J	**170** J	**12**	**12**	**37**	**38**	**3.7**	**18**	**9.2**	**6.1**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZO-P-DIOXIN	ng/kg	--	**5** J	**320**	**370**	**22**	**24**	**62**	**70**	**6**	**34**	**24**	**19**
DIOXIN	1,2,3,7,8,9-HEXACHLORODIBENZOFURAN	ng/kg	--	**0.96** J	**13**	**14**	1.1 U	1.1 U	**3.1**	2.9 U	**0.87** J	**2.2** J	**1.8** J	0.87 U
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZO-P-DIOXIN	ng/kg	--	**4** J	**220**	**230**	**13**	**17**	**34**	**37**	**2.3** J	**40**	**16**	**34**
DIOXIN	1,2,3,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**1.6** J	**83**	**110**	**5.5**	**6.1**	**13**	**14**	**1.5**	**20**	**7.1**	**3**
DIOXIN	2,3,4,6,7,8-HEXACHLORODIBENZOFURAN	ng/kg	--	**2.5** J	**100**	**110**	**9.8**	**11**	**30**	**29**	**3.8**	**12** J	**6.9**	**5.2** J
DIOXIN	2,3,4,7,8-PENTACHLORODIBENZOFURAN	ng/kg	--	**1.9** J	**83**	**100**	**8**	**8.8**	**20**	**21**	**1.6**	**23**	**7.9**	**4.7**
DIOXIN	2,3,7,8-TETRACHLORODIBENZO-P-DIOXIN	ng/kg	--	**6.9** J	**290**	**300**	**19** J	**28** J	**62**	**160**	**1.7**	**75**	**39**	**53**
DIOXIN	2,3,7,8-TETRACHLORODIBENZOFURAN	ng/kg	--	**1.3** J	**97**	**110**	**5.7**	**6.4**	**14**	**19**	**1.6**	**28**	**9.1**	**3.8**
DIOXIN	2005 WHO Mammalian TEQ	ng/kg	90	**17**	**880**	**950**	**60**	**73**	**170**	**290**	**10**	**160**	**75**	**110**
DIOXIN	TOTAL HEPTACHLORO-DIBENZODIOXIN	ng/kg	--	**210**	**20000**	**21000**	**1200**	**1300**	**3700**	**4300**	**260**	**1400**	**860**	**1400**
DIOXIN	TOTAL HEPTACHLORO-DIBENZOFURAN	ng/kg	--	**160**	**11000**	**11000**	**1100**	**950**	**2600**	**3000**	**130** J	**930**	**380**	**450**
DIOXIN	TOTAL HEXACHLORO-DIBENZODIOXIN	ng/kg	--	**66**	**3900**	**4400**	**320**	**310**	**750**	**850**	**74**	**490**	**250**	**250**
DIOXIN	TOTAL HEXACHLORO-DIBENZOFURAN	ng/kg	--	**53**	**3600** J	**4100** J	**340**	**340**	**900** J	**960** J	**80**	**380**	**180**	**160** J
DIOXIN	TOTAL PENTACHLORO-DIBENZODIOXIN	ng/kg	--	**31**	**1200**	**1300**	**120**	**120**	**290**	**340**	**20**	**270**	**140**	**120**
DIOXIN	TOTAL PENTACHLORO-DIBENZOFURAN	ng/kg	--	**37**	**2100** J	**2400** J	**180** J	**280** J	**470** J	**490** J	**41**	**290** J	**150** J	**79** J
DIOXIN	TOTAL TETRACHLORO-DIBENZODIOXIN	ng/kg	--	**55**	**1400**	**1500**	**140**	**160**	**370**	**500**	**13**	**400**	**240**	**170**
DIOXIN	TOTAL TETRACHLORO-DIBENZOFURAN	ng/kg	--	**75**	**2200** J	**2500** J	**220** J	**280** J	**570** J	**630** J	**32** J	**750** J	**430** J	**250**

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
D = Analyzed at a secondary dilution factor
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

Appendix D
Additional Chemical Summary Statistics and Analytical Results

TABLE D-1
Additional Chemicals Summary Statistics
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Analyte	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL[b]	No. of Detected Results Exceeding SL	No. of Nondetected Results Exceeding SL
GENERAL CHEMISTRY																
CYANIDE, TOTAL	µg/kg	68	82	0.83	0.0066	0.0358	12.2	1,350	153	79.3	220	1.43	194	100	32	--
TOTAL ORGANIC CARBON	mg/kg	77	82	0.94	73	73	2,310	64,000	21,278	20,200	13,856	0.65	23,824	--	--	--
SULFIDE	mg/kg	4	82	0.05	86	226	103	265	53.8	96	27.6	0.51	58.9	--	--	--
HERBICIDES																
2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/kg	11	82	0.13	1.76	4.61	8.39	83.8	5.59	2.00	15.1	2.70	8.36	1,400	--	--
2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/kg	1	82	0.01	2.13	5.58	24	24	1.50	2.39	2.52	1.68	1.97	--	--	--
SILVEX (2,4,5-TP)	µg/kg	--	82	0.00	1.85	4.86	--	--	1.07	2.08	0.17	0.16	1.10	2,200	--	--
METALS																
CHROMIUM, TOTAL	µg/kg	82	82	1.00	--	--	783	46,700	8,148	6,350	6,785	0.83	9,395	3,300	77	--
COBALT	µg/kg	82	82	1.00	--	--	402	7,420	2,444	2,230	1,302	0.53	2,683	800	76	--
ARSENIC	µg/kg	77	82	0.94	183	370	195	13,100	4,225	3,490	3,169	0.75	4,807	4,600	29	--
SELENIUM	µg/kg	5	82	0.06	456	1180	918	6,850	495	510	1,069	2.16	691	410	5	77
SILVER	µg/kg	6	82	0.07	50.8	132	77.7	1,680	76.6	57.0	231	3.01	119	1,000	2	--
LEAD	µg/kg	82	82	1.00	--	--	3,360	666,000	39,163	19,350	79,248	2.02	53,727	400,000	1	--
MERCURY	µg/kg	71	82	0.87	3.89	4.27	8.64	168	42.6	36.4	30.4	0.71	48.2	130	1	--
ANTIMONY	µg/kg	16	82	0.20	208	1040	248	4,530	515	236	952	1.85	690	4,300	1	--
BARIUM	µg/kg	82	82	1.00	--	--	7,750	100,000	36,897	34,850	17,990	0.49	40,203	1,300,000	--	--
COPPER	µg/kg	82	82	1.00	--	--	2,840	54,900	16,472	14,900	10,139	0.62	18,335	5,800,000	--	--
NICKEL	µg/kg	82	82	1.00	--	--	1,620	19,400	7,205	6,710	3,397	0.47	7,829	100,000	--	--
VANADIUM	µg/kg	82	82	1.00	--	--	2,250	25,100	11,094	10,700	4,694	0.42	11,956	72,000	--	--
BERYLLIUM	µg/kg	79	82	0.96	13.2	35	54.1	1,110	278	249	172	0.62	309	51,000	--	--
ZINC	µg/kg	52	82	0.63	55.8	276	7,430	190,000	37,763	29,650	46,563	1.23	46,321	2,400,000	--	--
CADMIUM	µg/kg	48	82	0.59	13.7	72.9	32.6	856	121	86.7	139	1.15	146	6,000	--	--
TIN	µg/kg	13	82	0.16	484	2,610	532	158,000	2,763	559	17,668	6.39	6,010	--	--	--
THALLIUM	µg/kg	--	82	0.00	183	990	--	--	122	205	72.4	0.59	136	2,300	--	--
PCBs																
PCB-1262 (AROCLOR 1262)	µg/kg	3	82	0.04	7.59	409	98.7	973	28.8	8.86	116	4.02	50.1	--	--	--
PCB-1260 (AROCLOR 1260)	µg/kg	2	82	0.02	5.76	310	60.4	77.3	10.4	6.72	21.3	2.05	14.3	--	--	--
PCB-1248 (AROCLOR 1248)	µg/kg	1	82	0.01	8.3	447	433	433	17.9	9.62	54.0	3.02	27.8	--	--	--
PCB-1268 (AROCLOR 1268)	µg/kg	1	82	0.01	10.3	553	81.3	81.3	16.5	11.9	34.8	2.11	22.9	--	--	--
PCB-1016 (AROCLOR 1016)	µg/kg	--	82	0.00	5.71	307	--	--	8.68	6.56	18.9	2.18	12.2	--	--	--
PCB-1221 (AROCLOR 1221)	µg/kg	--	82	0.00	9.75	525	--	--	14.8	11.2	32.4	2.18	20.8	--	--	--
PCB-1232 (AROCLOR 1232)	µg/kg	--	82	0.00	10.7	575	--	--	16.2	12.3	35.4	2.18	22.8	--	--	--
PCB-1242 (AROCLOR 1242)	µg/kg	--	82	0.00	12.5	672	--	--	19.0	14.4	41.4	2.18	26.6	--	--	--
PCB-1254 (AROCLOR 1254)	µg/kg	--	82	0.00	6.9	372	--	--	10.5	7.93	22.9	2.18	14.7	--	--	--
SUMMED PCB	µg/kg	82	82	1.00	--	--	38.755	2,085	143	45.6	285	1.99	195	3,000,000	--	--
PESTICIDES																
4,4'-DDE	µg/kg	56	82	0.68	0.829	4.48	0.985	1,190	70.7	4.41	205	2.90	108	45,000	--	--
4,4'-DDT	µg/kg	50	82	0.61	0.957	5.05	1.04	2,650	114	4.13	425	3.74	192	57,000	--	--
4,4'-DDD	µg/kg	43	82	0.52	0.631	3.33	0.904	610	20.1	1.18	80.5	4.00	34.9	95,000	--	--
HEPTACHLOR EPOXIDE	µg/kg	16	82	0.20	0.882	90.1	1.02	111	4.21	1.04	13.8	3.29	6.75	3,100	--	--
DIELDRIN	µg/kg	15	82	0.18	0.638	65.1	1.01	21.3	1.99	0.757	4.70	2.36	2.85	1,100	--	--
METHOXYCHLOR	µg/kg	11	82	0.13	1.06	109	2.94	19.3	3.21	1.26	7.25	2.26	4.54	16,000	--	--
CHLORDANE	µg/kg	8	82	0.10	0.851	86.8	2.49	327	18.9	0.994	68.1	3.61	31.4	31,000	--	--
ALPHA BHC	µg/kg	6	82	0.07	0.808	82.5	0.909	10.6	1.92	0.943	5.26	2.73	2.89	18	--	2
ENDOSULFAN SULFATE	µg/kg	6	82	0.07	0.777	78.2	3.13	46.6	3.43	0.887	8.88	2.59	5.07	--	--	--
ENDOSULFAN I	µg/kg	5	82	0.06	0.489	49.9	0.864	33.8	1.47	0.572	4.77	3.26	2.34	--	--	--
ENDOSULFAN II	µg/kg	14	82	0.17	0.544	54.3	0.787	8.44	1.76	0.629	3.76	2.14	2.45	--	--	--
SUM of ENDOSULFAN I and II	µg/kg	82	82	1.00	--	--	0.522	52.1	3.22	0.606	7.9	2.46	4.67	1,400,000	--	--
ALDRIN	µg/kg	4	82	0.05	0.638	65.1	0.799	3.04	1.39	0.748	4.07	2.94	2.13	1,000	--	--
BETA BHC	µg/kg	4	82	0.05	0.872	89	1.55	29.7	2.31	1.02	6.39	2.76	3.49	37	--	2
DELTA BHC	µg/kg	4	82	0.05	0.787	80.3	0.995	4.13	1.74	0.911	5.03	2.89	2.67	--	--	--

TABLE D-1
Additional Chemicals Summary Statistics
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Analyte	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL[b]	No. of Detected Results Exceeding SL	No. of Nondetected Results Exceeding SL
ENDRIN	µg/kg	3	82	0.04	0.776	79.2	9.36	22.3	2.13	0.905	5.62	2.64	3.17	65,000	--	--
ENDRIN ALDEHYDE	µg/kg	3	82	0.04	0.797	81.4	1.51	9.88	1.80	0.93	5.17	2.87	2.75	--	--	--
GAMMA BHC (LINDANE)	µg/kg	1	82	0.01	0.626	63	5.93	5.93	1.35	0.714	3.97	2.94	2.08	20	--	2
HEPTACHLOR	µg/kg	--	82	0.00	0.638	65.1	--	--	1.33	0.733	4.08	3.07	2.08	5,600	--	--
TOXAPHENE	µg/kg	--	82	0.00	9.96	1,020	--	--	20.8	11.5	63.8	3.07	32.5	860	--	1
SEMIVOLATILE ORGANICS																
PENTACHLOROPHENOL	µg/kg	5	82	0.06	31	81.6	36.5	404	28.7	35.2	57.5	2.00	39.3	22	5	77
PHENANTHRENE	µg/kg	75	82	0.91	5.7	6.75	7.77	9,650	224	39.2	1,094	4.88	425	5,300	1	--
FLUORANTHENE	µg/kg	66	82	0.80	9.72	11.5	11.7	16,100	390	64	1,843	4.72	729	5,500	1	--
BENZO(A)PYRENE	µg/kg	51	82	0.62	8.68	10.6	9.21	5,930	163	26.2	681	4.18	288	2,000	1	--
Sum of 2,3,&4 Methylphenol	µg/kg	82	82	1.00	--	--	14	45.6	16.5	15.8	4.15	0.25	17.3	1,400	--	--
BENZO(B)FLUORANTHENE	µg/kg	78	82	0.95	6.99	7.33	27.4	7,140	229	71.6	815	3.57	379	20,000	--	--
BENZO(G,H,I)PERYLENE	µg/kg	70	82	0.85	29.7	35	33.7	3,740	204	143	450	2.21	286	2,500,000	--	--
PYRENE	µg/kg	67	82	0.82	17.1	20.2	18.2	13,100	346	64.3	1,500	4.33	622	480,000	--	--
BENZO(K)FLUORANTHENE	µg/kg	60	82	0.73	9.5	11.7	12	2,340	85.2	38.3	268	3.15	135	200,000	--	--
CHRYSENE	µg/kg	49	82	0.60	11.6	16.5	17.3	6,370	182	32.6	740	4.07	318	2,000,000	--	--
BIS(2-ETHYLHEXYL) PHTHALATE	µg/kg	43	82	0.52	16.7	43.7	18.5	3,080	109	25.5	394	3.62	181	2,800,000	--	--
INDENO(1,2,3-C,D)PYRENE	µg/kg	42	82	0.51	25.2	35.7	28.3	4,790	181	33.6	602	3.32	292	20,000	--	--
ANTHRACENE	µg/kg	36	82	0.44	5.25	7.77	8.21	810	28.0	6.5	102	3.64	46.8	41,000	--	--
2-METHYLNAPHTHALENE	µg/kg	20	82	0.24	7.53	24.5	8.31	259	11.2	8.76	29.5	2.64	16.6	57,000	--	--
DIBENZ(A,H)ANTHRACENE	µg/kg	19	82	0.23	32.9	48.3	38.4	1,230	54.3	38.2	150	2.76	81.9	2,000	--	--
DI-N-BUTYL PHTHALATE	µg/kg	15	82	0.18	7.02	22.9	8.26	59.4	7.21	8.08	9.08	1.26	8.88	11,000	--	--
BENZYL BUTYL PHTHALATE	µg/kg	12	82	0.15	8.04	21.2	9.59	630	16.0	9.21	70.0	4.36	28.9	26,000	--	--
NAPHTHALENE	µg/kg	12	82	0.15	27.9	91	37.6	514	37.9	32.0	78.4	2.07	52.3	870	--	--
BENZO(A)ANTHRACENE	µg/kg	10	82	0.12	6.23	16.3	73.3	5,360	113	7.07	619	5.45	227	20,000	--	--
FLUORENE	µg/kg	10	82	0.12	5.92	8.7	9.33	379	12.3	6.73	45.7	3.72	20.7	5,300	--	--
DIBENZOFURAN	µg/kg	9	82	0.11	4.49	6.65	8.47	132	6.28	5.1	16.4	2.61	9.30	1,700	--	--
2,3,4,6-TETRACHLOROPHENOL	µg/kg	6	82	0.07	14.3	46.5	16	450	20.0	16.2	67.4	3.37	32.4	--	--	--
ACENAPHTHENE	µg/kg	4	82	0.05	7.59	19.8	13.5	234	8.17	8.53	25.9	3.17	12.9	4,400	--	--
ACENAPHTHYLENE	µg/kg	4	82	0.05	7.62	11.3	30.8	847	17.2	8.61	94.0	5.48	34.4	5,900	--	--
HEXACHLOROBENZENE	µg/kg	3	82	0.04	10.2	33.1	12.6	193	8.96	11.5	21.3	2.38	12.9	350	--	--
2,4,6-TRICHLOROPHENOL	µg/kg	2	82	0.02	6.04	19.7	25.2	29.2	4.15	6.82	3.79	0.91	4.85	2,400	--	--
ACETOPHENONE	µg/kg	2	82	0.02	8.65	28.2	64.7	65.7	6.58	9.75	9.41	1.43	8.31	30,000	--	--
DIETHYL PHTHALATE	µg/kg	1	82	0.01	5.73	18.7	13.2	13.2	3.51	6.46	1.38	0.39	3.76	2,200	--	--
1,2,4,5-TETRACHLOROBENZENE	µg/kg	--	82	0.00	8.41	27.4	--	--	4.96	9.46	1.25	0.25	5.19	3,400	--	--
1,2-DICHLOROBENZENE	µg/kg	--	82	0.00	52.4	171	--	--	30.9	58.9	7.78	0.25	32.3	360	--	--
1,3-DICHLOROBENZENE	µg/kg	--	82	0.00	54.6	178	--	--	32.2	61.4	8.11	0.25	33.7	170	--	1
1,3-DINITROBENZENE	µg/kg	--	82	0.00	7.81	25.4	--	--	4.61	8.79	1.16	0.25	4.82	--	--	--
1,4-DICHLOROBENZENE	µg/kg	--	82	0.00	49.6	162	--	--	29.3	55.8	7.38	0.25	30.6	290	--	--
1,4-DIOXANE	µg/kg	--	82	0.00	349	1140	--	--	206	393	51.9	0.25	215	1,700	--	--
1,4-NAPHTHOQUINONE	µg/kg	--	82	0.00	11.8	38.6	--	--	6.99	13.3	1.76	0.25	7.31	--	--	--
1-NAPHTHYLAMINE	µg/kg	--	82	0.00	349	1,140	--	--	206	393	51.9	0.25	215	--	--	--
2,2'-OXYBIS(1-CHLOROPROPANE)	µg/kg	--	82	0.00	34.4	112	--	--	20.3	38.7	5.09	0.25	21.2	--	--	--
2,4,5-TRICHLOROPHENOL	µg/kg	--	82	0.00	7.91	25.8	--	--	4.67	8.91	1.17	0.25	4.88	39,000	--	--
2,4-DICHLOROPHENOL	µg/kg	--	82	0.00	26.2	85.5	--	--	15.5	29.5	3.89	0.25	16.2	380	--	--
2,4-DIMETHYLPHENOL	µg/kg	--	82	0.00	57.6	188	--	--	33.9	64.8	8.54	0.25	35.5	7,400	--	--
2,4-DINITROPHENOL	µg/kg	--	82	0.00	20.1	65.5	--	--	11.9	22.6	2.98	0.25	12.4	--	--	--
2,4-DINITROTOLUENE	µg/kg	--	82	0.00	28.5	92.7	--	--	16.8	32	4.22	0.25	17.6	430	--	--
2,6-DICHLOROPHENOL	µg/kg	--	82	0.00	14.1	45.8	--	--	8.30	15.8	2.08	0.25	8.68	--	--	--
2,6-DINITROTOLUENE	µg/kg	--	82	0.00	6.03	19.6	--	--	3.56	6.79	0.89	0.25	3.72	--	--	--
2-Acetylaminofluorene	µg/kg	--	82	0.00	13.6	44.5	--	--	8.05	15.35	2.02	0.25	8.42	--	--	--
2-CHLORONAPHTHALENE	µg/kg	--	82	0.00	25.6	83.4	--	--	15.1	28.8	3.79	0.25	15.8	620,000	--	--
2-CHLOROPHENOL	µg/kg	--	82	0.00	26.2	85.5	--	--	15.5	29.5	3.89	0.25	16.2	440	--	--

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2-METHYLPHENOL (O-CRESOL)	µg/kg	--	82	0.00	17.8	57.9	--	--	10.5	20	2.63	0.25	11.0	--	--	--
2-NAPHTHYLAMINE	µg/kg	--	82	0.00	349	1,140	--	--	206	393	51.9	0.25	215	--	--	--
2-NITROANILINE	µg/kg	--	82	0.00	7.99	26	--	--	4.71	8.99	1.18	0.25	4.93	--	--	--
2-NITROPHENOL	µg/kg	--	82	0.00	10.1	33.1	--	--	5.98	11.4	1.51	0.25	6.26	400	--	--
3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/kg	--	82	0.00	10.2	33.3	--	--	6.02	11.5	1.51	0.25	6.30	--	--	--
3,3'-DICHLOROBENZIDINE	µg/kg	--	82	0.00	59.2	193	--	--	34.9	66.7	8.78	0.25	36.6	2,000	--	--
3,3'-DIMETHYLBENZIDINE	µg/kg	--	82	0.00	349	1,140	--	--	206	393	51.9	0.25	215	--	--	--
3-METHYLCHOLANTHRENE	µg/kg	--	82	0.00	18.5	60.3	--	--	10.9	20.8	2.74	0.25	11.4	--	--	--
3-NITROANILINE	µg/kg	--	82	0.00	6.97	22.7	--	--	4.11	7.85	1.03	0.25	4.30	--	--	--
4,6-DINITRO-2-METHYLPHENOL	µg/kg	--	82	0.00	13.2	43.1	--	--	7.80	14.9	1.96	0.25	8.16	830	--	--
4-AMINOBIPHENYL	µg/kg	--	82	0.00	10	32.6	--	--	5.90	11.3	1.48	0.25	6.17	--	--	--
4-BROMOPHENYL PHENYL ETHER	µg/kg	--	82	0.00	13	42.4	--	--	7.67	14.6	1.93	0.25	8.03	--	--	--
4-CHLORO-3-METHYLPHENOL	µg/kg	--	82	0.00	10.5	34.2	--	--	6.19	11.8	1.55	0.25	6.48	280	--	--
4-CHLOROANILINE	µg/kg	--	82	0.00	43.2	141	--	--	25.5	48.6	6.43	0.25	26.6	--	--	--
4-CHLOROPHENYL PHENYL ETHER	µg/kg	--	82	0.00	4.92	16	--	--	2.90	5.54	0.73	0.25	3.03	--	--	--
4-NITROANILINE	µg/kg	--	82	0.00	40.8	133	--	--	24.1	46.0	6.04	0.25	25.2	--	--	--
4-NITROPHENOL	µg/kg	--	82	0.00	8.74	28.5	--	--	5.15	9.83	1.30	0.25	5.39	--	--	--
4-NITROQUINOLINE-1-OXIDE	µg/kg	--	82	0.00	8.5	27.7	--	--	5.01	9.56	1.26	0.25	5.24	--	--	--
5-NITRO-O-TOLUIDINE	µg/kg	--	82	0.00	11.1	36.2	--	--	6.55	12.5	1.65	0.25	6.85	--	--	--
7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/kg	--	82	0.00	13.6	44.5	--	--	8.05	15.4	2.02	0.25	8.42	--	--	--
ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/kg	--	82	0.00	349	1,140	--	--	206	393	51.9	0.25	215	--	--	--
ANILINE	µg/kg	--	82	0.00	45.2	147	--	--	26.6	50.8	6.69	0.25	27.9	330	--	--
ARAMITE (TOTAL)	µg/kg	--	82	0.00	72.3	235	--	--	42.6	81.3	10.7	0.25	44.6	--	--	--
BENZYL ALCOHOL	µg/kg	--	82	0.00	7.66	25	--	--	4.52	8.62	1.14	0.25	4.73	200,000	--	--
BIS(2-CHLOROETHOXY) METHANE	µg/kg	--	82	0.00	5.43	17.7	--	--	3.20	6.11	0.81	0.25	3.35	--	--	--
BIS(2-CHLOROETHYL) ETHER	µg/kg	--	82	0.00	38	124	--	--	22.4	42.7	5.64	0.25	23.4	100	--	1
CHLOROBENZILATE	µg/kg	--	82	0.00	19.8	64.5	--	--	11.7	22.3	2.93	0.25	12.21	--	--	--
DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/kg	--	82	0.00	29.2	95.1	--	--	17.2	32.9	4.33	0.25	18.02	--	--	--
DIMETHOATE	µg/kg	--	82	0.00	54.3	177	--	--	32.0	61.1	8.06	0.25	33.5	--	--	--
DIMETHYL PHTHALATE	µg/kg	--	82	0.00	20.7	67.6	--	--	12.2	23.3	3.08	0.25	12.8	790,000	--	--
DI-N-OCTYLPHTHALATE	µg/kg	--	82	0.00	7.32	23.9	--	--	4.32	8.24	1.09	0.25	4.52	6,900,000	--	--
DINOSEB	µg/kg	--	82	0.00	55.4	181	--	--	32.7	62.4	8.24	0.25	34.2	200	--	--
DIPHENYLAMINE	µg/kg	--	82	0.00	28.5	92.7	--	--	16.8	32	4.22	0.25	17.6	--	--	--
DISULFOTON	µg/kg	--	82	0.00	9.13	29.7	--	--	5.39	10.3	1.35	0.25	5.63	--	--	--
ETHYL METHANESULFONATE	µg/kg	--	82	0.00	12.6	41	--	--	7.43	14.2	1.86	0.25	7.77	--	--	--
FAMPHUR	µg/kg	--	82	0.00	29.5	96.2	--	--	17.4	33.2	4.38	0.25	18.2	--	--	--
HEXACHLOROBUTADIENE	µg/kg	--	82	0.00	34.1	111	--	--	20.1	38.3	5.05	0.25	21.0	91	--	1
HEXACHLOROCYCLOPENTADIENE	µg/kg	--	81	0.00	25.8	84.1	--	--	15.2	29	3.85	0.25	15.9	30,000	--	--
HEXACHLOROETHANE	µg/kg	--	82	0.00	46.5	152	--	--	27.5	52.4	6.93	0.25	28.7	430	--	--
HEXACHLOROPHENE	µg/kg	--	82	0.00	698	2,270	--	--	412	786	103	0.25	431	--	--	--
HEXACHLOROPROPENE	µg/kg	--	82	0.00	46.4	151	--	--	27.4	52.3	6.86	0.25	28.6	--	--	--
ISODRIN	µg/kg	--	82	0.00	19.5	63.4	--	--	11.5	21.9	2.88	0.25	12.0	--	--	--
ISOPHORONE	µg/kg	--	82	0.00	4.87	15.9	--	--	2.87	5.48	0.72	0.25	3.00	11,000	--	--
ISOSAFROLE	µg/kg	--	82	0.00	16.9	55.2	--	--	9.98	19	2.51	0.25	10.4	--	--	--
KEPONE	µg/kg	--	82	0.00	1,750	5,690	--	--	1,030	1,960	259	0.25	1077	--	--	--
METHAPYRILENE	µg/kg	--	82	0.00	40.6	132	--	--	24.0	45.7	6.01	0.25	25.1	--	--	--
METHYL METHANESULFONATE	µg/kg	--	82	0.00	19.9	64.8	--	--	11.7	22.4	2.95	0.25	12.3	--	--	--
NITROBENZENE	µg/kg	--	82	0.00	36	117	--	--	21.2	40.5	5.32	0.25	22.2	330	--	--
N-NITROSODIETHYLAMINE	µg/kg	--	82	0.00	18.4	60	--	--	10.9	20.7	2.73	0.25	11.4	--	--	--
N-NITROSODIMETHYLAMINE	µg/kg	--	82	0.00	42	137	--	--	24.8	47.3	6.25	0.25	25.9	--	--	--
N-NITROSO-DI-N-BUTYLAMINE	µg/kg	--	82	0.00	10.2	33.2	--	--	6.02	11.5	1.51	0.25	6.29	--	--	--
N-NITROSODI-N-PROPYLAMINE	µg/kg	--	82	0.00	7.91	25.8	--	--	4.67	8.91	1.17	0.25	4.88	330	--	--
N-NITROSODIPHENYLAMINE	µg/kg	--	82	0.00	11.5	37.6	--	--	6.80	13	1.71	0.25	7.12	5,400	--	--

TABLE D-1
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Analyte	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL[b]	No. of Detected Results Exceeding SL	No. of Nondetected Results Exceeding SL
N-NITROSOMETHYLETHYLAMINE	µg/kg	--	82	0.00	15.8	51.4	--	--	9.30	17.7	2.34	0.25	9.73	--	--	--
N-NITROSOMORPHOLINE	µg/kg	--	82	0.00	18.6	60.7	--	--	11.0	21.0	2.76	0.25	11.5	--	--	--
N-NITROSOPIPERIDINE	µg/kg	--	82	0.00	11.3	36.9	--	--	6.68	12.7	1.68	0.25	6.98	--	--	--
N-NITROSOPYRROLIDINE	µg/kg	--	82	0.00	349	1,140	--	--	206	393	51.9	0.25	215	--	--	--
O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/kg	--	82	0.00	9.89	32.2	--	--	5.83	11.1	1.46	0.25	6.10	--	--	--
O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/kg	--	82	0.00	18.1	58.9	--	--	10.7	20.4	2.68	0.25	11.2	--	--	--
O-TOLUIDINE	µg/kg	--	82	0.00	349	1,140	--	--	206	393	51.9	0.25	215	--	--	--
PARATHION, ETHYL (PARATHION)	µg/kg	--	82	0.00	17.9	58.3	--	--	10.5	20.1	2.65	0.25	11.0	--	--	--
PARATHION, METHYL	µg/kg	--	82	0.00	11.8	38.6	--	--	6.99	13.3	1.76	0.25	7.31	46	--	--
P-DIMETHYLAMINOAZOBENZENE	µg/kg	--	82	0.00	12.7	41.4	--	--	7.49	14.3	1.88	0.25	7.84	--	--	--
PENTACHLOROBENZENE	µg/kg	--	82	0.00	27.9	91	--	--	16.5	31.4	4.14	0.25	17.2	9,500	--	--
PENTACHLORONITROBENZENE	µg/kg	--	82	0.00	19.4	63.1	--	--	11.4	21.8	2.87	0.25	11.9	37,000	--	--
PENTOCHLORETHANE	µg/kg	--	82	0.00	11.8	38.6	--	--	6.99	13.3	1.76	0.25	7.31	--	--	--
PHENACETIN	µg/kg	--	82	0.00	12.3	40	--	--	7.24	13.8	1.82	0.25	7.57	--	--	--
PHENOL	µg/kg	--	82	0.00	7.24	23.6	--	--	4.27	8.14	1.07	0.25	4.46	4,200	--	--
PHORATE	µg/kg	--	82	0.00	9.18	29.9	--	--	5.41	10.3	1.36	0.25	5.66	--	--	--
P-PHENYLENEDIAMINE	µg/kg	--	82	0.00	28.5	92.7	--	--	16.8	32	4.22	0.25	17.6	--	--	--
PRONAMIDE	µg/kg	--	82	0.00	11	35.8	--	--	6.49	12.4	1.63	0.25	6.79	--	--	--
PYRIDINE	µg/kg	--	82	0.00	52	170	--	--	30.7	58.6	7.73	0.25	32.1	400	--	--
SAFROLE	µg/kg	--	82	0.00	14.8	48.3	--	--	8.74	16.7	2.20	0.25	9.14	--	--	--
SYM-TRINITROBENZENE	µg/kg	--	82	0.00	349	1,140	--	--	206	393	51.9	0.25	215	--	--	--
TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/kg	--	82	0.00	698	2,270	--	--	412	786	103	0.25	431	--	--	--
VOLATILE ORGANICS																
TOLUENE	µg/kg	48	82	0.59	25.2	45.4	36	7,010	1,179	133	1,828	1.55	1,515	2,800	14	--
ACRYLONITRILE	µg/kg	4	82	0.05	31.1	220	189	563	37.6	39.9	75.4	2.01	51.4	100	4	2
METHYLENE CHLORIDE	µg/kg	3	82	0.04	20.9	148	87.4	456	23.0	26.7	52.0	2.27	32.5	100	2	1
XYLENES, TOTAL	µg/kg	16	82	0.20	25.6	177	32	1,470	65.9	33.2	175	2.66	98.1	700	1	--
ACETONE	µg/kg	5	82	0.06	16.3	57	127	1,880	48.7	20.9	220	4.51	89.1	15,000	--	--
ETHYL BENZENE	µg/kg	5	82	0.06	9.27	63.9	25.6	229	12.8	11.7	30.7	2.40	18.4	360	--	--
CHLOROFORM	µg/kg	3	82	0.04	6.15	43.5	27.5	35	5.39	7.93	5.46	1.01	6.40	1,600	--	--
CHLOROMETHANE	µg/kg	2	82	0.02	20.3	143	87	113	16.6	25.8	15.4	0.93	19.4	2,300	--	--
STYRENE	µg/kg	2	82	0.02	6.7	46.9	143	157	8.33	8.52	22.7	2.72	12.5	2,200	--	--
BENZENE	µg/kg	1	82	0.01	4.54	32.1	67.4	67.4	4.04	5.79	7.28	1.80	5.38	100	--	--
PROPIONITRILE, ETHYL CYANIDE	µg/kg	1	82	0.01	43.6	309	506	506	37.2	55.8	54.9	1.47	47.3	--	--	--
1,1,1,2-TETRACHLOROETHANE	µg/kg	--	82	0.00	7.68	54.4	--	--	5.51	9.80	2.87	0.52	6.04	1,500	--	--
1,1,1-TRICHLOROETHANE	µg/kg	--	82	0.00	5.37	38	--	--	3.85	6.85	2.00	0.52	4.22	4,000	--	--
1,1,2,2-TETRACHLOROETHANE	µg/kg	--	82	0.00	7.86	55.6	--	--	5.64	10	2.93	0.52	6.18	170	--	--
1,1,2-TRICHLOROETHANE	µg/kg	--	82	0.00	4.98	35.2	--	--	3.57	6.35	1.86	0.52	3.91	100	--	--
1,1-DICHLOROETHANE	µg/kg	--	82	0.00	6.94	49.1	--	--	4.98	8.85	2.59	0.52	5.46	15,000	--	--
1,1-DICHLOROETHENE	µg/kg	--	82	0.00	15.7	111	--	--	11.3	20.0	5.86	0.52	12.3	62	--	1
1,2,3-TRICHLOROPROPANE	µg/kg	--	82	0.00	10.7	75.7	--	--	7.68	13.6	4.00	0.52	8.41	840	--	--
1,2-DIBROMO-3-CHLOROPROPANE	µg/kg	--	82	0.00	37.8	267	--	--	27.1	48.2	14.1	0.52	29.7	10	--	82
1,2-DIBROMOETHANE (EDB)	µg/kg	--	82	0.00	6.55	46.3	--	--	4.70	8.35	2.45	0.52	5.15	20	--	3
1,2-DICHLOROETHANE	µg/kg	--	82	0.00	4.98	35.2	--	--	3.57	6.35	1.86	0.52	3.91	100	--	--
1,2-DICHLOROPROPANE	µg/kg	--	82	0.00	4.89	34.6	--	--	3.51	6.24	1.83	0.52	3.85	100	--	--
2-HEXANONE	µg/kg	--	82	0.00	36.1	255	--	--	25.9	46.0	13.5	0.52	28.4	20,000	--	--
ACETONITRILE	µg/kg	--	82	0.00	197	1,400	--	--	142	252	73.9	0.52	155	2,800	--	--
ACROLEIN	µg/kg	--	82	0.00	102	723	--	--	73.3	130	38.2	0.52	80.3	410	--	1
ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/kg	--	82	0.00	43.6	309	--	--	31.3	55.7	16.3	0.52	34.3	--	--	--
BROMODICHLOROMETHANE	µg/kg	--	82	0.00	5.89	41.7	--	--	4.23	7.52	2.20	0.52	4.63	1,200	--	--
BROMOFORM	µg/kg	--	82	0.00	7.38	52.2	--	--	5.30	9.41	2.76	0.52	5.80	1,600	--	--
BROMOMETHANE	µg/kg	--	82	0.00	65.7	465	--	--	47.2	83.8	24.5	0.52	51.7	200	--	3
CARBON DISULFIDE	µg/kg	--	82	0.00	4.76	33.7	--	--	3.42	6.07	1.78	0.52	3.74	16,000	--	--

TABLE D-1
Additional Chemicals Summary Statistics
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Analyte	Units	No. of Detected Results	No. of Samples	Frequency of Detection	Minimum Reported Nondetected Concentration	Maximum Reported Nondetected Concentration	Minimum Reported Detected Concentration	Maximum Reported Detected Concentration	Mean Concentration[a]	Median Concentration[a]	Standard Deviation	Coefficient of Variation	Upper 95% Confidence Concentration	MDEQ SL[b]	No. of Detected Results Exceeding SL	No. of Nondetected Results Exceeding SL
CARBON TETRACHLORIDE	µg/kg	--	82	0.00	5.24	37.1	--	--	3.76	6.68	1.96	0.52	4.12	100	--	--
CHLOROBENZENE	µg/kg	--	82	0.00	7.2	51	--	--	5.17	9.19	2.69	0.52	5.66	940	--	--
CHLOROETHANE	µg/kg	--	82	0.00	26.4	187	--	--	19.0	33.7	9.87	0.52	20.8	8,600	--	--
CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/kg	--	82	0.00	43.6	309	--	--	31.3	55.7	16.3	0.52	34.3	--	--	--
CIS-1,3-DICHLOROPROPENE	µg/kg	--	82	0.00	5.02	35.5	--	--	3.60	6.4	1.87	0.52	3.95	--	--	--
DIBROMOCHLOROMETHANE	µg/kg	--	82	0.00	3.93	27.8	--	--	2.82	5.01	1.47	0.52	3.09	1,600	--	--
DIBROMOMETHANE	µg/kg	--	82	0.00	6.81	48.2	--	--	4.89	8.69	2.54	0.52	5.36	1,600	--	--
DICHLORODIFLUOROMETHANE	µg/kg	--	82	0.00	15.9	112	--	--	11.4	20.3	5.92	0.52	12.5	95,000	--	--
ETHYL METHACRYLATE	µg/kg	--	82	0.00	43.6	309	--	--	31.3	55.7	16.3	0.52	34.3	--	--	--
ISOBUTANOL	µg/kg	--	82	0.00	43.6	309	--	--	31.3	55.7	16.3	0.52	34.3	46,000	--	--
METHYL ETHYL KETONE (2-BUTANONE)	µg/kg	--	82	0.00	13.6	96.3	--	--	9.78	17.4	5.08	0.52	10.7	44,000	--	--
METHYL IODIDE (IODOMETHANE)	µg/kg	--	82	0.00	39.5	280	--	--	28.4	50.4	14.8	0.52	31.1	--	--	--
METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/kg	--	82	0.00	7.55	53.4	--	--	5.42	9.63	2.82	0.52	5.94	36,000	--	--
METHYL METHACRYLATE	µg/kg	--	82	0.00	43.6	309	--	--	31.3	55.7	16.3	0.52	34.3	--	--	--
METHYLACRYLONITRILE	µg/kg	--	82	0.00	218	1,540	--	--	157	278	81.3	0.52	172	--	--	--
TETRACHLOROETHENE (PCE)	µg/kg	--	82	0.00	8.38	59.3	--	--	6.02	10.7	3.13	0.52	6.59	100	--	--
TRANS-1,2-DICHLOROETHENE	µg/kg	--	82	0.00	7.16	50.6	--	--	5.14	9.13	2.67	0.52	5.63	2,000	--	--
TRANS-1,3-DICHLOROPROPENE	µg/kg	--	82	0.00	6.15	43.5	--	--	4.42	7.85	2.30	0.52	4.84	--	--	--
TRANS-1,4-DICHLORO-2-BUTENE	µg/kg	--	82	0.00	31.5	223	--	--	22.6	40.1	11.8	0.52	24.8	--	--	--
TRICHLOROETHENE (TCE)	µg/kg	--	82	0.00	7.73	54.7	--	--	5.55	9.85	2.89	0.52	6.08	100	--	--
TRICHLOROFLUOROMETHANE	µg/kg	--	82	0.00	11	77.8	--	--	7.90	14	4.11	0.52	8.65	52,000	--	--
VINYL ACETATE	µg/kg	--	82	0.00	42.7	302	--	--	30.7	54.5	15.9	0.52	33.6	13,000	--	--
VINYL CHLORIDE	µg/kg	--	82	0.00	15.3	108	--	--	11.0	19.5	5.70	0.52	12.0	40	--	3

[a] One-half the MDL was used to calcluate the mean and median where concentrations were nondetected.
[b] SL = the selected MDEQ Screening Level
-- = not applicable

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	1139-1	1139-2	1251-1	1251-2	1438-1	1438-2	1517-1	1517-1-C	1517-2	1517-2-C	1582-1
			Location ID	MidBlind_1139-1	MidBlind_1139-2	MidBlind_1251-1	MidBlind_1251-2	MidBlind_1438-1	MidBlind_1438-2	MidBlind_1517-1	MidBlind_1517-1-C	MidBlind_1517-2	MidBlind_1517-2-C	MidBlind_1582-1
			Sample Date	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006
			Sample Depth (in)	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	SOIL
Group	**Analyte**	**Units**	**SL**											
GEN	CYANIDE, TOTAL	µg/Kg	100	**180**	**220**	**110** J	0.0081 U	0.0076 U	0.0073 U	**59** J	**26** J	**80** J	**50** J	**200**
GEN	SULFIDE	mg/kg	--	100 UJ	100 UJ	**130**	110 U	100 U	98 U	110 U	**110**	110 U	100 U	98 U
GEN	TOTAL ORGANIC CARBON	mg/kg	--	**30000**	**22000**	**64000**	**48000**	**27000**	**20000**	**36000**	**29000**	**43000**	**20000**	**29000**
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	--	2.6 U	2.5 U	2.9 U	2.7 U	2.5 U	2.4 U	2.6 U	2.7 U	**24**	2.5 U	2.4 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	1400	2.1 U	2.1 U	2.4 U	2.2 U	2.1 U	2 U	2.2 U	2.2 U	**46** J	2.1 U	2 UJ
HERB	DINOSEB	µg/Kg	200	67 U	65 U	74 U	71 U	66 UJ	64 U	68 U	69 U	69 U	65 U	64 U
HERB	SILVEX (2,4,5-TP)	µg/Kg	2200	2.2 U	2.2 U	2.5 U	2.4 U	2.2 U	2.1 U	2.3 U	2.3 U	2.3 U	2.2 U	2.1 U
MET	ANTIMONY	µg/Kg	4300	250 U	240 U	270 U	260 UJ	240 U	230 U	250 U	250 U	**1900** J	240 U	**480** J
MET	ARSENIC	µg/Kg	4600	**3400**	**3000**	**5700**	**6100**	**3400**	**3100**	**6000**	**4200**	**6600**	**4100**	**770** J
MET	BARIUM	µg/Kg	1300000	**46000**	**40000**	**41000**	**41000**	**45000**	**44000**	**39000**	**35000**	**40000**	**37000**	**24000**
MET	BERYLLIUM	µg/Kg	51000	**290**	**260**	**390**	**420** J	**310**	**320**	**330**	**280**	**340**	**270**	**170** J
MET	CADMIUM	µg/Kg	6000	**210** J	**190** J	18 U	17 U	**290**	**340**	16 U	17 U	17 U	16 U	**120** J
MET	CHROMIUM, TOTAL	µg/Kg	3300	**7900**	**7000**	**6000**	**6200**	**7500**	**7500**	**7500**	**5700**	**7600**	**6100**	**5400**
MET	COBALT	µg/Kg	800	**3300**	**3000**	**1900**	**2000**	**2700**	**2800**	**2300**	**2100**	**2700**	**2300**	**2000**
MET	COPPER	µg/Kg	5800000	**16000**	**15000**	**28000**	**21000**	**11000**	**11000**	**15000**	**11000**	**17000**	**10000**	**8300**
MET	LEAD	µg/Kg	400000	**20000**	**19000**	**27000**	**30000**	**33000**	**30000**	**21000**	**11000**	**28000**	**12000**	**8300**
MET	MERCURY	µg/Kg	130	**90**	**64**	**84**	**74**	**45**	**40**	**56**	**42**	**65**	**34**	**51**
MET	NICKEL	µg/Kg	100000	**8900**	**8100**	**8200**	**8100**	**6900**	**6700**	**7500**	**6400**	**8000**	**6700**	**6200**
MET	SELENIUM	µg/Kg	410	550 U	520 U	590 U	570 U	530 U	510 U	550 U	560 U	560 U	530 U	510 U
MET	SILVER	µg/Kg	1,000	61 U	58 U	66 U	63 U	59 U	57 U	62 U	62 U	63 U	59 U	57 U
MET	THALLIUM	µg/Kg	2300	220 U	210 U	240 U	230 U	210 U	210 U	220 U	220 U	230 U	210 U	210 U
MET	TIN	µg/Kg	--	580 U	550 U	630 U	600 U	570 U	540 U	590 U	590 U	600 U	560 U	540 U
MET	VANADIUM	µg/Kg	72000	**13000**	**12000**	**13000**	**14000**	**13000**	**13000**	**13000**	**12000**	**14000**	**13000**	**9400**
MET	ZINC	µg/Kg	2400000	66 U	63 U	72 U	69 U	**39000**	**35000**	67 U	67 U	68 U	64 U	**21000**
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	--	7 U	6.7 U	7.6 U	7.2 U	6.8 U	6.5 U	7 U	7 U	7.1 U	6.7 U	6.5 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	--	12 U	11 U	13 U	12 U	12 U	11 U	12 U	12 U	12 U	11 U	11 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	--	13 U	12 U	14 U	13 U	13 U	12 U	13 U	13 U	13 U	13 U	12 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	--	15 U	15 U	17 U	16 U	15 U	14 U	15 U	15 U	15 U	15 U	14 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	--	10 U	9.7 U	11 U	10 U	9.9 U	9.4 U	10 U	10 U	10 U	9.7 U	9.4 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	--	8.4 U	8 U	9.2 U	8.7 U	8.2 U	7.8 U	8.5 U	8.5 U	8.5 U	8.1 U	7.8 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	--	7 U	6.7 U	7.7 U	7.3 U	6.9 U	6.5 U	7.1 U	7.1 U	7.1 U	6.7 U	6.6 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	--	9.3 U	8.8 U	10 U	9.6 U	9 U	8.6 U	9.4 U	9.4 U	9.4 U	8.9 U	8.6 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	--	13 U	12 U	14 U	13 U	12 U	12 U	13 U	13 U	13 U	12 U	12 U
PCB	SUMMED PCB	µg/Kg	3,000,000	**47**	**45**	**51**	**49**	**46**	**44**	**48**	**48**	**48**	**45**	**44**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	10	50 U	50 U	120 U	270 U	49 U	45 U	64 U	57 U	55 U	55 U	61 U
PEST	4,4'-DDD	µg/Kg	95000	0.75 U	**0.9** J	**6** J	**1.3** J	**1.1** J	**2.6** J	0.76 U	**1.7** J	0.76 U	**1.2** J	0.7 U
PEST	4,4'-DDE	µg/Kg	45000	**10** J	**16** J	**15** J	**14** J	**6** J	**6.8** J	**5.5** J	**4.6** J	**7.5** J	**4** J	**5** J
PEST	4,4'-DDT	µg/Kg	57000	**6** J	**9.8** J	**18** J	**17** J	**5** J	**7.6** J	**4.8** J	**2.8** J	**5.4** J	**2.8** J	1.1 U
PEST	ALDRIN	µg/Kg	1000	0.78 U	0.74 U	0.85 U	0.8 U	0.76 U	0.72 U	0.79 U	0.79 U	0.79 U	0.75 U	0.73 U
PEST	ALPHA BHC	µg/Kg	18	0.99 U	0.94 U	1.1 U	1 U	0.96 U	0.92 U	1 U	1 U	1 U	0.94 U	0.92 U
PEST	BETA BHC	µg/Kg	37	1.1 U	1 U	1.2 U	1.1 U	1 U	0.99 U	1.1 U	1.1 U	1.1 U	1 U	0.99 U
PEST	CHLORDANE	µg/Kg	31000	1 U	**2.5** J	1.1 U	1.1 U	1 U	0.97 U	1.1 U	1.1 U	1.1 U	0.99 U	0.97 U
PEST	DELTA BHC	µg/Kg	--	0.96 U	0.92 U	1 UJ	0.99 U	0.94 U	0.89 U	0.97 U	0.97 U	0.97 U	0.92 U	0.89 U
PEST	DIELDRIN	µg/Kg	1100	0.78 U	0.74 U	0.85 U	0.8 U	0.76 U	0.72 U	0.79 U	0.79 U	0.79 U	0.75 U	0.73 U
PEST	DIMETHOATE	µg/Kg	--	66 U	64 U	72 U	69 U	65 U	63 U	67 U	68 U	68 U	64 U	62 U
PEST	DISULFOTON	µg/Kg	--	11 U	11 U	12 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
PEST	ENDOSULFAN I	µg/Kg	--	0.6 U	0.57 U	0.65 U	0.62 UJ	0.58 U	0.56 U	0.6 U	0.6 U	0.61 U	0.57 U	**0.86** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
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Midland Area Soils

			Sample ID	1139-1	1139-2	1251-1	1251-2	1438-1	1438-2	1517-1	1517-1-C	1517-2	1517-2-C	1582-1
			Location ID	MidBlind_1139-1	MidBlind_1139-2	MidBlind_1251-1	MidBlind_1251-2	MidBlind_1438-1	MidBlind_1438-2	MidBlind_1517-1	MidBlind_1517-1-C	MidBlind_1517-2	MidBlind_1517-2-C	MidBlind_1582-1
			Sample Date	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006
			Sample Depth (in)	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	SOIL
Group	**Analyte**	**Units**	**SL**											
PEST	ENDOSULFAN II	µg/Kg	--	0.65 U	0.62 U	0.71 U	**1.9** J	0.63 U	0.6 U	0.66 U	0.66 U	0.66 U	0.62 U	0.6 U
PEST	SUMMED Endosulfan (I and II)	µg/Kg	1,400,000	**0.62**	**0.59**	**0.68**	**2.2**	**0.61**	**0.58**	**0.63**	**0.63**	**0.63**	**0.6**	**1.2**
PEST	ENDOSULFAN SULFATE	µg/Kg	--	0.93 U	0.89 U	1 UJ	0.96 U	0.91 U	0.87 U	0.94 U	0.94 U	0.95 U	0.9 U	0.87 U
PEST	ENDRIN	µg/Kg	65000	0.95 U	0.9 U	1 U	0.98 U	0.92 U	0.88 U	0.96 U	0.96 U	0.96 U	0.91 U	0.88 U
PEST	ENDRIN ALDEHYDE	µg/Kg	--	0.97 U	0.93 U	1.1 U	1 U	0.95 U	0.9 U	0.98 U	0.98 U	0.99 U	0.93 U	0.91 U
PEST	FAMPHUR	µg/Kg	--	36 UJ	35 UJ	39 UJ	38 UJ	35 UJ	34 UJ	36 UJ	37 UJ	37 UJ	35 UJ	34 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	20	0.75 U	0.72 U	0.82 U	0.78 U	0.73 U	0.7 U	0.76 U	0.76 U	0.76 U	0.72 U	0.7 U
PEST	HEPTACHLOR	µg/Kg	5600	0.78 U	0.74 U	0.85 U	0.8 U	0.76 U	0.72 U	0.79 U	0.79 U	0.79 U	0.75 U	0.73 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	3100	1.1 U	1 U	1.2 U	1.1 U	**1.3** J	1 U	1.1 U	1.1 U	1.1 U	1 U	1 U
PEST	KEPONE	µg/Kg	--	2100 U	2000 U	2300 U	2200 U	2100 U	2000 U	2200 U	2200 U	2200 U	2100 U	2000 U
PEST	METHOXYCHLOR	µg/Kg	16000	1.3 U	1.2 U	1.4 U	1.3 U	1.3 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U	1.2 U
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	--	12 U	12 U	13 U	13 U	12 U	11 U	12 U	12 U	12 U	12 U	11 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	--	22 U	21 U	24 U	23 U	22 U	21 U	22 U	23 U	23 U	21 U	21 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	--	22 U	21 U	24 U	23 U	21 U	21 U	22 U	22 U	22 U	21 U	21 U
PEST	PARATHION, METHYL	µg/Kg	46	14 U	14 U	16 U	15 U	14 U	14 U	15 U	15 U	15 U	14 U	14 U
PEST	PHORATE	µg/Kg	--	11 U	11 U	12 U	12 UJ	11 UJ	11 UJ	11 U	12 UJ	12 UJ	11 UJ	11 U
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	--	850 U	820 U	930 U	890 U	840 U	810 U	860 U	870 U	870 U	820 U	800 U
PEST	TOXAPHENE	µg/Kg	860	12 U	12 U	13 U	13 U	12 U	11 U	12 U	12 U	12 U	12 U	11 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	3400	10 U	9.8 U	11 U	11 U	10 U	9.7 U	10 U	11 U	11 U	9.9 U	9.6 U
SVOC	1,3-DINITROBENZENE	µg/Kg	--	9.5 U	9.1 U	10 U	9.9 U	9.4 U	9 U	9.6 U	9.7 U	9.8 U	9.2 U	9 U
SVOC	1,4-DIOXANE	µg/Kg	1700	420 U	410 U	470 U	440 UJ	420 UJ	400 UJ	430 U	440 UJ	440 UJ	410 UJ	400 U
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	--	14 U	14 U	16 U	15 U	14 UJ	14 U	15 U	15 U	15 U	14 U	14 U
SVOC	1-NAPHTHYLAMINE	µg/Kg	--	420 U	410 U	470 U	440 U	420 U	400 U	430 U	440 U	440 U	410 U	400 U
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	--	42 U	40 U	46 U	44 U	41 U	40 U	42 U	43 U	43 U	40 U	39 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	--	17 U	17 U	19 U	18 U	17 U	17 U	18 U	18 U	18 U	17 U	16 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	39000	9.6 U	9.3 U	11 U	10 U	9.5 U	9.1 U	9.7 U	9.9 U	9.9 U	9.3 U	9.1 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	2400	7.3 U	7.1 U	8.1 UJ	7.7 U	7.2 U	7 U	7.4 UJ	7.5 U	7.6 U	7.1 U	6.9 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	380	32 U	31 U	35 UJ	33 U	31 U	30 U	32 UJ	33 U	33 U	31 U	30 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	7400	70 U	67 U	77 U	73 U	69 U	67 U	71 U	72 U	72 U	68 U	66 U
SVOC	2,4-DINITROPHENOL	µg/Kg	--	24 U	24 U	27 U	26 U	24 UJ	23 U	25 U	25 U	25 U	24 U	23 U
SVOC	2,4-DINITROTOLUENE	µg/Kg	430	35 U	33 U	38 U	36 U	34 U	33 U	35 U	36 U	36 U	33 U	33 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	--	17 U	17 U	19 U	18 U	17 U	16 U	17 U	18 U	18 U	17 U	16 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	--	7.3 U	7.1 U	8 U	7.7 U	7.2 U	7 U	7.4 U	7.5 U	7.6 U	7.1 U	6.9 U
SVOC	2-Acetylaminofluorene	µg/Kg	--	17 U	16 U	18 U	17 U	16 U	16 U	17 U	17 U	17 U	16 U	16 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	620000	31 U	30 U	34 U	33 U	31 U	30 U	32 U	32 U	32 U	30 U	29 U
SVOC	2-CHLOROPHENOL	µg/Kg	440	32 U	31 U	35 U	33 U	31 U	30 U	32 U	33 U	33 U	31 U	30 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	57000	9.1 U	8.8 U	10 U	9.6 U	9 U	8.7 U	9.3 U	9.4 U	**12** J	8.9 U	8.6 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	--	22 U	21 U	24 U	23 U	21 U	21 U	22 U	22 U	22 U	21 U	20 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	--	420 U	410 U	470 U	440 U	420 U	400 U	430 U	440 U	440 U	410 U	400 U
SVOC	2-NITROANILINE	µg/Kg	--	9.7 U	9.3 U	11 U	10 U	9.6 U	9.2 U	9.8 U	10 U	10 U	9.4 U	9.2 U
SVOC	2-NITROPHENOL	µg/Kg	400	12 U	12 U	14 U	13 U	12 U	12 U	13 U	13 U	13 U	12 U	12 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	--	12 U	12 U	14 U	13 U	12 U	12 U	13 U	13 U	13 U	12 U	12 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	2000	72 U	69 U	79 U	75 U	71 U	68 U	73 U	74 U	74 U	70 U	68 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	--	420 U	410 U	470 U	440 U	420 U	400 U	430 U	440 U	440 U	410 U	400 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	--	23 U	22 U	25 U	24 U	22 U	21 U	23 U	23 U	23 U	22 U	21 U

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U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

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			Sample ID	1139-1	1139-2	1251-1	1251-2	1438-1	1438-2	1517-1	1517-1-C	1517-2	1517-2-C	1582-1
			Location ID	MidBlind_1139-1	MidBlind_1139-2	MidBlind_1251-1	MidBlind_1251-2	MidBlind_1438-1	MidBlind_1438-2	MidBlind_1517-1	MidBlind_1517-1-C	MidBlind_1517-2	MidBlind_1517-2-C	MidBlind_1582-1
			Sample Date	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006
			Sample Depth (in)	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	SOIL
Group	**Analyte**	**Units**	**SL**											
SVOC	3-NITROANILINE	µg/Kg	--	8.5 U	8.2 U	9.3 U	8.9 U	8.4 U	8.1 U	8.6 U	8.7 U	8.7 U	8.2 U	8 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	830	16 U	16 U	18 U	17 U	16 U	15 U	16 U	17 U	17 U	16 U	15 U
SVOC	4-AMINOBIPHENYL	µg/Kg	--	12 U	12 U	13 U	13 U	12 U	12 U	12 U	13 U	13 U	12 U	12 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	--	16 U	15 U	17 U	17 U	16 U	15 U	16 U	16 U	16 U	15 U	15 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	280	13 U	12 U	14 U	13 U	13 U	12 U	13 U	13 U	13 U	12 U	12 U
SVOC	4-CHLOROANILINE	µg/Kg	--	52 U	51 U	58 U	55 U	52 U	50 U	53 U	54 U	54 U	51 U	50 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	--	6 U	5.8 U	6.6 U	6.3 U	5.9 U	5.7 U	6.1 U	6.1 U	6.2 U	5.8 U	5.6 U
SVOC	4-NITROANILINE	µg/Kg	--	50 U	48 U	55 U	52 U	49 U	47 U	50 U	51 U	51 U	48 U	47 U
SVOC	4-NITROPHENOL	µg/Kg	--	11 U	10 U	12 U	11 U	11 U	10 U	11 U	11 U	11 U	10 U	10 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	--	10 U	9.9 U	11 UJ	11 UJ	10 U	9.8 UJ	10 UJ	11 U	11 U	10 U	9.7 U
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	--	14 U	13 U	15 U	14 U	13 U	13 U	14 U	14 U	14 U	13 U	13 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	--	17 U	16 U	18 U	17 U	16 U	16 U	17 U	17 U	17 U	16 U	16 U
SVOC	ACENAPHTHENE	µg/Kg	4400	9.1 UJ	8.8 UJ	10 U	9.6 U	9 U	8.7 U	9.3 U	9.4 U	9.4 U	8.9 U	8.6 UJ
SVOC	ACENAPHTHYLENE	µg/Kg	5900	9.2 U	8.9 U	10 U	9.7 U	9.1 U	8.8 U	9.4 U	9.5 U	9.5 U	9 U	8.7 U
SVOC	ACETOPHENONE	µg/Kg	30000	11 U	10 U	12 U	11 U	10 U	10 U	11 U	11 U	11 U	10 U	9.9 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	--	420 U	410 U	470 U	440 UJ	420 U	400 UJ	430 U	440 U	440 U	410 U	400 U
SVOC	ANILINE	µg/Kg	330	55 U	53 U	60 U	58 U	54 U	52 U	56 U	56 U	57 U	53 U	52 U
SVOC	ANTHRACENE	µg/Kg	41000	6.4 U	6.1 U	**14** J	6.7 U	6.3 U	6.1 U	**15** J	6.6 U	**15** J	6.2 U	6 U
SVOC	ARAMITE (TOTAL)	µg/Kg	--	88 U	85 U	96 U	92 U	87 U	84 U	89 U	90 U	91 U	85 U	83 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	20000	7.5 U	7.2 U	8.2 U	7.9 U	7.4 U	7.1 U	**73** J	7.7 U	7.7 U	7.3 U	7.1 U
SVOC	BENZO(A)PYRENE	µg/Kg	2000	10 UJ	9.7 UJ	**120** J	11 UJ	**61** J	9.6 U	**82** J	**40** J	**73** J	**26** J	9.5 UJ
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	20000	**56** J	**54** J	**180** J	**45** J	**75** J	**57** J	**130** J	**59** J	**90** J	**57** J	**92** J
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	2500000	**170** J	**160** J	**160** J	**41** J	**80** J	**69** J	**100** J	**63** J	**100** J	**52** J	32 U
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	200000	11 U	11 U	**78** J	**13** J	**38** J	**20** J	**66** J	**27** J	**47** J	**14** J	**63** J
SVOC	BENZYL ALCOHOL	µg/Kg	200000	9.3 U	9 U	10 U	9.8 U	9.2 U	8.9 U	9.4 U	9.6 U	9.6 U	9 U	8.8 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	26000	9.8 U	9.4 U	11 U	10 UJ	9.6 U	9.3 U	9.9 U	10 U	10 U	9.4 U	9.2 U
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	--	6.6 U	6.4 U	7.2 U	6.9 U	6.5 U	6.3 U	6.7 U	6.8 U	6.8 U	6.4 U	6.2 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	100	46 U	44 U	51 U	48 U	46 U	44 U	47 U	47 U	48 U	45 U	44 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	2800000	20 U	19 U	**49** J	**43** J	**27** J	**93** J	**69** J	21 U	**66** J	**23** J	**31** J
SVOC	CHLOROBENZILATE	µg/Kg	--	24 U	23 U	26 U	25 U	24 U	23 U	24 U	25 U	25 U	23 U	23 U
SVOC	CHRYSENE	µg/Kg	2000000	**33** J	**33** J	**99** J	14 U	**17** J	13 U	**64** J	14 U	**31** J	13 U	**61** J
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	11000	8.5 U	8.2 U	9.4 U	**10** J	8.4 U	8.1 U	8.6 U	8.8 U	**9.8** J	8.3 U	8.1 U
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	6900000	8.9 UJ	8.6 UJ	9.8 UJ	9.3 UJ	8.8 U	8.5 U	9 UJ	9.1 UJ	9.2 UJ	8.6 UJ	8.4 U
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	--	35 U	34 U	39 U	37 U	35 U	34 U	36 U	36 UJ	37 UJ	34 UJ	34 U
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	2000	40 U	38 U	44 U	42 U	39 U	38 U	40 U	41 U	41 U	38 U	37 U
SVOC	DIBENZOFURAN	µg/Kg	1700	5.4 U	5.3 U	6 U	5.7 U	5.4 U	5.2 U	5.5 U	5.6 U	5.6 U	5.3 U	5.1 U
SVOC	DIETHYL PHTHALATE	µg/Kg	2200	7 U	6.7 U	7.7 U	7.3 U	6.9 U	6.6 U	7.1 U	7.2 U	7.2 U	6.7 U	6.6 U
SVOC	DIMETHYL PHTHALATE	µg/Kg	790000	25 U	24 U	28 U	26 U	25 U	24 U	26 U	26 U	26 U	24 U	24 U
SVOC	DIPHENYLAMINE	µg/Kg	--	35 U	33 U	38 U	36 U	34 U	33 U	35 U	36 U	36 U	33 U	33 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	--	15 U	15 U	17 UJ	16 U	15 U	15 U	16 UJ	16 UJ	16 UJ	15 UJ	14 U
SVOC	FLUORANTHENE	µg/Kg	5500	11 UJ	**27** J	**210** J	**23** J	**95** J	**64** J	**130** J	**62** J	**110** J	11 U	**76** J
SVOC	FLUORENE	µg/Kg	5300	7.1 U	6.9 U	7.8 U	7.5 U	7 U	6.8 U	7.2 U	7.3 U	7.4 U	6.9 U	6.7 U
SVOC	HEXACHLOROBENZENE	µg/Kg	350	12 U	12 U	14 U	13 U	12 U	12 U	13 U	13 U	13 U	12 U	12 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	91	41 U	40 U	45 U	43 U	41 U	39 U	42 U	43 U	43 U	40 U	39 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	30000	31 U	30 U	34 U	33 U	**420** R	30 U	32 U	32 U	32 U	30 U	30 U
SVOC	HEXACHLOROETHANE	µg/Kg	430	57 U	55 U	62 U	59 U	56 U	54 U	57 U	58 U	58 U	55 U	53 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	1139-1	1139-2	1251-1	1251-2	1438-1	1438-2	1517-1	1517-1-C	1517-2	1517-2-C	1582-1
			Location ID	MidBlind_1139-1	MidBlind_1139-2	MidBlind_1251-1	MidBlind_1251-2	MidBlind_1438-1	MidBlind_1438-2	MidBlind_1517-1	MidBlind_1517-1-C	MidBlind_1517-2	MidBlind_1517-2-C	MidBlind_1582-1
			Sample Date	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006
			Sample Depth (in)	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	SOIL
Group	**Analyte**	**Units**	**SL**											
SVOC	HEXACHLOROPHENE	µg/Kg	--	850 UJ	820 UJ	930 UJ	890 UJ	840 UJ	810 UJ	860 UJ	870 UJ	870 UJ	820 UJ	800 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	--	56 U	54 U	62 U	59 U	56 U	54 U	57 U	58 U	58 U	55 U	53 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	20000	29 U	28 U	**240** J	31 U	**71** J	28 U	**110** J	30 U	**62** J	28 U	**43** J
SVOC	ISODRIN	µg/Kg	--	24 U	23 U	26 U	25 U	23 U	23 U	24 U	24 U	24 U	23 U	22 U
SVOC	ISOPHORONE	µg/Kg	11000	5.9 U	5.7 U	6.5 U	6.2 U	5.8 U	5.6 U	6 U	6.1 U	6.1 U	5.7 U	5.6 U
SVOC	ISOSAFROLE	µg/Kg	--	21 U	20 U	23 U	22 U	20 U	20 U	21 U	21 U	21 U	20 U	19 U
SVOC	METHAPYRILENE	µg/Kg	--	49 U	48 U	54 U	52 U	49 U	47 U	50 U	51 U	51 U	48 U	47 U
SVOC	METHYL METHANESULFONATE	µg/Kg	--	24 U	23 U	27 U	25 U	24 U	23 U	25 U	25 U	25 U	23 U	23 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	--	12 U	12 U	14 U	13 U	12 U	12 U	13 U	13 U	13 U	12 U	12 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	330	9.6 U	9.3 U	11 U	10 U	9.5 U	9.1 U	9.7 U	9.9 U	9.9 U	9.3 U	9.1 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	--	22 U	22 U	25 UJ	23 UJ	22 U	21 U	23 UJ	23 UJ	23 UJ	22 UJ	21 U
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	--	51 UJ	49 UJ	56 U	54 U	50 U	49 UJ	52 U	52 U	53 U	49 UJ	48 UJ
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	5400	14 U	14 U	15 U	15 U	14 U	13 U	14 U	14 U	14 U	14 U	13 U
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	--	19 U	18 U	21 U	20 U	19 U	18 U	19 U	20 U	20 U	19 U	18 U
SVOC	N-NITROSOMORPHOLINE	µg/Kg	--	23 U	22 U	25 U	24 U	22 U	22 U	23 U	23 U	23 U	22 U	21 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	--	14 U	13 U	15 U	14 U	14 U	13 U	14 U	14 U	14 U	13 U	13 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	--	420 U	410 U	470 U	440 U	420 U	400 U	430 U	440 U	440 U	410 U	400 U
SVOC	NAPHTHALENE	µg/Kg	870	34 U	33 U	37 U	36 U	34 U	32 U	34 U	35 U	35 U	33 U	32 U
SVOC	NITROBENZENE	µg/Kg	330	44 U	42 U	48 U	46 U	43 U	42 U	44 U	45 U	45 U	42 U	41 U
SVOC	O-TOLUIDINE	µg/Kg	--	420 U	410 U	470 U	440 U	420 U	400 U	430 U	440 U	440 U	410 U	400 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	--	15 U	15 U	17 U	16 U	15 U	15 U	16 U	16 U	16 U	15 U	15 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	--	35 U	33 U	38 UJ	36 UJ	34 UJ	33 UJ	35 UJ	36 UJ	36 UJ	33 UJ	33 U
SVOC	PENTACHLOROBENZENE	µg/Kg	9500	34 U	33 U	37 U	36 U	34 U	32 U	34 U	35 U	35 U	33 U	32 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	37000	24 U	23 U	26 U	25 U	23 U	22 U	24 U	24 U	24 U	23 U	22 U
SVOC	PENTACHLOROPHENOL	µg/Kg	22	38 UJ	36 UJ	41 UJ	40 U	37 UJ	36 UJ	38 UJ	39 U	39 U	36 U	36 UJ
SVOC	PHENACETIN	µg/Kg	--	15 U	14 U	16 U	16 U	15 U	14 U	15 U	15 U	15 U	14 U	14 U
SVOC	PHENANTHRENE	µg/Kg	5300	**9.6** J	**9.9** J	**87** J	**17** J	**37** J	**32** J	**90** J	**34** J	**66** J	**27** J	**42** J
SVOC	PHENOL	µg/Kg	4200	8.8 UJ	8.5 UJ	9.7 U	9.2 U	8.7 U	8.4 U	8.9 U	9 U	9.1 U	8.5 U	8.3 UJ
SVOC	PRONAMIDE	µg/Kg	--	13 U	13 U	15 U	14 U	13 U	13 U	14 U	14 U	14 U	13 U	13 U
SVOC	PYRENE	µg/Kg	480000	20 U	19 U	**140** J	**36** J	**110** J	**58** J	**130** J	**66** J	**120** J	**57** J	**74** J
SVOC	PYRIDINE	µg/Kg	400	63 UJ	61 UJ	69 U	66 U	62 U	60 U	64 U	65 U	65 U	61 U	60 UJ
SVOC	SAFROLE	µg/Kg	--	18 U	17 U	20 U	19 U	18 U	17 U	18 U	19 U	19 U	17 U	17 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	--	420 U	410 U	470 U	440 U	420 U	400 U	430 U	440 U	440 U	410 U	400 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	1500	10 U	10 U	24 U	54 U	10 U	9.1 U	13 U	12 U	11 U	11 U	13 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	4000	7.1 U	7.1 U	17 U	38 U	7 U	6.4 U	9 U	8.1 U	7.8 U	7.9 U	8.7 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	170	10 U	10 U	24 U	56 U	10 U	9.4 U	13 U	12 U	11 U	12 U	13 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	100	6.6 U	6.6 U	15 U	35 U	6.5 U	5.9 U	8.4 U	7.5 U	7.2 U	7.3 U	8.1 U
VOC	1,1-DICHLOROETHANE	µg/Kg	15000	9.2 U	9.1 U	22 U	49 U	9 U	8.3 U	12 U	11 U	10 U	10 U	11 U
VOC	1,1-DICHLOROETHENE	µg/Kg	62	21 U	21 U	49 U	110 U	20 U	19 U	26 U	24 U	23 U	23 U	25 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	840	14 U	14 U	33 U	76 U	14 U	13 U	18 U	16 U	16 U	16 U	17 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	20	8.6 U	8.6 U	20 U	46 U	8.5 U	7.8 U	11 U	9.9 U	9.5 U	9.6 U	11 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	360	64 U	61 U	70 U	67 U	63 U	61 U	64 U	65 U	66 U	62 U	60 U
VOC	1,2-DICHLOROETHANE	µg/Kg	100	6.6 U	6.6 U	15 U	35 U	6.5 U	5.9 U	8.4 U	7.5 U	7.2 U	7.3 U	8.1 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	100	6.5 UJ	6.4 UJ	15 U	35 U	6.3 U	5.8 U	8.2 U	7.4 U	7.1 U	7.2 U	7.9 U
VOC	1,3-DICHLOROBENZENE	µg/Kg	170	66 U	64 U	73 U	70 U	65 U	63 U	67 U	68 U	68 U	64 U	63 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	290	60 UJ	58 UJ	66 U	63 U	60 U	57 U	61 U	62 U	62 U	58 U	57 UJ
VOC	2-HEXANONE	µg/Kg	20000	48 U	47 U	110 U	260 U	47 U	43 U	61 U	55 U	52 U	53 U	59 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
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Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			Sample ID	1139-1	1139-2	1251-1	1251-2	1438-1	1438-2	1517-1	1517-1-C	1517-2	1517-2-C	1582-1
			Location ID	MidBlind_1139-1	MidBlind_1139-2	MidBlind_1251-1	MidBlind_1251-2	MidBlind_1438-1	MidBlind_1438-2	MidBlind_1517-1	MidBlind_1517-1-C	MidBlind_1517-2	MidBlind_1517-2-C	MidBlind_1582-1
			Sample Date	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006
			Sample Depth (in)	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
			Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	SOIL
Group	**Analyte**	**Units**	**SL**											
VOC	ACETONE	µg/Kg	15000	22 UJ	**130** J	51 UJ	**1900** J	21 UJ	19 UJ	28 UJ	25 UJ	24 UJ	24 U	27 U
VOC	ACETONITRILE	µg/Kg	2800	260 UJ	260 UJ	610 UJ	1400 UJ	260 UJ	240 UJ	330 UJ	300 UJ	290 U	290 UJ	320 UJ
VOC	ACROLEIN	µg/Kg	410	140 UJ	130 UJ	320 UJ	720 UJ	130 U	120 U	170 UJ	150 UJ	150 U	150 UJ	170 UJ
VOC	ACRYLONITRILE	µg/Kg	100	41 U	41 U	96 U	220 U	40 U	37 U	52 U	47 U	45 U	46 U	50 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	--	58 U	57 U	140 U	310 U	57 U	52 U	74 U	66 U	63 U	64 U	71 U
VOC	BENZENE	µg/Kg	100	6 U	6 U	14 U	32 U	5.9 U	5.4 U	7.6 U	6.9 U	6.6 U	6.6 U	7.4 U
VOC	BROMODICHLOROMETHANE	µg/Kg	1200	7.8 U	7.8 U	18 U	42 U	7.7 U	7 U	9.9 U	8.9 U	8.6 U	8.6 U	9.6 U
VOC	BROMOFORM	µg/Kg	1600	9.7 U	9.7 U	23 U	52 U	9.6 U	8.8 U	12 U	11 U	11 U	11 U	12 U
VOC	BROMOMETHANE	µg/Kg	200	87 U	86 U	200 U	470 U	85 U	78 U	110 U	99 U	95 U	96 U	110 U
VOC	CARBON DISULFIDE	µg/Kg	16000	6.3 U	6.3 U	15 U	34 U	6.2 U	5.7 U	8 U	7.2 U	6.9 U	7 U	7.7 U
VOC	CARBON TETRACHLORIDE	µg/Kg	100	6.9 U	6.9 U	16 U	37 U	6.8 U	6.2 U	8.8 U	7.9 U	7.6 U	7.7 U	8.5 U
VOC	CHLOROBENZENE	µg/Kg	940	9.5 U	9.5 U	22 U	51 U	9.4 U	8.6 U	12 U	11 U	10 U	11 U	12 U
VOC	CHLOROETHANE	µg/Kg	8600	35 U	35 U	82 UJ	190 UJ	34 UJ	32 UJ	45 UJ	40 UJ	38 UJ	39 UJ	43 U
VOC	CHLOROFORM	µg/Kg	1600	8.1 U	8.1 U	19 U	44 U	8 U	7.3 U	10 U	9.3 U	8.9 U	9 U	10 U
VOC	CHLOROMETHANE	µg/Kg	2300	27 UJ	27 UJ	63 U	140 U	26 U	24 U	34 U	31 U	29 U	30 U	33 U
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	--	58 U	57 U	140 U	310 U	57 U	52 U	74 U	66 U	63 U	64 U	71 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	--	6.6 U	6.6 U	16 U	36 U	6.5 U	6 U	8.5 U	7.6 U	7.3 U	7.4 U	8.1 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	1600	5.2 U	5.2 U	12 U	28 U	5.1 U	4.7 U	6.6 U	5.9 U	5.7 U	5.8 U	6.4 U
VOC	DIBROMOMETHANE	µg/Kg	1600	9 U	9 U	21 U	48 U	8.8 U	8.1 U	12 U	10 U	9.9 U	10 U	11 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	95000	21 U	21 U	49 U	110 U	21 UJ	19 UJ	27 U	24 U	23 U	23 U	26 U
VOC	ETHYL BENZENE	µg/Kg	360	12 UJ	12 UJ	28 U	64 U	12 U	11 U	15 U	14 U	13 U	13 U	15 UJ
VOC	ETHYL METHACRYLATE	µg/Kg	--	58 U	57 U	140 U	310 U	57 U	52 U	74 U	66 U	63 U	64 U	71 U
VOC	ISOBUTANOL	µg/Kg	46000	58 UJ	57 UJ	140 UJ	310 UJ	57 UJ	52 UJ	74 UJ	66 UJ	63 U	64 UJ	71 UJ
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	44000	18 U	18 U	42 U	96 U	18 U	16 U	23 U	21 U	20 U	20 U	22 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	--	52 UJ	52 UJ	120 U	280 U	51 U	47 U	67 U	60 U	57 U	58 U	64 UJ
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	36000	10 U	9.9 U	23 U	53 U	9.8 U	9 U	13 U	11 U	11 U	11 U	12 U
VOC	METHYL METHACRYLATE	µg/Kg	--	58 U	57 U	140 U	310 U	57 U	52 U	74 U	66 U	63 U	64 U	71 U
VOC	METHYLACRYLONITRILE	µg/Kg	--	290 U	290 U	680 U	1500 U	280 U	260 UJ	370 U	330 U	320 U	320 U	350 U
VOC	METHYLENE CHLORIDE	µg/Kg	100	28 U	28 U	65 U	150 U	27 U	25 U	35 U	32 U	**160**	31 U	34 U
VOC	PENTOCHLORETHANE	µg/Kg	--	14 U	14 U	16 U	15 U	14 U	14 U	15 U	15 U	15 U	14 U	14 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	--	58 UJ	57 UJ	140 UJ	310 UJ	57 UJ	52 UJ	74 UJ	66 UJ	63 U	64 UJ	71 UJ
VOC	STYRENE	µg/Kg	2200	8.8 U	8.7 U	21 U	47 U	8.6 U	7.9 U	11 U	10 U	9.6 U	9.7 U	11 U
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	100	11 U	11 U	26 U	59 U	11 U	10 U	14 U	13 U	12 U	12 U	14 U
VOC	TOLUENE	µg/Kg	2800	32 UJ	32 UJ	**5900**	**5600**	31 U	29 U	40 U	**4600**	**990**	**1300**	**290** J
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	2000	9.5 U	9.4 U	22 U	51 U	9.3 U	8.5 U	12 U	11 U	10 U	11 U	12 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	--	8.1 U	8.1 U	19 U	44 U	8 U	7.3 U	10 U	9.3 U	8.9 U	9 U	10 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	--	42 U	41 U	97 U	220 U	41 U	38 U	53 U	48 U	46 U	46 U	51 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	100	10 U	10 U	24 U	55 U	10 U	9.2 U	13 U	12 U	11 U	11 U	13 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	52000	15 U	15 U	34 U	78 U	14 U	13 U	19 U	17 U	16 UJ	16 U	18 U
VOC	VINYL ACETATE	µg/Kg	13000	56 U	56 U	130 U	300 U	55 U	51 U	72 U	65 U	62 U	63 U	69 U
VOC	VINYL CHLORIDE	µg/Kg	40	20 U	20 U	47 U	110 U	20 U	18 U	26 U	23 U	22 U	22 U	25 U
VOC	XYLENES, TOTAL	µg/Kg	700	33 U	33 U	77 U	180 U	32 U	30 U	42 U	38 U	36 U	37 U	41 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
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Midland Area Soils

			1582-1-D	1582-2	2147-1	2147-2-D	2147-2-M	2753-1-D	2753-1-M	2753-2	2808-1	2808-2	2823-1
			MidBlind_1582-1-D	MidBlind_1582-2	MidBlind_2147-1	MidBlind_2147-2-D	MidBlind_2147-2-M	MidBlind_2753-1-D	MidBlind_2753-1-M	MidBlind_2753-2	MidBlind_2808-1	MidBlind_2808-2	MidBlind_2823-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	SOIL	SOIL	SOIL	SOIL	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
GEN	CYANIDE, TOTAL	µg/Kg	**170**	**860**	**220**	**45** J	**23** J	**88** J	**41** J	**140** J	**44** J	**27** J	**37** J
GEN	SULFIDE	mg/kg	97 U	94 U	96 U	90 U	90 U	93 U	93 U	92 U	88 U	86 U	99 U
GEN	TOTAL ORGANIC CARBON	mg/kg	**31000**	**24000**	**13000**	**9000**	**8500**	**22000**	**20000**	**20000**	**10000**	**8200**	**20000**
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	2.4 U	2.4 U	2.4 U	2.3 U	2.3 U	2.3 U	2.3 U	2.3 U	2.2 U	2.2 U	2.5 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	2 U	2 U	2 U	1.9 U	1.9 U	1.9 U	1.9 U	1.9 U	1.8 U	1.8 U	2 U
HERB	DINOSEB	µg/Kg	64 U	62 U	62 U	58 U	59 U	60 U	61 U	60 U	57 U	56 U	65 UJ
HERB	SILVEX (2,4,5-TP)	µg/Kg	2.1 U	2.1 U	2.1 U	2 U	2 U	2 U	2 U	2 U	1.9 U	1.9 U	2.1 U
MET	ANTIMONY	µg/Kg	**400** J	**340** J	230 U	220 U	220 UJ	220 U	220 UJ	220 U	210 U	210 U	240 U
MET	ARSENIC	µg/Kg	**480** J	**1000** J	190 U	180 U	180 U	190 U	**880** J	190 U	**1200**	**1600**	**4100**
MET	BARIUM	µg/Kg	**22000**	**21000**	**15000**	**14000**	**14000** J	**31000**	**31000** J	**33000**	**17000**	**15000**	**39000**
MET	BERYLLIUM	µg/Kg	**160** J	**160** J	**110** J	**95** J	**110** J	**220** J	**200** J	**230** J	**130** J	**110** J	**280**
MET	CADMIUM	µg/Kg	**97** J	**110** J	15 U	14 U	14 U	**120** J	**79** J	**140** J	**140** J	**86** J	16 U
MET	CHROMIUM, TOTAL	µg/Kg	**5000**	**4800**	**9900**	**3200**	**3900**	**11000**	**10000** J	**11000**	**5700**	**4000**	**6100**
MET	COBALT	µg/Kg	**2000**	**2000**	**900**	**640**	**760**	**2200**	**2000** J	**2200**	**890**	**750**	**2500**
MET	COPPER	µg/Kg	**7900**	**7700**	**4700**	**2100**	**2800**	**10000**	**10000** J	**10000**	**5900**	**4600**	**18000**
MET	LEAD	µg/Kg	**7900**	**7700**	**28000**	**4800**	**5800**	**22000**	**20000** J	**20000**	**14000**	**12000**	**15000**
MET	MERCURY	µg/Kg	**51**	**49**	**23**	**18**	**17**	**58**	**61**	**60**	**17**	**18**	**32**
MET	NICKEL	µg/Kg	**6000**	**5400**	**2600**	**1900**	**2200**	**6000**	**5700** J	**6200**	**3400**	**2800**	**5900**
MET	SELENIUM	µg/Kg	510 U	500 U	500 U	470 U	480 U	490 U	490 U	490 U	460 U	460 U	520 U
MET	SILVER	µg/Kg	57 U	55 U	56 U	53 U	53 U	**88** J	**78** J	**81** J	51 U	51 U	58 U
MET	THALLIUM	µg/Kg	210 U	200 U	200 U	190 U	190 U	200 U	200 U	200 U	190 U	180 U	210 U
MET	TIN	µg/Kg	550 U	530 U	530 U	500 U	500 U	**620** J	**610** J	**530** J	490 U	480 U	560 U
MET	VANADIUM	µg/Kg	**8900**	**9100**	**5200**	**4100**	**5600**	**8800**	**7900**	**8800**	**4600**	**4300**	**11000**
MET	ZINC	µg/Kg	**21000**	**18000**	**17000**	**6800**	57 U	**36000**	**39000** J	**39000**	**20000**	**37000**	**120000**
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	6.5 U	6.3 U	6.4 U	6 U	6 U	6.3 U	6.2 U	6.2 U	5.8 U	5.7 U	6.6 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	11 U	11 U	11 U	10 U	10 U	11 U	11 U	11 U	9.9 U	9.8 U	11 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	12 U	12 U	12 U	11 U	11 U	12 U	12 U	12 U	11 U	11 U	12 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	14 U	14 U	14 U	13 U	13 U	14 U	13 U	13 U	13 U	13 U	14 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	9.5 U	9.2 U	9.2 U	8.7 U	8.8 U	9.1 U	9 U	9 U	8.4 U	8.3 U	9.6 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	7.9 U	7.6 U	7.7 U	7.2 U	7.3 U	7.6 U	7.4 U	7.4 U	7 U	6.9 U	8 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	6.6 U	6.4 U	6.4 U	6 U	6.1 U	6.3 U	6.2 U	6.2 U	5.9 U	5.8 U	6.6 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	8.7 U	8.4 U	8.4 U	8 U	8 U	8.3 U	8.2 U	8.2 U	7.7 U	7.6 U	8.7 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
PCB	SUMMED PCB	µg/Kg	**44**	**43**	**43**	**41**	**41**	**43**	**42**	**42**	**39**	**39**	**45**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	59 U	48 U	56 U	43 U	47 U	43 U	46 U	41 U	49 U	44 U	44 U
PEST	4,4'-DDD	µg/Kg	0.7 U	**1.7** J	0.69 U	**0.86** J	0.65 U	**6** J	**2.9** J	**2.7** J	**2.1** J	**36** J	0.71 U
PEST	4,4'-DDE	µg/Kg	**5.7** J	0.92 U	0.92 U	**17** J	0.88 U	0.91 U	0.89 U	0.89 U	0.84 U	0.83 U	**1.2** J
PEST	4,4'-DDT	µg/Kg	**4.4** J	**7.7** J	**1.5** J	**2.4** J	0.99 U	**10** J	**11** J	**11** J	**20** J	**47**	1.1 U
PEST	ALDRIN	µg/Kg	0.73 U	0.71 U	0.71 U	0.67 U	0.67 U	0.7 U	0.69 U	0.69 U	0.65 U	0.64 U	0.74 U
PEST	ALPHA BHC	µg/Kg	0.92 U	0.89 U	0.9 U	0.85 U	0.85 U	0.89 U	0.87 U	0.87 U	0.82 U	0.81 U	0.93 U
PEST	BETA BHC	µg/Kg	1 U	**1.6** J	0.97 U	0.91 U	0.92 U	0.96 U	0.94 U	0.94 U	**3.1** J	0.87 U	1 U
PEST	CHLORDANE	µg/Kg	0.97 U	0.94 U	0.95 U	0.89 U	0.9 U	0.93 U	0.92 U	0.92 U	0.86 U	0.85 U	0.98 U
PEST	DELTA BHC	µg/Kg	0.9 U	0.87 U	0.88 U	0.83 U	0.83 U	0.86 U	0.85 U	0.85 U	0.8 U	0.79 U	0.91 U
PEST	DIELDRIN	µg/Kg	0.73 U	0.71 U	0.71 U	0.67 U	0.67 U	0.7 U	**1.6** J	**1.4** J	**1.2** J	0.64 U	0.74 U
PEST	DIMETHOATE	µg/Kg	62 U	60 U	61 U	57 U	58 U	59 U	60 U	59 U	56 U	55 U	63 U
PEST	DISULFOTON	µg/Kg	11 U	10 U	10 U	9.6 U	9.7 U	9.9 U	10 U	9.9 U	9.4 U	9.2 U	11 U
PEST	ENDOSULFAN I	µg/Kg	0.56 U	0.54 U	0.54 U	0.51 U	0.52 U	0.54 U	0.53 U	0.53 U	0.5 U	0.49 U	0.56 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			1582-1-D	1582-2	2147-1	2147-2-D	2147-2-M	2753-1-D	2753-1-M	2753-2	2808-1	2808-2	2823-1
			MidBlind_1582-1-D	MidBlind_1582-2	MidBlind_2147-1	MidBlind_2147-2-D	MidBlind_2147-2-M	MidBlind_2753-1-D	MidBlind_2753-1-M	MidBlind_2753-2	MidBlind_2808-1	MidBlind_2808-2	MidBlind_2823-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	SOIL	SOIL	SOIL	SOIL	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
PEST	ENDOSULFAN II	µg/Kg	0.61 U	**6.8** J	**8.4** J	0.56 U	0.56 U	**4.8** J	**2.4** J	**4.1** J	**7.6** J	**2.1** J	0.61 U
PEST	SUMMED Endosulfan (I and II)	µg/Kg	**0.58**	**7**	**8.7**	**0.54**	**0.54**	**5.1**	**2.7**	**4.3**	**7.9**	**2.3**	**0.59**
PEST	ENDOSULFAN SULFATE	µg/Kg	0.87 U	0.85 U	0.85 U	0.8 U	0.81 U	0.84 U	0.83 U	0.83 U	0.78 U	**3.1** J	0.88 U
PEST	ENDRIN	µg/Kg	0.89 U	0.86 U	0.86 U	0.81 U	0.82 U	0.85 U	0.84 U	0.84 U	0.79 U	0.78 U	0.89 U
PEST	ENDRIN ALDEHYDE	µg/Kg	0.91 U	0.88 U	0.89 U	0.84 U	0.84 U	0.88 U	**2.1** J	**1.5** J	0.81 U	0.8 U	0.92 U
PEST	FAMPHUR	µg/Kg	34 UJ	33 UJ	33 UJ	31 UJ	31 UJ	32 UJ	33 UJ	32 UJ	30 UJ	30 UJ	34 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	0.7 U	0.68 U	0.69 U	0.65 U	0.65 U	0.68 U	0.67 U	0.67 U	0.63 U	**5.9** J	0.71 U
PEST	HEPTACHLOR	µg/Kg	0.73 U	0.71 U	0.71 U	0.67 U	0.67 U	0.7 U	0.69 U	0.69 U	0.65 U	0.64 U	0.74 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	**1.1** J	0.98 U	0.98 U	0.93 U	0.93 U	0.97 U	0.95 U	0.95 U	0.9 U	0.88 U	1 U
PEST	KEPONE	µg/Kg	2000 U	1900 U	2000 U	1800 U	1900 U	1900 U	1900 U	1900 U	1800 U	1800 U	2000 U
PEST	METHOXYCHLOR	µg/Kg	1.2 U	1.2 U	1.2 U	**2.9** J	1.1 U	1.2 U	1.2 U	1.2 U	1.1 U	1.1 U	1.2 U
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	11 U	11 U	11 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	21 U	20 U	20 U	19 U	19 U	20 U	20 U	20 U	19 U	18 U	21 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	21 U	20 U	20 U	19 U	19 U	19 U	20 U	19 U	18 U	18 U	21 U
PEST	PARATHION, METHYL	µg/Kg	14 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	12 U	12 U	14 U
PEST	PHORATE	µg/Kg	11 U	10 U	10 U	9.7 U	9.7 U	10 U	10 U	10 U	9.4 U	9.3 U	11 UJ
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	800 U	780 U	790 U	740 U	740 U	760 U	770 U	760 U	720 U	700 U	810 U
PEST	TOXAPHENE	µg/Kg	11 U	11 U	11 U	10 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	9.7 U	9.3 U	9.5 U	8.9 U	8.9 U	9.1 U	9.3 U	9.1 U	8.6 U	8.5 U	9.8 U
SVOC	1,3-DINITROBENZENE	µg/Kg	9 U	8.7 U	8.8 U	8.2 U	8.3 U	8.5 U	8.6 U	8.5 U	8 U	7.9 U	9.1 U
SVOC	1,4-DIOXANE	µg/Kg	400 U	390 U	390 U	370 U	370 U	380 U	390 U	380 U	360 U	350 U	410 UJ
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	14 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	12 U	12 U	14 UJ
SVOC	1-NAPHTHYLAMINE	µg/Kg	400 U	390 U	390 UJ	370 UJ	370 UJ	380 UJ	390 UJ	380 UJ	360 UJ	350 UJ	410 U
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	40 U	38 U	39 U	36 U	36 U	37 U	38 U	37 U	35 U	35 U	40 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	16 U	16 U	16 U	15 U	15 U	16 U	16 U	16 U	15 U	14 U	17 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	9.1 U	8.8 U	8.9 U	8.3 U	8.4 U	8.6 U	8.7 U	8.6 U	8.1 U	8 U	9.2 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	6.9 U	6.7 U	6.8 U	6.4 U	6.4 U	6.6 U	6.7 U	6.6 U	6.2 U	6.1 U	7 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	30 U	29 U	30 U	28 U	28 U	29 U	29 U	28 U	27 U	27 U	31 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	66 U	64 U	65 U	61 U	61 U	63 U	63 U	62 U	59 U	58 U	67 U
SVOC	2,4-DINITROPHENOL	µg/Kg	23 U	22 U	23 U	21 U	21 U	22 U	22 U	22 U	21 U	20 U	23 UJ
SVOC	2,4-DINITROTOLUENE	µg/Kg	33 U	32 U	32 U	30 U	30 U	31 U	31 U	31 U	29 U	29 U	33 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	16 U	16 U	16 U	15 U	15 U	15 U	16 U	15 U	14 U	14 U	16 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	6.9 U	6.7 U	6.8 U	6.4 U	6.4 U	6.5 U	6.6 U	6.5 U	6.2 U	6.1 U	7 U
SVOC	2-Acetylaminofluorene	µg/Kg	16 U	15 U	15 U	14 U	15 U	15 U	15 U	15 U	14 U	14 U	16 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	29 U	28 U	29 U	27 U	27 U	28 U	28 U	28 U	26 U	26 U	30 U
SVOC	2-CHLOROPHENOL	µg/Kg	30 U	29 U	30 U	28 U	28 U	29 U	29 U	28 U	27 U	27 U	31 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	8.7 U	8.4 U	8.5 U	7.9 U	8 U	8.2 U	**16** J	8.2 U	7.7 U	7.6 U	8.8 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	20 U	20 U	20 U	19 U	19 U	19 U	20 U	19 U	18 U	18 U	21 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	400 U	390 U	390 U	370 U	370 U	380 U	390 U	380 U	360 U	350 U	410 U
SVOC	2-NITROANILINE	µg/Kg	9.2 U	8.9 U	9 U	8.4 U	8.5 U	8.7 U	8.8 U	8.7 U	8.2 U	8.1 U	9.3 U
SVOC	2-NITROPHENOL	µg/Kg	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U	12 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	68 U	66 U	67 U	62 U	63 U	64 U	65 U	64 U	61 U	60 U	69 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	400 U	390 U	390 U	370 U	370 U	380 U	390 U	380 U	360 U	350 U	410 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	21 U	21 U	21 U	20 U	20 U	20 U	20 U	20 U	19 U	19 U	22 U

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U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
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Midland Area Soils

			1582-1-D	1582-2	2147-1	2147-2-D	2147-2-M	2753-1-D	2753-1-M	2753-2	2808-1	2808-2	2823-1
			MidBlind_1582-1-D	MidBlind_1582-2	MidBlind_2147-1	MidBlind_2147-2-D	MidBlind_2147-2-M	MidBlind_2753-1-D	MidBlind_2753-1-M	MidBlind_2753-2	MidBlind_2808-1	MidBlind_2808-2	MidBlind_2823-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	SOIL	SOIL	SOIL	SOIL	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	3-NITROANILINE	µg/Kg	8 U	7.7 U	7.9 U	7.4 U	7.4 U	7.6 U	7.7 U	7.6 U	7.2 U	7 U	8.1 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	15 U	15 U	15 U	14 U	14 U	14 U	15 U	14 U	14 U	13 U	15 U
SVOC	4-AMINOBIPHENYL	µg/Kg	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	15 U	14 U	15 U	14 U	14 U	14 U	14 U	14 U	13 U	13 U	15 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	12 U	12 U	12 U	11 U	11 U	11 U	12 U	11 U	11 U	11 U	12 U
SVOC	4-CHLOROANILINE	µg/Kg	50 U	48 U	49 U	46 U	46 U	47 U	48 U	47 U	44 U	44 U	50 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	5.7 U	5.5 U	5.5 U	5.2 U	5.2 U	5.3 U	5.4 U	5.3 U	5.1 U	5 U	5.7 U
SVOC	4-NITROANILINE	µg/Kg	47 U	45 U	46 U	43 U	43 U	44 U	45 U	44 U	42 U	41 U	48 U
SVOC	4-NITROPHENOL	µg/Kg	10 U	9.7 U	9.8 U	9.2 U	9.3 U	9.5 U	9.6 U	9.5 U	9 U	8.8 U	10 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	9.8 U	9.4 U	9.6 U	9 U	9 U	9.2 U	9.4 U	9.2 U	8.7 U	8.6 U	9.9 U
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	13 U	12 U	13 U	12 U	12 U	12 U	12 U	12 U	11 U	11 U	13 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	16 U	15 U	15 U	14 U	15 U	15 U	15 U	15 U	14 U	14 U	16 U
SVOC	ACENAPHTHENE	µg/Kg	8.7 UJ	8.4 UJ	8.5 UJ	7.9 UJ	8 UJ	8.2 UJ	8.3 UJ	8.2 UJ	7.7 UJ	7.6 UJ	8.8 U
SVOC	ACENAPHTHYLENE	µg/Kg	8.7 U	8.5 U	8.6 U	8 U	8.1 U	8.3 U	8.4 U	8.3 U	7.8 U	7.7 U	8.9 U
SVOC	ACETOPHENONE	µg/Kg	9.9 U	9.6 U	9.7 U	9.1 U	9.2 U	9.4 U	9.5 U	9.4 U	8.9 U	8.7 U	10 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	400 U	390 U	390 U	370 U	370 U	380 U	390 U	380 U	360 U	350 U	410 U
SVOC	ANILINE	µg/Kg	52 U	50 U	51 U	48 U	48 U	49 U	50 U	49 U	46 U	46 U	53 U
SVOC	ANTHRACENE	µg/Kg	6 U	**8.9** J	5.9 U	5.5 U	5.6 U	**12** J	**13** J	**12** J	**12** J	**10** J	6.1 U
SVOC	ARAMITE (TOTAL)	µg/Kg	83 U	80 U	81 U	76 U	77 U	78 U	80 U	78 U	74 U	73 U	84 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	7.1 U	6.9 U	7 U	6.5 U	6.6 U	6.7 U	6.8 U	6.7 U	6.3 U	6.2 U	7.2 U
SVOC	BENZO(A)PYRENE	µg/Kg	9.5 UJ	**37** J	9.4 UJ	8.8 UJ	8.8 UJ	9 UJ	**53** J	9 UJ	**71** J	**48** J	9.7 UJ
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	**80** J	**86** J	**69** J	**45** J	**41** J	**110** J	**130** J	**100** J	**140** J	**100** J	**55** J
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	**170** J	**160** J	**160** J	**150** J	**150** J	**180** J	**190** J	**170** J	**190** J	**160** J	**39** J
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	**62** J	**54** J	11 UJ	9.9 UJ	10 UJ	**59** J	10 UJ	**59** J	**64** J	9.5 UJ	11 U
SVOC	BENZYL ALCOHOL	µg/Kg	8.8 U	8.5 U	8.6 U	8.1 U	8.1 U	8.3 U	8.4 U	8.3 U	7.9 U	7.7 U	8.9 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	9.2 U	8.9 U	9.1 U	8.5 U	8.5 UJ	8.7 U	8.9 U	8.7 U	8.3 U	8.1 U	**22** J
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	6.2 U	6 U	6.1 U	5.7 U	5.8 U	5.9 U	6 U	5.9 U	5.6 U	5.5 U	6.3 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	44 U	42 U	43 U	40 U	40 U	41 U	42 U	41 U	39 U	38 U	44 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	**33** J	**28** J	19 U	18 U	18 U	18 U	18 U	18 U	17 U	17 U	**48** J
SVOC	CHLOROBENZILATE	µg/Kg	23 U	22 U	22 U	21 U	21 U	22 U	22 U	21 U	20 U	20 U	23 U
SVOC	CHRYSENE	µg/Kg	**57** J	**64** J	13 U	12 U	12 U	**77** J	**77** J	**74** J	**96** J	**68** J	13 U
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	8.1 U	7.8 U	7.9 U	7.4 U	7.4 U	7.6 U	7.7 U	7.6 U	7.2 U	7.1 U	**9.2** J
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	8.4 U	8.1 U	8.2 UJ	7.7 UJ	7.8 UJ	8 UJ	8.1 UJ	7.9 UJ	7.5 UJ	7.4 UJ	8.5 UJ
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	34 U	32 U	33 U	31 U	31 U	32 U	32 U	32 U	30 U	29 U	34 U
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	37 U	36 U	37 U	34 U	35 U	35 U	36 U	35 U	**39** J	33 U	38 U
SVOC	DIBENZOFURAN	µg/Kg	5.2 U	5 U	5.1 U	4.7 U	4.8 U	4.9 U	4.9 U	4.9 U	4.6 U	4.5 U	5.2 U
SVOC	DIETHYL PHTHALATE	µg/Kg	6.6 U	6.4 U	6.5 U	6 U	6.1 U	6.2 U	6.3 U	6.2 U	5.9 U	5.8 U	6.7 U
SVOC	DIMETHYL PHTHALATE	µg/Kg	24 U	23 U	23 U	22 U	22 U	23 U	23 U	23 U	21 U	21 U	24 U
SVOC	DIPHENYLAMINE	µg/Kg	33 U	32 U	32 U	30 U	30 U	31 U	31 U	31 U	29 U	29 U	33 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	14 U	14 U	14 U	13 U	13 U	14 U	14 U	14 U	13 U	13 U	15 U
SVOC	FLUORANTHENE	µg/Kg	**63** J	**85** J	**46** J	9.8 UJ	9.8 UJ	**130** J	**140** J	**120** J	**180** J	**100** J	**21** J
SVOC	FLUORENE	µg/Kg	6.7 U	6.5 U	6.6 U	6.2 U	6.2 U	6.4 U	6.5 U	6.4 U	6 U	5.9 U	6.8 U
SVOC	HEXACHLOROBENZENE	µg/Kg	12 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U	10 U	12 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	39 U	38 U	38 U	36 U	36 U	37 U	38 U	37 U	35 U	34 U	40 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	30 U	29 U	29 U	27 U	27 UJ	28 U	28 U	28 U	27 U	26 U	30 U
SVOC	HEXACHLOROETHANE	µg/Kg	53 U	52 U	52 U	49 U	49 U	51 U	51 U	50 U	48 U	47 U	54 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			1582-1-D	1582-2	2147-1	2147-2-D	2147-2-M	2753-1-D	2753-1-M	2753-2	2808-1	2808-2	2823-1
			MidBlind_1582-1-D	MidBlind_1582-2	MidBlind_2147-1	MidBlind_2147-2-D	MidBlind_2147-2-M	MidBlind_2753-1-D	MidBlind_2753-1-M	MidBlind_2753-2	MidBlind_2808-1	MidBlind_2808-2	MidBlind_2823-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	SOIL	SOIL	SOIL	SOIL	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	HEXACHLOROPHENE	µg/Kg	800 UJ	780 UJ	790 UJ	740 UJ	740 UJ	760 UJ	770 UJ	760 UJ	720 UJ	700 UJ	810 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	53 U	52 U	52 U	49 U	49 U	50 U	51 U	50 U	48 U	47 U	54 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	**29** J	**46** J	**35** J	25 U	26 U	**75** J	**94** J	**78** J	**120** J	**77** J	28 UJ
SVOC	ISODRIN	µg/Kg	22 U	22 U	22 U	21 U	21 U	21 U	21 U	21 U	20 U	20 U	23 U
SVOC	ISOPHORONE	µg/Kg	5.6 U	5.4 U	5.5 U	5.1 U	5.2 U	5.3 U	5.4 U	5.3 U	5 U	4.9 U	5.7 U
SVOC	ISOSAFROLE	µg/Kg	19 U	19 U	19 U	18 U	18 U	18 U	19 U	18 U	17 U	17 U	20 U
SVOC	METHAPYRILENE	µg/Kg	47 U	45 U	46 UJ	43 UJ	43 UJ	44 UJ	45 UJ	44 UJ	42 UJ	41 UJ	47 U
SVOC	METHYL METHANESULFONATE	µg/Kg	23 U	22 U	22 U	21 U	21 U	22 U	22 U	22 U	20 U	20 U	23 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U	10 U	12 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	9.1 U	8.8 U	8.9 U	8.3 U	8.4 U	8.6 U	8.7 U	8.6 U	8.1 U	8 U	9.2 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	21 U	20 U	21 U	19 U	20 U	20 U	20 U	20 U	19 U	19 U	21 U
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	48 UJ	47 UJ	47 UJ	44 UJ	45 UJ	46 UJ	46 UJ	46 UJ	43 UJ	42 UJ	49 U
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	13 U	13 U	13 UJ	12 UJ	12 UJ	13 UJ	13 UJ	13 UJ	12 UJ	12 UJ	13 U
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	18 U	18 U	18 UJ	17 UJ	17 UJ	17 UJ	17 UJ	17 UJ	16 UJ	16 UJ	18 U
SVOC	N-NITROSOMORPHOLINE	µg/Kg	21 U	21 U	21 U	20 U	20 U	20 U	21 U	20 U	19 U	19 U	22 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	13 U	13 U	13 U	12 U	12 U	12 U	13 U	12 U	12 U	11 U	13 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	400 U	390 U	390 U	370 U	370 U	380 U	390 U	380 U	360 U	350 U	410 U
SVOC	NAPHTHALENE	µg/Kg	32 U	31 U	31 U	29 U	30 U	30 U	31 U	30 U	29 U	28 U	33 U
SVOC	NITROBENZENE	µg/Kg	41 U	40 U	41 U	38 U	38 U	39 U	40 U	39 U	37 U	36 U	42 U
SVOC	O-TOLUIDINE	µg/Kg	400 U	390 U	390 U	370 U	370 U	380 U	390 U	380 U	360 U	350 U	410 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	15 U	14 U	14 U	13 U	14 U	14 U	14 U	14 U	13 U	13 U	15 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	33 U	32 U	32 U	30 U	30 U	31 U	31 U	31 U	29 U	29 U	33 UJ
SVOC	PENTACHLOROBENZENE	µg/Kg	32 U	31 U	31 U	29 U	30 U	30 U	31 U	30 U	29 U	28 U	33 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	22 U	22 U	22 U	20 U	21 U	21 U	21 U	21 U	20 U	20 U	23 U
SVOC	PENTACHLOROPHENOL	µg/Kg	36 UJ	34 UJ	35 UJ	33 UJ	33 UJ	34 UJ	34 UJ	34 UJ	32 UJ	31 UJ	36 U
SVOC	PHENACETIN	µg/Kg	14 U	14 U	14 U	13 U	13 U	13 U	14 U	13 U	13 U	12 U	14 U
SVOC	PHENANTHRENE	µg/Kg	**33** J	**41** J	**15** J	5.8 U	5.8 U	**48** J	**48** J	**43** J	**59** J	**34** J	**15** J
SVOC	PHENOL	µg/Kg	8.3 UJ	8 UJ	8.1 UJ	7.6 UJ	7.7 UJ	7.9 UJ	8 UJ	7.8 UJ	7.4 UJ	7.3 UJ	8.4 U
SVOC	PRONAMIDE	µg/Kg	13 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	11 U	13 U
SVOC	PYRENE	µg/Kg	**69** J	**45** J	**25** J	17 U	17 U	**77** J	**73** J	**67** J	**97** J	**59** J	**35** J
SVOC	PYRIDINE	µg/Kg	60 UJ	58 UJ	59 UJ	55 UJ	55 UJ	57 UJ	57 UJ	56 UJ	53 UJ	53 UJ	61 U
SVOC	SAFROLE	µg/Kg	17 U	16 U	17 U	16 U	16 U	16 U	16 U	16 U	15 U	15 U	17 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	400 U	390 U	390 U	370 U	370 U	380 U	390 U	380 U	360 U	350 U	410 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	12 U	9.7 U	11 U	8.8 U	9.6 U	8.7 U	9.3 U	8.3 U	10 U	9 U	9 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	8.4 U	6.8 U	8 U	6.2 U	6.7 U	6 U	6.5 U	5.8 U	7 U	6.3 U	6.3 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	12 U	9.9 U	12 U	9 U	9.8 U	8.8 U	9.5 U	8.5 U	10 U	9.2 U	9.2 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	7.8 U	6.3 U	7.4 U	5.7 U	6.2 U	5.6 U	6 U	5.4 U	6.5 U	5.8 U	5.8 U
VOC	1,1-DICHLOROETHANE	µg/Kg	11 U	8.7 U	10 U	8 U	8.6 U	7.8 U	8.4 U	7.5 U	9.1 U	8.1 U	8.1 U
VOC	1,1-DICHLOROETHENE	µg/Kg	25 U	20 U	23 U	18 U	20 U	18 U	19 U	17 U	20 U	18 U	18 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	17 U	14 U	16 U	12 U	13 U	12 U	13 U	12 U	14 U	13 U	13 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	10 U	8.2 U	9.7 U	7.5 U	8.1 U	7.4 U	7.9 U	7.1 U	8.5 U	7.7 U	7.7 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	60 U	58 U	59 U	55 U	56 U	57 U	58 U	57 U	54 U	53 U	61 U
VOC	1,2-DICHLOROETHANE	µg/Kg	7.8 U	6.3 U	7.4 U	5.7 U	6.2 U	5.6 U	6 U	5.4 U	6.5 U	5.8 U	5.8 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	7.7 U	6.2 U	7.3 U	5.6 U	6.1 U	5.5 U	5.9 U	5.3 U	6.4 U	5.7 U	5.7 U
VOC	1,3-DICHLOROBENZENE	µg/Kg	63 U	61 U	61 U	58 U	58 U	59 U	60 U	59 U	56 U	55 U	64 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	57 UJ	55 UJ	56 UJ	52 UJ	53 UJ	54 UJ	55 UJ	54 UJ	51 UJ	50 UJ	58 U
VOC	2-HEXANONE	µg/Kg	57 U	45 U	54 U	41 U	45 U	41 U	44 U	39 U	47 U	42 U	42 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
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			1582-1-D	1582-2	2147-1	2147-2-D	2147-2-M	2753-1-D	2753-1-M	2753-2	2808-1	2808-2	2823-1
			MidBlind_1582-1-D	MidBlind_1582-2	MidBlind_2147-1	MidBlind_2147-2-D	MidBlind_2147-2-M	MidBlind_2753-1-D	MidBlind_2753-1-M	MidBlind_2753-2	MidBlind_2808-1	MidBlind_2808-2	MidBlind_2823-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	SOIL	SOIL	SOIL	SOIL	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
VOC	ACETONE	µg/Kg	26 U	21 U	24 UJ	19 UJ	20 UJ	18 UJ	20 UJ	18 UJ	21 UJ	19 UJ	19 UJ
VOC	ACETONITRILE	µg/Kg	310 UJ	250 UJ	290 UJ	230 UJ	250 UJ	220 UJ	240 UJ	210 UJ	260 UJ	230 UJ	230 UJ
VOC	ACROLEIN	µg/Kg	160 UJ	130 UJ	150 UJ	120 UJ	130 UJ	120 UJ	120 UJ	110 UJ	130 UJ	120 UJ	120 UJ
VOC	ACRYLONITRILE	µg/Kg	49 U	39 U	46 U	36 U	39 U	35 U	38 U	34 U	41 U	36 U	36 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	68 U	55 U	65 U	50 U	54 U	49 U	53 U	47 U	57 U	51 U	51 U
VOC	BENZENE	µg/Kg	7.1 U	5.7 U	6.7 U	5.2 U	5.7 U	5.1 U	5.5 U	4.9 U	5.9 U	5.3 U	5.3 U
VOC	BROMODICHLOROMETHANE	µg/Kg	9.2 U	7.4 U	8.7 U	6.8 U	7.3 U	6.6 U	7.1 U	6.3 U	7.7 U	6.9 U	6.9 U
VOC	BROMOFORM	µg/Kg	12 U	9.3 U	11 U	8.5 U	9.2 U	8.3 U	8.9 U	7.9 U	9.6 U	8.6 U	8.7 U
VOC	BROMOMETHANE	µg/Kg	100 U	83 U	97 U	75 U	82 U	74 U	80 U	71 U	86 U	77 U	77 U
VOC	CARBON DISULFIDE	µg/Kg	7.5 U	6 U	7.1 U	5.5 U	5.9 U	5.4 U	5.8 U	5.1 U	6.2 U	5.6 U	5.6 U
VOC	CARBON TETRACHLORIDE	µg/Kg	8.2 U	6.6 U	7.8 U	6 U	6.5 U	5.9 U	6.3 U	5.6 U	6.8 U	6.1 U	6.1 U
VOC	CHLOROBENZENE	µg/Kg	11 U	9.1 U	11 U	8.3 U	9 U	8.1 U	8.7 U	7.8 U	9.4 U	8.4 U	8.5 U
VOC	CHLOROETHANE	µg/Kg	42 U	33 U	39 U	30 U	33 U	30 U	32 U	29 U	35 U	31 U	31 UJ
VOC	CHLOROFORM	µg/Kg	9.7 U	7.7 U	9.1 U	7.1 U	7.7 U	6.9 U	7.5 U	6.6 U	8 U	7.2 U	7.2 U
VOC	CHLOROMETHANE	µg/Kg	32 U	26 UJ	30 UJ	23 UJ	25 UJ	23 UJ	25 UJ	22 UJ	26 UJ	24 UJ	24 U
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	68 U	55 U	65 U	50 U	54 U	49 U	53 U	47 U	57 U	51 U	51 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	7.9 U	6.3 U	7.4 U	5.8 U	6.2 UJ	5.7 U	6.1 UJ	5.4 U	6.5 U	5.9 U	5.9 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	6.2 U	4.9 U	5.8 U	4.5 U	4.9 U	4.4 U	4.8 U	4.2 U	5.1 U	4.6 U	4.6 U
VOC	DIBROMOMETHANE	µg/Kg	11 U	8.6 U	10 U	7.8 U	8.5 U	7.7 U	8.2 U	7.3 U	8.9 U	8 U	8 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	25 U	20 U	24 U	18 U	20 U	18 U	19 U	17 U	21 U	19 U	19 U
VOC	ETHYL BENZENE	µg/Kg	14 UJ	11 UJ	13 U	10 U	11 U	10 U	11 U	9.7 U	12 U	11 U	11 U
VOC	ETHYL METHACRYLATE	µg/Kg	68 U	55 U	65 U	50 U	54 U	49 U	53 U	47 U	57 U	51 U	51 U
VOC	ISOBUTANOL	µg/Kg	68 UJ	55 UJ	65 U	50 U	54 U	49 U	53 U	47 U	57 U	51 U	51 UJ
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	21 U	17 U	20 U	16 U	17 U	15 U	17 U	15 U	18 U	16 U	16 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	62 UJ	50 UJ	59 UJ	45 UJ	49 UJ	**210** J	48 UJ	43 UJ	52 UJ	46 U	46 U
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	12 U	9.5 U	11 U	8.7 U	9.4 U	8.5 U	9.1 U	8.1 U	9.8 U	8.8 U	8.9 U
VOC	METHYL METHACRYLATE	µg/Kg	68 U	55 U	65 U	50 U	54 U	49 U	53 U	47 U	57 U	51 U	51 U
VOC	METHYLACRYLONITRILE	µg/Kg	340 U	280 U	320 U	250 U	270 U	250 U	260 U	240 U	280 U	260 U	260 U
VOC	METHYLENE CHLORIDE	µg/Kg	33 U	26 U	31 U	24 U	26 U	24 U	25 U	23 U	27 U	25 U	25 U
VOC	PENTOCHLORETHANE	µg/Kg	14 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	12 U	12 U	14 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	68 UJ	55 UJ	65 UJ	50 UJ	54 UJ	49 UJ	53 UJ	47 UJ	57 UJ	51 UJ	51 UJ
VOC	STYRENE	µg/Kg	10 U	8.4 U	9.8 U	7.6 U	8.3 U	7.5 U	8 U	7.1 U	8.7 U	7.8 U	7.8 U
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	13 U	11 U	12 U	9.6 U	10 U	9.4 U	10 U	9 U	11 U	9.8 U	9.8 U
VOC	TOLUENE	µg/Kg	**290** J	**210** J	36 UJ	28 UJ	30 UJ	27 UJ	29 UJ	26 UJ	**1000** J	28 UJ	28 U
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	11 U	9 U	11 U	8.2 U	8.9 U	8.1 U	8.7 U	7.7 U	9.3 U	8.4 U	8.4 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	9.7 U	7.7 U	9.1 U	7.1 U	7.7 U	6.9 U	7.5 UJ	6.6 U	8 U	7.2 U	7.2 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	49 U	40 U	47 U	36 U	39 U	35 U	38 U	34 U	41 U	37 U	37 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	12 U	9.7 U	12 U	8.9 U	9.6 U	8.7 U	9.4 U	8.3 U	10 U	9 U	9.1 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	17 U	14 U	16 U	13 U	14 U	12 U	13 U	12 U	14 U	13 U	13 U
VOC	VINYL ACETATE	µg/Kg	67 U	54 U	63 U	49 U	53 U	48 U	52 U	46 U	56 U	50 U	50 U
VOC	VINYL CHLORIDE	µg/Kg	24 U	19 U	23 U	18 U	19 UJ	17 U	19 UJ	17 U	20 U	18 U	18 U
VOC	XYLENES, TOTAL	µg/Kg	39 U	31 U	37 U	29 U	31 U	**190**	**210**	27 U	**230**	29 U	29 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
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			2823-2	3374-1	3374-2	3672-1	3672-2	4460-1	4460-2	4507-1	4507-2	4528-1	4528-2
			MidBlind_2823-2	MidBlind_3374-1	MidBlind_3374-2	MidBlind_3672-1	MidBlind_3672-2	MidBlind_4460-1	MidBlind_4460-2	MidBlind_4507-1	MidBlind_4507-2	MidBlind_4528-1	MidBlind_4528-2
			11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
GEN	CYANIDE, TOTAL	µg/Kg	**65** J	**170**	**170**	**65** J	**38** J	**96** J	**47** J	**100** J	**89** J	0.0066 U	0.0066 U
GEN	SULFIDE	mg/kg	100 U	93 U	89 U	100 U	100 U	96 U	93 U	94 U	94 U	88 U	88 U
GEN	TOTAL ORGANIC CARBON	mg/kg	**17000**	**20000**	**7600**	**31000**	73 U	**43000**	**41000**	**18000**	**21000**	**7300**	**5400**
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	2.6 UJ	2.3 U	2.2 U	2.6 U	2.6 U	2.4 U	2.3 U	2.3 U	2.4 U	2.2 U	2.2 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	2.2 UJ	1.9 UJ	1.9 UJ	2.1 U	2.1 U	2 U	1.9 U	1.9 U	2 U	1.8 U	1.8 U
HERB	DINOSEB	µg/Kg	68 UJ	60 U	58 U	68 UJ	67 UJ	63 U	60 U	61 UJ	62 UJ	58 UJ	58 UJ
HERB	SILVEX (2,4,5-TP)	µg/Kg	2.3 UJ	2 U	2 U	2.3 U	2.2 U	2.1 U	2 U	2 U	2.1 U	1.9 U	1.9 U
MET	ANTIMONY	µg/Kg	250 U	220 U	210 U	250 U	240 U	**250** J	220 U	230 U	230 U	210 U	210 U
MET	ARSENIC	µg/Kg	**4500**	**1600**	**1700**	**5600**	**5900**	**7900**	**12000**	**2100**	**2200**	**2900**	**2000**
MET	BARIUM	µg/Kg	**39000**	**33000**	**35000**	**40000**	**44000**	**41000**	**37000**	**32000**	**36000**	**13000**	**10000**
MET	BERYLLIUM	µg/Kg	**310**	**210** J	**220**	**340**	**370**	**230** J	**190** J	**220** J	**280**	**73** J	**54** J
MET	CADMIUM	µg/Kg	16 U	**180** J	**140** J	**340**	**340**	**290**	**310**	15 U	15 U	**110** J	**88** J
MET	CHROMIUM, TOTAL	µg/Kg	**5800**	**6400**	**6000**	**5700**	**6300**	**3500**	**3900**	**5700**	**7000**	**1000**	**780**
MET	COBALT	µg/Kg	**2600**	**2400**	**2400**	**2000**	**2200**	**1100**	**1500**	**1700**	**2000**	**520**	**400** J
MET	COPPER	µg/Kg	**19000**	**11000**	**11000**	**17000**	**18000**	**17000**	**22000**	**6900**	**7800**	**9100**	**7100**
MET	LEAD	µg/Kg	**14000**	**32000**	**20000**	**28000**	**30000**	**120000**	**75000**	**15000**	**17000**	**7000**	**4700**
MET	MERCURY	µg/Kg	**28**	**40**	**32**	**44**	**42**	**61**	**75**	**36**	**36**	3.9 U	4 U
MET	NICKEL	µg/Kg	**6100**	**7100**	**7200**	**6400**	**6700**	**4400**	**7600**	**4800**	**5700**	**1700**	**1800**
MET	SELENIUM	µg/Kg	550 U	480 U	470 U	550 U	**1200**	510 U	490 U	490 U	500 U	470 U	470 U
MET	SILVER	µg/Kg	61 U	54 U	53 U	61 U	60 U	56 U	54 U	55 U	56 U	52 U	52 U
MET	THALLIUM	µg/Kg	220 U	200 U	190 U	220 U	220 U	200 U	200 U	200 U	200 U	190 U	190 U
MET	TIN	µg/Kg	580 U	510 U	500 U	580 U	570 U	**1700** J	**30000**	520 U	**3700** J	500 U	500 U
MET	VANADIUM	µg/Kg	**12000**	**10000**	**11000**	**11000**	**12000**	**4500**	**5200**	**8500**	**11000**	**3000**	**2300**
MET	ZINC	µg/Kg	**97000**	**37000**	**29000**	**31000**	**32000**	**49000**	**40000**	60 U	60 U	**13000**	**7400**
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	7 U	6.2 U	5.9 U	6.9 U	6.8 U	13 U	62 U	6.3 U	6.3 U	5.9 U	5.8 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	12 U	11 U	10 U	12 U	12 U	22 U	110 U	11 U	11 U	10 U	10 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	13 U	12 U	11 U	13 U	13 U	24 U	120 U	12 U	12 U	11 U	11 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	15 U	14 U	13 U	15 U	15 U	28 U	140 U	14 U	14 U	13 U	13 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	10 U	9 U	8.6 U	10 U	9.8 U	19 U	91 U	9.2 U	9.2 U	8.6 U	8.5 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	8.4 U	7.5 U	7.2 U	8.3 U	8.2 U	16 U	75 U	7.6 U	7.6 U	7.2 U	7.1 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	7 U	6.2 U	6 U	7 U	6.8 U	13 U	63 U	6.4 U	6.4 U	6 U	5.9 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	9.3 U	8.2 U	7.9 U	9.2 U	9 U	17 U	83 U	8.4 U	8.4 U	7.9 U	7.8 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	13 U	11 U	11 U	12 U	12 U	23 U	110 U	11 U	11 U	11 U	11 U
PCB	SUMMED PCB	µg/Kg	**47**	**42**	**40**	**47**	**46**	**87**	**420**	**43**	**43**	**40**	**40**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	49 U	40 U	50 U	98 U	46 U	54 U	53 U	45 U	48 U	41 U	43 U
PEST	4,4'-DDD	µg/Kg	0.75 U	**0.92** J	**1** J	**1.1** J	**3.2** J	1.4 U	**39** J	0.68 U	0.68 U	0.64 U	0.63 U
PEST	4,4'-DDE	µg/Kg	**2** J	**11** J	**6.6** J	**7.1** J	**9.1** J	**18** J	**520**	**4.7** J	**4.8** J	0.86 U	0.85 U
PEST	4,4'-DDT	µg/Kg	**2.8** J	**8.3** J	**7.4** J	**3.7** J	**4** J	2.1 U	**170** J	**4.1** J	**4** J	0.97 U	0.96 U
PEST	ALDRIN	µg/Kg	0.78 U	0.69 U	0.66 U	0.77 U	0.75 U	1.4 U	7 U	**0.8** J	**0.86** J	0.66 U	0.65 U
PEST	ALPHA BHC	µg/Kg	0.99 U	0.87 U	0.84 U	0.98 U	0.96 U	1.8 U	8.8 U	0.89 U	0.89 U	0.84 U	0.83 U
PEST	BETA BHC	µg/Kg	1.1 U	0.94 U	0.91 U	1.1 U	1 U	2 U	9.5 U	0.96 U	0.97 U	0.9 U	0.89 U
PEST	CHLORDANE	µg/Kg	1 U	0.92 U	0.88 U	1 U	1 U	**300**	9.3 U	0.94 U	0.94 U	0.88 U	0.87 U
PEST	DELTA BHC	µg/Kg	0.96 U	0.85 U	0.82 U	0.95 U	**1** J	1.8 U	8.6 U	0.87 U	0.87 U	0.82 U	0.81 U
PEST	DIELDRIN	µg/Kg	0.78 U	0.69 U	0.66 U	0.77 U	0.75 U	**2** J	7 U	0.7 U	0.71 U	0.66 U	0.65 U
PEST	DIMETHOATE	µg/Kg	66 U	58 U	57 U	66 U	65 U	61 U	59 U	60 U	61 U	57 U	57 U
PEST	DISULFOTON	µg/Kg	11 U	9.8 U	9.5 U	11 U	11 U	10 U	9.9 U	10 U	10 U	9.5 U	9.5 U
PEST	ENDOSULFAN I	µg/Kg	0.6 U	0.53 U	0.51 U	0.59 U	0.58 U	1.1 U	5.4 U	0.54 U	0.54 U	0.51 U	0.5 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			2823-2	3374-1	3374-2	3672-1	3672-2	4460-1	4460-2	4507-1	4507-2	4528-1	4528-2
			MidBlind_2823-2	MidBlind_3374-1	MidBlind_3374-2	MidBlind_3672-1	MidBlind_3672-2	MidBlind_4460-1	MidBlind_4460-2	MidBlind_4507-1	MidBlind_4507-2	MidBlind_4528-1	MidBlind_4528-2
			11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
PEST	ENDOSULFAN II	µg/Kg	0.65 U	0.57 U	0.55 U	0.64 U	0.63 U	**6.5** J	5.8 U	0.59 U	0.59 U	0.55 U	0.54 U
PEST	SUMMED Endosulfan (I and II)	µg/Kg	**0.62**	**0.55**	**0.53**	**0.62**	**0.6**	**7**	**5.6**	**0.56**	**0.56**	**0.53**	**0.52**
PEST	ENDOSULFAN SULFATE	µg/Kg	0.94 U	0.83 U	0.8 U	0.93 U	0.91 U	**27** J	8.4 U	0.84 U	0.85 U	0.79 U	0.78 U
PEST	ENDRIN	µg/Kg	0.95 U	0.84 U	0.81 U	0.94 U	0.92 U	1.8 U	8.5 U	0.86 U	0.86 U	0.81 U	0.79 U
PEST	ENDRIN ALDEHYDE	µg/Kg	0.97 U	0.86 U	0.83 U	0.96 U	0.94 U	1.8 U	8.7 U	0.88 U	0.88 U	0.83 U	0.82 U
PEST	FAMPHUR	µg/Kg	36 UJ	32 UJ	31 UJ	36 UJ	36 UJ	33 UJ	32 UJ	33 UJ	33 UJ	31 UJ	31 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	0.75 U	0.67 U	0.64 U	0.75 U	0.73 U	1.4 U	6.7 U	0.68 U	0.68 U	0.64 U	0.63 U
PEST	HEPTACHLOR	µg/Kg	0.78 U	0.69 U	0.66 U	0.77 U	0.75 U	1.4 U	7 U	0.7 U	0.71 U	0.66 U	0.65 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	1.1 U	**1.1** J	0.92 U	1.1 U	1 U	**8.1** J	9.7 U	0.97 U	0.98 U	0.92 U	0.9 U
PEST	KEPONE	µg/Kg	2100 U	1900 U	1800 U	2100 U	2100 U	2000 U	1900 U	1900 U	2000 U	1800 U	1800 U
PEST	METHOXYCHLOR	µg/Kg	1.3 U	1.2 U	1.1 U	1.3 U	**2.9** J	2.4 U	12 U	1.2 U	1.2 U	1.1 U	1.1 U
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	12 U	11 U	10 U	12 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	22 U	20 U	19 U	22 U	22 U	20 U	20 U	20 U	20 U	19 U	19 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	22 U	19 U	19 U	22 U	22 U	20 U	19 U	20 U	20 U	19 U	19 U
PEST	PARATHION, METHYL	µg/Kg	14 U	13 U	12 U	14 U	14 U	13 U	13 U	13 U	13 U	12 U	12 U
PEST	PHORATE	µg/Kg	11 UJ	9.9 U	9.6 U	11 UJ	11 UJ	10 U	10 U	10 UJ	10 UJ	9.6 UJ	9.6 UJ
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	850 U	750 U	730 U	850 U	840 U	790 U	760 U	770 U	780 U	730 U	730 U
PEST	TOXAPHENE	µg/Kg	12 U	11 U	10 U	12 U	12 U	22 U	110 U	11 U	11 U	10 U	10 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	10 U	9 U	8.8 U	10 U	10 U	9.5 U	9.2 U	9.3 U	9.4 U	8.8 U	8.8 U
SVOC	1,3-DINITROBENZENE	µg/Kg	9.5 U	8.4 U	8.2 U	9.5 U	9.4 U	8.8 U	8.5 U	8.6 U	8.7 U	8.2 U	8.2 U
SVOC	1,4-DIOXANE	µg/Kg	430 UJ	380 U	370 U	430 UJ	420 UJ	390 U	380 U	390 UJ	390 UJ	370 UJ	370 UJ
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	14 UJ	13 U	12 U	14 UJ	14 UJ	13 U	13 U	13 UJ	13 UJ	12 UJ	12 UJ
SVOC	1-NAPHTHYLAMINE	µg/Kg	430 U	380 U	370 U	430 U	420 U	390 U	380 U	390 U	390 U	370 U	370 U
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	42 U	37 U	36 U	42 U	41 U	39 U	37 U	38 U	38 U	36 U	36 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	17 U	15 U	15 U	17 U	17 U	16 U	16 U	16 U	16 U	15 U	15 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	9.7 U	8.5 U	8.3 U	9.7 U	9.5 U	8.9 U	8.6 U	8.7 U	8.8 U	8.3 U	8.3 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	7.4 U	6.5 U	6.3 U	7.4 U	7.3 U	6.8 U	6.6 U	6.7 U	6.7 U	6.3 U	6.3 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	32 U	28 U	27 U	32 U	32 U	30 U	29 U	29 U	29 U	27 U	27 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	70 U	62 U	60 U	70 U	69 U	65 U	63 U	64 U	64 U	60 U	60 U
SVOC	2,4-DINITROPHENOL	µg/Kg	25 UJ	22 U	21 U	25 UJ	24 UJ	23 U	22 U	22 UJ	22 UJ	21 UJ	21 UJ
SVOC	2,4-DINITROTOLUENE	µg/Kg	35 U	31 U	30 U	35 U	34 U	32 U	31 U	31 U	32 U	30 U	30 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	17 U	15 U	15 U	17 U	17 U	16 U	15 U	16 U	16 U	15 U	15 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	7.4 U	6.5 U	6.3 U	7.4 U	7.3 U	6.8 U	6.6 U	6.7 U	6.7 U	6.3 U	6.3 U
SVOC	2-Acetylaminofluorene	µg/Kg	17 U	15 U	14 U	17 U	16 U	15 U	15 U	15 U	15 U	14 U	14 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	31 U	28 U	27 U	31 U	31 U	29 U	28 U	28 U	29 U	27 U	27 U
SVOC	2-CHLOROPHENOL	µg/Kg	32 U	28 U	27 U	32 U	32 U	30 U	29 U	29 U	29 U	27 U	27 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	9.2 U	8.1 U	7.9 U	9.2 U	9.1 U	**12** J	**16** J	8.3 U	8.4 U	7.9 U	7.9 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	22 U	19 U	19 U	22 U	21 U	20 U	19 U	20 U	20 U	19 U	19 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	430 U	380 U	370 U	430 U	420 U	390 U	380 U	390 U	390 U	370 U	370 U
SVOC	2-NITROANILINE	µg/Kg	9.7 U	8.6 U	8.4 U	9.7 U	9.6 U	9 U	8.7 U	8.8 U	8.9 U	8.4 U	8.4 U
SVOC	2-NITROPHENOL	µg/Kg	12 U	11 U	11 U	12 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	12 U	11 U	11 U	12 U	12 U	12 U	11 U	11 U	11 U	11 U	11 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	72 U	64 U	62 U	72 U	71 U	67 U	64 U	65 U	66 U	62 U	62 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	430 U	380 U	370 U	430 U	420 U	390 U	380 U	390 U	390 U	370 U	370 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	23 U	20 U	19 U	23 U	22 U	21 U	20 U	20 U	21 U	19 U	19 U

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UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
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			2823-2	3374-1	3374-2	3672-1	3672-2	4460-1	4460-2	4507-1	4507-2	4528-1	4528-2
			MidBlind_2823-2	MidBlind_3374-1	MidBlind_3374-2	MidBlind_3672-1	MidBlind_3672-2	MidBlind_4460-1	MidBlind_4460-2	MidBlind_4507-1	MidBlind_4507-2	MidBlind_4528-1	MidBlind_4528-2
			11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	3-NITROANILINE	µg/Kg	8.5 U	7.5 U	7.3 U	8.5 U	8.4 U	7.9 U	7.6 U	7.7 U	7.8 U	7.3 U	7.3 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	16 U	14 U	14 U	16 U	16 U	15 U	14 U	15 U	15 U	14 U	14 U
SVOC	4-AMINOBIPHENYL	µg/Kg	12 U	11 U	10 U	12 U	12 U	11 U	11 U	11 U	11 U	10 U	10 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	16 U	14 U	14 U	16 U	16 U	15 U	14 U	14 U	15 U	14 U	14 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	13 U	11 U	11 U	13 U	13 U	12 U	11 U	12 U	12 U	11 U	11 U
SVOC	4-CHLOROANILINE	µg/Kg	53 U	46 U	45 U	53 U	52 U	49 U	47 U	48 U	48 U	45 U	45 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	6 U	5.3 U	5.1 U	6 U	5.9 U	5.6 U	5.4 U	5.4 U	5.5 U	5.1 U	5.1 U
SVOC	4-NITROANILINE	µg/Kg	50 U	44 U	43 U	50 U	49 U	46 U	44 U	45 U	46 U	43 U	43 U
SVOC	4-NITROPHENOL	µg/Kg	11 U	9.4 U	9.1 U	11 U	11 U	9.9 U	9.5 U	9.7 U	9.8 U	9.1 U	9.1 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	10 U	9.1 U	8.9 U	10 U	10 U	9.6 U	9.2 U	9.4 U	9.5 U	8.9 U	8.9 U
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	14 U	12 U	12 U	14 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	17 U	15 U	14 U	17 U	16 U	15 U	15 U	15 U	15 U	14 U	14 U
SVOC	ACENAPHTHENE	µg/Kg	9.2 U	8.1 UJ	7.9 UJ	9.2 U	9.1 U	8.5 UJ	8.2 UJ	8.3 U	8.4 U	7.9 U	7.9 U
SVOC	ACENAPHTHYLENE	µg/Kg	9.3 U	8.2 U	8 U	9.3 U	9.2 U	8.6 U	8.3 U	8.4 U	8.5 U	8 U	8 U
SVOC	ACETOPHENONE	µg/Kg	11 U	9.3 U	9 U	11 U	10 U	9.8 U	9.4 U	9.6 U	9.7 U	9.1 U	9 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	430 U	380 U	370 U	430 U	420 U	390 U	380 U	390 U	390 U	370 U	370 U
SVOC	ANILINE	µg/Kg	55 U	49 U	47 U	55 U	54 U	51 U	49 U	50 U	50 U	47 U	47 U
SVOC	ANTHRACENE	µg/Kg	6.4 U	5.6 U	5.5 U	6.4 U	6.3 U	**14** J	**23** J	**8.2** J	5.9 U	5.5 U	5.5 U
SVOC	ARAMITE (TOTAL)	µg/Kg	88 U	78 U	76 U	88 U	87 U	82 U	79 U	80 U	81 U	76 U	76 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	7.5 U	6.6 U	6.5 U	7.5 U	7.4 U	7 U	**160** J	6.8 U	6.9 U	6.5 U	6.5 U
SVOC	BENZO(A)PYRENE	µg/Kg	**18** J	**28** J	8.7 UJ	**78** J	**62** J	9.4 UJ	**170** J	**40** J	**24** J	8.7 U	**9.8** J
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	**44** J	**75** J	**60** J	**110** J	**110** J	**170** J	**250** J	**69** J	**61** J	**34** J	**27** J
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	**42** J	**170** J	**150** J	**120** J	**87** J	**210** J	**270** J	**51** J	**45** J	**39** J	**35** J
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	12 U	**56** J	**51** J	**34** J	**28** J	**92** J	**140** J	**27** J	**14** J	9.9 U	9.9 U
SVOC	BENZYL ALCOHOL	µg/Kg	9.3 U	8.2 U	8 U	9.3 U	9.2 U	8.6 U	8.3 U	8.5 U	8.6 U	8 U	8 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	9.8 UJ	8.7 U	8.4 U	9.8 U	9.7 U	9.1 U	8.7 U	**11** J	9 U	8.4 U	8.4 U
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	6.6 U	5.8 U	5.7 U	6.6 U	6.5 U	6.1 U	5.9 U	6 U	6.1 U	5.7 U	5.7 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	46 U	41 U	40 U	46 U	46 U	43 U	41 U	42 U	42 U	40 U	40 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	**63** J	**49** J	**44** J	**33** J	**38** J	**49** J	**62** J	**97** J	**86** J	17 U	17 U
SVOC	CHLOROBENZILATE	µg/Kg	24 U	21 U	21 U	24 U	24 U	22 U	22 U	22 U	22 U	21 U	21 U
SVOC	CHRYSENE	µg/Kg	14 U	**45** J	**38** J	**25** J	**25** J	**110** J	**180** J	12 U	12 U	12 U	12 U
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	8.6 U	7.6 U	**34** J	8.6 U	8.5 U	7.9 U	**11** J	7.8 U	7.8 U	7.3 U	7.3 U
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	8.9 UJ	7.9 U	7.7 U	8.9 U	8.8 U	8.3 U	8 U	8.1 UJ	8.2 UJ	7.7 U	7.7 U
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	36 U	31 U	31 U	36 U	35 U	33 U	32 U	32 U	33 U	31 U	31 U
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	40 U	35 U	34 U	40 U	39 U	**44** J	**66** J	36 U	36 U	34 U	34 U
SVOC	DIBENZOFURAN	µg/Kg	5.5 U	4.8 U	4.7 U	5.5 U	5.4 U	5.1 U	4.9 U	5 U	5 U	4.7 U	4.7 U
SVOC	DIETHYL PHTHALATE	µg/Kg	7 U	6.2 U	6 U	7 U	6.9 U	6.5 U	6.2 U	6.3 U	6.4 U	6 U	6 U
SVOC	DIMETHYL PHTHALATE	µg/Kg	25 U	22 U	22 U	25 U	25 U	23 U	23 U	23 U	23 U	22 U	22 U
SVOC	DIPHENYLAMINE	µg/Kg	35 U	31 U	30 U	35 U	34 U	32 U	31 U	31 U	32 U	30 U	30 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	15 U	14 U	13 U	15 U	15 U	14 U	14 U	14 U	14 U	13 U	13 U
SVOC	FLUORANTHENE	µg/Kg	**22** J	**41** J	**31** J	**120** J	**77** J	**140** J	**220** J	**70** J	**38** J	**15** J	**14** J
SVOC	FLUORENE	µg/Kg	7.2 U	6.3 U	6.1 U	7.2 U	7.1 U	6.6 U	6.4 U	6.5 U	6.6 U	6.1 U	6.1 U
SVOC	HEXACHLOROBENZENE	µg/Kg	12 U	11 U	11 U	12 U	12 U	12 U	11 U	11 U	11 U	11 U	11 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	42 U	37 U	36 U	42 U	41 U	38 U	37 U	38 U	38 U	36 U	36 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	32 U	28 U	27 U	32 U	31 U	29 U	28 U	29 U	29 U	27 U	27 U
SVOC	HEXACHLOROETHANE	µg/Kg	57 U	50 U	49 U	57 U	56 U	53 U	51 U	51 U	52 U	49 U	49 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			2823-2	3374-1	3374-2	3672-1	3672-2	4460-1	4460-2	4507-1	4507-2	4528-1	4528-2
			MidBlind_2823-2	MidBlind_3374-1	MidBlind_3374-2	MidBlind_3672-1	MidBlind_3672-2	MidBlind_4460-1	MidBlind_4460-2	MidBlind_4507-1	MidBlind_4507-2	MidBlind_4528-1	MidBlind_4528-2
			11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	HEXACHLOROPHENE	µg/Kg	850 UJ	750 UJ	730 UJ	850 UJ	840 UJ	790 UJ	760 UJ	770 UJ	780 UJ	730 UJ	730 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	57 U	50 U	49 U	57 U	56 U	52 U	51 U	51 U	52 U	49 U	49 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	29 UJ	**28** J	25 U	**85** J	29 UJ	**71** J	**130** J	27 UJ	27 UJ	25 UJ	25 UJ
SVOC	ISODRIN	µg/Kg	24 U	21 U	20 U	24 U	23 U	22 U	21 U	22 U	22 U	20 U	20 U
SVOC	ISOPHORONE	µg/Kg	5.9 U	5.2 U	5.1 U	5.9 U	5.9 U	5.5 U	5.3 U	5.4 U	5.4 U	5.1 U	5.1 U
SVOC	ISOSAFROLE	µg/Kg	21 U	18 U	18 U	21 U	20 U	19 U	18 U	19 U	19 U	18 U	18 U
SVOC	METHAPYRILENE	µg/Kg	50 U	44 U	43 U	50 U	49 U	46 U	44 U	45 U	45 U	43 U	42 U
SVOC	METHYL METHANESULFONATE	µg/Kg	24 U	21 U	21 U	24 U	24 U	22 U	22 U	22 U	22 U	21 U	21 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	12 U	11 U	11 U	12 U	12 U	12 U	11 U	11 U	11 U	11 U	11 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	9.7 U	8.5 U	8.3 U	9.7 U	9.5 U	8.9 U	8.6 U	8.7 U	8.8 U	8.3 U	8.3 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	22 U	20 U	19 U	22 U	22 U	21 U	20 U	20 U	21 U	19 U	19 U
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	51 U	45 UJ	44 UJ	51 U	51 U	47 UJ	46 UJ	46 U	47 U	44 U	44 U
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	14 U	12 U	12 U	14 U	14 U	13 U	13 U	13 U	13 U	12 U	12 U
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	19 U	17 U	17 U	19 U	19 U	18 U	17 U	17 U	18 U	17 U	17 U
SVOC	N-NITROSOMORPHOLINE	µg/Kg	23 U	20 U	20 U	23 U	22 U	21 U	20 U	21 U	21 U	20 U	20 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	14 U	12 U	12 U	14 U	14 U	13 U	12 U	13 U	13 U	12 U	12 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	430 U	380 U	370 U	430 U	420 U	390 U	380 U	390 U	390 U	370 U	370 U
SVOC	NAPHTHALENE	µg/Kg	34 U	30 U	29 U	34 U	34 U	32 U	30 U	31 U	31 U	29 U	29 U
SVOC	NITROBENZENE	µg/Kg	44 U	39 U	38 U	44 U	43 U	41 U	39 U	40 U	40 U	38 U	38 U
SVOC	O-TOLUIDINE	µg/Kg	430 U	380 U	370 U	430 U	420 U	390 U	380 U	390 U	390 U	370 U	370 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	16 U	14 U	13 U	16 U	15 U	14 U	14 U	14 U	14 U	13 U	13 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	35 UJ	31 U	30 U	35 UJ	34 UJ	32 U	31 U	31 UJ	32 UJ	30 UJ	30 UJ
SVOC	PENTACHLOROBENZENE	µg/Kg	34 U	30 U	29 U	34 U	34 U	32 U	30 U	31 U	31 U	29 U	29 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	24 U	21 U	20 U	24 U	23 U	22 U	21 U	21 U	22 U	20 U	20 U
SVOC	PENTACHLOROPHENOL	µg/Kg	38 U	33 UJ	32 UJ	38 UJ	37 UJ	35 UJ	34 UJ	34 U	35 U	32 UJ	32 UJ
SVOC	PHENACETIN	µg/Kg	15 U	13 U	13 U	15 U	15 U	14 U	13 U	14 U	14 U	13 U	13 U
SVOC	PHENANTHRENE	µg/Kg	**16** J	**20** J	**18** J	**44** J	**39** J	**62** J	**84** J	**52** J	**18** J	5.7 U	5.7 U
SVOC	PHENOL	µg/Kg	8.8 U	7.8 UJ	7.6 UJ	8.8 U	8.7 U	8.2 UJ	7.9 UJ	8 U	8.1 U	7.6 U	7.6 U
SVOC	PRONAMIDE	µg/Kg	13 U	12 U	12 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U
SVOC	PYRENE	µg/Kg	**39** J	**45** J	**28** J	**120** J	**120** J	**150** J	**290** J	**110** J	**60** J	**19** J	**24** J
SVOC	PYRIDINE	µg/Kg	64 U	56 UJ	54 UJ	64 U	63 U	59 UJ	57 UJ	58 U	58 U	54 U	54 U
SVOC	SAFROLE	µg/Kg	18 U	16 U	16 U	18 U	18 U	17 U	16 U	16 U	17 U	16 U	16 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	430 U	380 U	370 U	430 U	420 U	390 U	380 U	390 U	390 U	370 U	370 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	9.9 U	8.2 U	10 U	20 U	9.4 U	11 U	11 U	9.1 U	9.8 U	8.3 U	8.7 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	6.9 U	5.7 U	7.1 U	14 U	6.6 U	7.7 U	7.6 U	6.3 U	6.9 U	5.8 U	6.1 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	10 U	8.4 U	10 U	20 U	9.7 U	11 U	11 U	9.3 U	10 U	8.5 U	8.9 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	6.4 U	5.3 U	6.6 U	13 U	6.1 U	7.2 U	7 U	5.9 U	6.4 U	5.4 U	5.7 U
VOC	1,1-DICHLOROETHANE	µg/Kg	8.9 U	7.4 U	9.2 U	18 U	8.5 U	10 U	9.8 U	8.2 U	8.9 U	7.5 U	7.9 U
VOC	1,1-DICHLOROETHENE	µg/Kg	20 U	17 U	21 U	41 U	19 U	23 U	22 U	19 U	20 U	17 U	18 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	14 U	11 U	14 U	28 U	13 U	15 U	15 U	13 U	14 U	12 U	12 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	8.4 U	7 U	8.7 U	17 U	8 U	9.4 U	9.2 U	7.7 U	8.4 U	7.1 U	7.4 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	64 U	56 U	55 U	64 U	63 U	59 U	57 U	58 U	58 U	55 U	55 U
VOC	1,2-DICHLOROETHANE	µg/Kg	6.4 U	5.3 U	6.6 U	13 U	6.1 U	7.2 U	7 U	5.9 U	6.4 U	5.4 U	5.7 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	6.3 U	5.2 U	6.5 U	13 U	6 U	7 U	6.9 U	5.8 U	6.3 U	5.3 U	5.6 U
VOC	1,3-DICHLOROBENZENE	µg/Kg	67 U	59 U	57 U	67 U	66 U	62 U	59 U	60 U	61 U	57 U	57 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	61 U	53 UJ	52 UJ	61 U	60 U	56 UJ	54 UJ	55 U	55 U	52 U	52 U
VOC	2-HEXANONE	µg/Kg	46 U	38 U	48 U	93 U	44 U	52 U	51 U	43 U	46 U	39 U	41 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			2823-2	3374-1	3374-2	3672-1	3672-2	4460-1	4460-2	4507-1	4507-2	4528-1	4528-2
			MidBlind_2823-2	MidBlind_3374-1	MidBlind_3374-2	MidBlind_3672-1	MidBlind_3672-2	MidBlind_4460-1	MidBlind_4460-2	MidBlind_4507-1	MidBlind_4507-2	MidBlind_4528-1	MidBlind_4528-2
			11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
VOC	ACETONE	µg/Kg	21 UJ	17 U	22 U	**630** J	20 U	24 U	23 U	19 UJ	21 UJ	18 UJ	19 UJ
VOC	ACETONITRILE	µg/Kg	250 UJ	210 UJ	260 UJ	510 UJ	240 UJ	280 UJ	280 UJ	230 UJ	250 UJ	210 UJ	220 UJ
VOC	ACROLEIN	µg/Kg	130 UJ	110 UJ	140 UJ	270 U	130 U	150 UJ	140 UJ	120 UJ	130 UJ	110 U	120 U
VOC	ACRYLONITRILE	µg/Kg	40 U	33 U	41 U	81 U	38 U	45 U	44 U	37 U	40 U	34 U	35 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	56 U	47 U	58 U	110 U	54 U	63 U	61 U	51 U	56 U	47 U	50 U
VOC	BENZENE	µg/Kg	5.8 U	4.8 U	6 U	12 U	5.6 U	6.5 U	6.4 U	5.4 U	5.8 U	4.9 U	5.2 U
VOC	BROMODICHLOROMETHANE	µg/Kg	7.6 U	6.3 U	7.8 U	15 U	7.2 U	8.5 U	8.3 U	6.9 U	7.6 U	6.4 U	6.7 U
VOC	BROMOFORM	µg/Kg	9.5 U	7.9 U	9.8 U	19 U	9.1 U	11 U	10 U	8.7 U	9.5 U	8 U	8.4 U
VOC	BROMOMETHANE	µg/Kg	84 U	70 U	87 U	170 U	81 U	94 U	93 U	77 U	84 U	71 U	75 U
VOC	CARBON DISULFIDE	µg/Kg	6.1 U	5.1 U	6.3 U	12 U	5.8 U	6.8 U	6.7 U	5.6 U	6.1 U	5.2 U	5.4 U
VOC	CARBON TETRACHLORIDE	µg/Kg	6.7 U	5.6 U	6.9 U	14 U	6.4 U	7.5 U	7.4 U	6.2 U	6.7 U	5.7 U	6 U
VOC	CHLOROBENZENE	µg/Kg	9.3 U	7.7 U	9.5 U	19 U	8.9 U	10 U	10 U	8.5 U	9.2 U	7.8 U	8.2 U
VOC	CHLOROETHANE	µg/Kg	34 UJ	28 U	35 U	69 UJ	33 UJ	38 U	37 U	31 UJ	34 UJ	29 UJ	30 UJ
VOC	CHLOROFORM	µg/Kg	7.9 U	6.6 U	8.1 U	16 U	7.6 U	8.9 U	8.7 U	7.3 U	7.9 U	6.7 U	7 U
VOC	CHLOROMETHANE	µg/Kg	**110**	22 U	27 U	53 U	25 U	29 U	29 U	24 U	26 U	22 U	23 U
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	56 U	47 U	58 U	110 U	54 U	63 U	61 U	51 U	56 U	47 U	50 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	6.5 U	5.4 U	6.6 U	13 U	6.2 U	7.2 U	7.1 U	5.9 U	6.4 U	5.5 U	5.7 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	5.1 U	4.2 U	5.2 U	10 U	4.8 U	5.7 U	5.5 U	4.6 U	5 U	4.3 U	4.5 U
VOC	DIBROMOMETHANE	µg/Kg	8.8 U	7.3 U	9 U	18 U	8.4 U	9.8 U	9.6 U	8 U	8.7 U	7.4 U	7.7 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	20 U	17 U	21 U	41 U	20 U	23 U	22 U	19 U	20 U	17 UJ	18 UJ
VOC	ETHYL BENZENE	µg/Kg	12 U	9.6 UJ	12 UJ	23 U	11 U	13 UJ	13 UJ	11 U	12 U	9.8 U	10 U
VOC	ETHYL METHACRYLATE	µg/Kg	56 U	47 U	58 U	110 U	54 U	63 U	61 U	51 U	56 U	47 U	50 U
VOC	ISOBUTANOL	µg/Kg	56 UJ	47 U	58 UJ	110 UJ	54 UJ	63 UJ	61 UJ	51 UJ	56 UJ	47 UJ	50 UJ
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	18 U	15 U	18 U	35 U	17 U	20 U	19 U	16 U	18 U	15 U	16 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	51 U	42 UJ	52 UJ	100 U	49 U	57 UJ	56 UJ	47 U	51 U	43 U	45 U
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	9.7 U	8.1 U	10 U	20 U	9.3 U	11 U	11 U	8.9 U	9.7 U	8.2 U	8.6 U
VOC	METHYL METHACRYLATE	µg/Kg	56 U	47 U	58 U	110 U	54 U	63 U	61 U	51 U	56 U	47 U	50 U
VOC	METHYLACRYLONITRILE	µg/Kg	280 U	230 U	290 U	570 U	270 U	310 U	310 U	260 U	280 U	240 UJ	250 UJ
VOC	METHYLENE CHLORIDE	µg/Kg	27 U	22 U	28 U	54 U	26 U	30 U	29 U	25 U	27 U	23 U	24 U
VOC	PENTOCHLORETHANE	µg/Kg	14 U	13 U	12 U	14 U	14 U	13 U	13 U	13 U	13 U	12 U	12 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	56 UJ	47 UJ	58 UJ	110 UJ	54 UJ	63 UJ	61 UJ	51 UJ	56 UJ	**510** J	50 UJ
VOC	STYRENE	µg/Kg	8.5 U	7.1 U	8.8 U	17 U	8.2 U	9.5 U	9.3 U	7.8 U	8.5 U	7.2 U	7.5 U
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	11 U	8.9 U	11 U	22 U	10 U	12 U	12 U	9.9 U	11 U	9.1 U	9.5 U
VOC	TOLUENE	µg/Kg	**1600**	26 UJ	**1600** J	**1500**	**720**	35 UJ	34 UJ	28 U	**4300**	**160**	**7000**
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	9.2 U	7.6 U	9.5 U	19 U	8.8 U	10 U	10 U	8.4 U	9.2 U	7.8 U	8.1 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	7.9 U	6.6 U	8.1 U	16 U	7.6 U	8.9 U	8.7 U	7.3 U	7.9 U	6.7 U	7 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	41 U	34 U	42 U	82 U	39 U	45 U	44 U	37 U	40 U	34 U	36 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	9.9 U	8.2 U	10 U	20 U	9.5 U	11 U	11 U	9.1 U	9.9 U	8.4 U	8.8 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	14 U	12 U	15 U	29 U	14 U	16 U	16 U	13 U	14 U	12 U	13 U
VOC	VINYL ACETATE	µg/Kg	55 U	46 U	57 U	110 U	53 U	61 U	60 U	50 U	55 U	46 U	49 U
VOC	VINYL CHLORIDE	µg/Kg	20 U	16 U	20 U	40 U	19 U	22 U	22 U	18 U	20 U	17 U	17 U
VOC	XYLENES, TOTAL	µg/Kg	32 U	**190**	33 U	65 U	31 U	**330**	**340**	29 U	32 U	27 U	28 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

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			4995-1	4995-2	5338-1	5338-2	5583-1	5583-2	5620-1	5620-1-C	5620-2	5620-2-C	5685-1
			MidBlind_4995-1	MidBlind_4995-2	MidBlind_5338-1	MidBlind_5338-2	MidBlind_5583-1	MidBlind_5583-2	MidBlind_5620-1	MidBlind_5620-1-C	MidBlind_5620-2	MidBlind_5620-2-C	MidBlind_5685-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
GEN	CYANIDE, TOTAL	µg/Kg	0.0069 U	**42** J	**98** J	**130**	**310**	**140** J	**91** J	**79** J	**260**	**77** J	**58** J
GEN	SULFIDE	mg/kg	92 U	230 U	98 U	96 U	100 U	96 U	97 U	97 U	96 U	95 U	**100**
GEN	TOTAL ORGANIC CARBON	mg/kg	**14000**	**12000**	**23000**	**25000**	**32000**	**2300**	**39000**	**35000**	**39000**	**47000**	**30000**
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	2.3 U	5.6 U	2.5 U	2.4 U	2.5 U	2.4 U	2.5 U	2.4 U	2.4 U	2.4 U	2.6 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	1.9 U	4.6 U	2 UJ	2 UJ	2.1 U	2 U	2 U	2 U	2 U	2 U	2.1 U
HERB	DINOSEB	µg/Kg	61 U	150 U	64 U	63 U	67 UJ	63 UJ	63 U	62 U	63 U	61 U	67 U
HERB	SILVEX (2,4,5-TP)	µg/Kg	2 U	4.9 U	2.1 U	2.1 U	2.2 U	2.1 U	2.1 U	2.1 U	2.1 U	2.1 U	2.3 U
MET	ANTIMONY	µg/Kg	220 U	540 U	**4500**	230 U	240 U	230 U	230 U	230 U	230 U	230 U	250 U
MET	ARSENIC	µg/Kg	**1800**	**3200**	**4800**	**5700**	**3500**	**5300**	**12000**	**11000**	**13000**	**13000**	**3500**
MET	BARIUM	µg/Kg	**24000**	**65000**	**53000**	**51000**	**46000**	**42000**	**84000**	**76000**	**100000**	**70000**	**34000**
MET	BERYLLIUM	µg/Kg	**170** J	**490** J	**280**	**300**	**420**	**360**	**490**	**490**	**450**	**540**	**250** J
MET	CADMIUM	µg/Kg	**66** J	35 U	**220** J	**220** J	**120** J	**110** J	15 U	15 U	15 U	15 U	**270**
MET	CHROMIUM, TOTAL	µg/Kg	**4300**	**18000**	**6800**	**6600**	**11000**	**9100**	**4600**	**4700**	**4400**	**3900**	**5700**
MET	COBALT	µg/Kg	**1400**	**3600**	**3100**	**3200**	**5100**	**4500**	**2500**	**2600**	**2200**	**2500**	**1900**
MET	COPPER	µg/Kg	**8500**	**37000**	**24000**	**13000**	**15000**	**14000**	**27000**	**25000**	**30000**	**29000**	**13000**
MET	LEAD	µg/Kg	**7900**	**23000**	**670000**	**45000**	**13000**	**13000**	**210000**	**150000**	**180000**	**130000**	**41000**
MET	MERCURY	µg/Kg	**22**	**58**	**52**	**57**	**32**	4.3 U	**93**	**110**	**97**	**100**	**39**
MET	NICKEL	µg/Kg	**4000**	**13000**	**8000**	**8900**	**14000**	**12000**	**7100**	**7100**	**6600**	**7500**	**6200**
MET	SELENIUM	µg/Kg	490 U	1200 U	520 U	510 U	540 U	510 U	510 U	510 U	510 U	500 U	540 U
MET	SILVER	µg/Kg	54 U	130 U	58 U	56 U	60 U	57 U	57 U	57 U	56 U	55 U	60 U
MET	THALLIUM	µg/Kg	200 U	480 U	210 U	200 U	220 U	200 U	210 U	210 U	200 U	200 U	220 U
MET	TIN	µg/Kg	520 U	1300 U	**160000**	**540** J	570 U	540 U	**1600** J	**1800** J	**980** J	**1100** J	**630** J
MET	VANADIUM	µg/Kg	**8500**	**21000**	**11000**	**11000**	**18000**	**17000**	**11000**	**12000**	**11000**	**13000**	**8100**
MET	ZINC	µg/Kg	**18000**	**57000**	**67000**	**55000**	**41000**	**36000**	**180000**	**140000**	**160000**	**150000**	**55000**
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	12 U	15 U	6.5 U	6.5 U	6.8 U	6.5 U	64 U	65 U	63 U	63 U	6.9 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	21 U	26 U	11 U	11 U	12 U	11 U	110 U	110 U	110 U	110 U	12 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	23 U	28 U	12 U	12 U	13 U	12 U	120 U	120 U	120 U	120 U	13 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	27 U	33 U	14 U	14 U	15 U	14 U	140 U	140 U	140 U	140 U	15 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	18 U	22 U	9.5 U	9.4 U	9.8 U	9.4 U	94 U	94 U	92 U	91 U	10 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	15 U	18 U	7.9 U	7.8 U	8.2 U	7.8 U	78 U	78 U	77 U	76 U	8.3 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	12 U	15 U	6.6 U	6.5 U	6.8 U	6.5 U	65 U	65 U	64 U	63 U	6.9 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	16 U	20 U	8.7 U	8.6 U	9 U	8.6 U	86 U	86 U	84 U	83 U	9.2 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	22 U	27 U	12 U	12 U	12 U	12 U	120 U	120 U	110 U	110 U	12 U
PCB	SUMMED PCB	µg/Kg	**83**	**100**	**44**	**44**	**46**	**44**	**440**	**440**	**430**	**420**	**47**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	51 U	130 U	54 U	42 U	48 U	39 U	44 U	49 U	53 U	74 U	49 U
PEST	4,4'-DDD	µg/Kg	**7** J	**3** J	**3.1** J	**1.6** J	0.73 U	**1.2** J	**58** J	**72** J	**89** J	**61** J	**4.1** J
PEST	4,4'-DDE	µg/Kg	**31** J	**82** J	**18** J	**24**	**2.4** J	**4.6** J	**430**	**540**	**740**	**520**	1 U
PEST	4,4'-DDT	µg/Kg	**4.2** J	**14** J	**10** J	**12** J	1.1 U	1.1 U	**450**	**580**	**720** J	**510** J	1.1 U
PEST	ALDRIN	µg/Kg	1.4 U	1.7 U	0.73 U	0.72 U	0.75 U	0.72 U	7.2 U	7.2 U	7.1 U	7 U	0.77 U
PEST	ALPHA BHC	µg/Kg	1.7 U	2.1 U	0.92 U	0.92 U	0.96 U	0.91 U	9.1 U	9.2 U	9 U	8.9 U	0.97 U
PEST	BETA BHC	µg/Kg	1.9 U	2.3 U	0.99 U	0.99 U	1 U	0.99 U	9.8 U	9.9 U	9.7 U	9.6 U	1.1 U
PEST	CHLORDANE	µg/Kg	**150**	**300**	0.97 U	0.96 U	1 U	0.96 U	9.6 U	9.7 U	9.5 U	9.3 U	1 U
PEST	DELTA BHC	µg/Kg	1.7 U	2.1 U	0.9 U	0.89 U	0.93 U	0.89 U	8.9 U	8.9 U	8.7 U	8.6 U	0.95 U
PEST	DIELDRIN	µg/Kg	1.4 U	1.7 U	**7.2** J	**7.3** J	0.75 U	0.72 U	7.2 U	7.2 U	7.1 U	7 U	0.77 U
PEST	DIMETHOATE	µg/Kg	59 U	140 U	62 U	62 U	65 U	62 U	62 U	61 U	61 U	60 U	66 U
PEST	DISULFOTON	µg/Kg	10 U	24 U	11 U	10 U	11 U	10 U	10 U	10 U	10 U	10 U	11 U
PEST	ENDOSULFAN I	µg/Kg	1.1 U	1.3 U	0.56 U	0.55 U	0.58 U	0.55 U	5.5 U	5.6 U	5.4 U	5.4 U	0.59 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			4995-1	4995-2	5338-1	5338-2	5583-1	5583-2	5620-1	5620-1-C	5620-2	5620-2-C	5685-1
			MidBlind_4995-1	MidBlind_4995-2	MidBlind_5338-1	MidBlind_5338-2	MidBlind_5583-1	MidBlind_5583-2	MidBlind_5620-1	MidBlind_5620-1-C	MidBlind_5620-2	MidBlind_5620-2-C	MidBlind_5685-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
PEST	ENDOSULFAN II	µg/Kg	**1.5** J	**2.3** J	0.61 U	0.6 U	0.63 U	0.6 U	6 U	6 U	5.9 U	5.8 U	**0.79** J
PEST	SUMMED Endosulfan (I and II)	µg/Kg	**2**	**2.9**	**0.58**	**0.58**	**0.6**	**0.58**	**5.8**	**5.8**	**5.7**	**5.6**	**1.1**
PEST	ENDOSULFAN SULFATE	µg/Kg	**19** J	**47** J	0.87 U	0.87 U	0.9 U	0.87 U	8.6 U	8.7 U	8.5 U	8.4 U	0.92 U
PEST	ENDRIN	µg/Kg	1.7 U	2 U	0.89 U	0.88 U	0.92 U	0.88 U	8.8 U	8.8 U	8.6 U	8.5 U	0.94 U
PEST	ENDRIN ALDEHYDE	µg/Kg	1.7 U	**9.9** J	0.91 U	0.9 U	0.94 U	0.9 U	9 U	9.1 U	8.9 U	8.7 U	0.96 U
PEST	FAMPHUR	µg/Kg	32 UJ	78 UJ	34 UJ	34 UJ	36 UJ	34 UJ	34 UJ	33 UJ	33 UJ	33 UJ	36 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	1.3 U	1.6 U	0.7 U	0.7 U	0.73 U	0.7 U	7 U	7 U	6.9 U	6.8 U	0.74 U
PEST	HEPTACHLOR	µg/Kg	1.4 U	1.7 U	0.73 U	0.72 U	0.75 U	0.72 U	7.2 U	7.2 U	7.1 U	7 U	0.77 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	**6.7** J	**27** J	**2.2** J	**1.6** J	1 U	1 U	10 U	10 U	9.8 U	9.7 U	**14** J
PEST	KEPONE	µg/Kg	1900 U	4600 U	2000 U	2000 U	2100 U	2000 U	2000 U	2000 U	2000 U	1900 U	2100 U
PEST	METHOXYCHLOR	µg/Kg	2.3 U	2.8 U	1.2 U	1.2 U	1.3 U	1.2 U	12 U	**19** J	12 U	12 U	**8.1** J
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	11 U	26 U	11 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	12 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	20 U	48 U	21 U	21 U	22 U	21 U	21 U	20 U	21 U	20 U	22 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	20 U	47 U	21 U	20 U	22 U	20 U	21 U	20 U	20 U	20 U	22 U
PEST	PARATHION, METHYL	µg/Kg	13 U	31 U	14 U	14 U	14 U	14 U	14 U	13 U	13 U	13 U	14 U
PEST	PHORATE	µg/Kg	10 U	24 U	11 U	10 U	11 UJ	11 UJ	11 U	10 U	10 U	10 U	11 UJ
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	760 U	1800 U	800 U	790 U	840 U	800 U	800 U	780 U	790 U	770 U	850 U
PEST	TOXAPHENE	µg/Kg	22 U	26 U	11 U	11 U	12 U	11 U	110 U	110 U	110 U	110 U	12 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	9.2 U	22 U	9.6 U	9.6 U	10 U	9.6 U	9.6 U	9.4 U	9.5 U	9.3 U	10 U
SVOC	1,3-DINITROBENZENE	µg/Kg	8.5 U	21 U	9 U	8.9 U	9.4 U	8.9 U	8.9 U	8.8 U	8.8 U	8.6 U	9.5 U
SVOC	1,4-DIOXANE	µg/Kg	380 U	920 U	400 U	400 U	420 UJ	400 UJ	400 U	390 U	400 U	390 U	420 UJ
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	13 U	31 U	14 U	14 U	14 UJ	14 UJ	14 U	13 U	13 U	13 U	14 U
SVOC	1-NAPHTHYLAMINE	µg/Kg	380 U	920 U	400 UJ	400 U	420 U	400 U	400 U	390 U	400 U	390 U	420 U
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	38 U	91 U	39 U	39 U	41 U	39 U	39 U	39 U	39 U	38 U	42 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	16 U	38 U	16 U	16 U	17 U	16 U	16 U	16 U	16 U	16 U	17 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	8.6 U	21 U	9.1 U	9 U	9.5 U	9 U	9.1 U	8.9 U	9 U	8.7 U	9.6 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	6.6 U	16 U	6.9 U	6.9 U	7.3 U	6.9 U	6.9 UJ	6.8 UJ	6.8 UJ	6.7 UJ	7.3 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	29 U	69 U	30 U	30 U	32 U	30 U	30 UJ	29 UJ	30 UJ	29 UJ	32 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	63 U	150 U	66 U	65 U	69 U	66 U	66 U	65 U	65 U	63 U	70 U
SVOC	2,4-DINITROPHENOL	µg/Kg	22 U	53 U	23 U	23 U	24 UJ	23 UJ	23 U	23 U	23 UJ	22 U	24 U
SVOC	2,4-DINITROTOLUENE	µg/Kg	31 U	75 U	33 U	32 U	34 U	32 U	33 U	32 U	32 U	31 U	35 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	15 U	37 U	16 U	16 U	17 U	16 U	16 U	16 U	16 U	16 U	17 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	6.6 U	16 U	6.9 U	6.9 U	7.3 U	6.9 U	6.9 U	6.8 U	6.8 U	6.7 U	7.3 U
SVOC	2-Acetylaminofluorene	µg/Kg	15 U	36 U	16 U	16 U	16 U	16 U	16 U	15 U	15 U	15 U	17 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	28 U	67 U	29 U	29 U	31 U	29 U	29 U	29 U	29 U	28 U	31 U
SVOC	2-CHLOROPHENOL	µg/Kg	29 U	69 U	30 U	30 U	32 U	30 U	30 U	29 U	30 U	29 U	32 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	**13** J	**77** J	8.6 U	8.6 U	9.1 U	8.6 U	**25** J	**27** J	**28** J	**38** J	9.2 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	19 U	47 U	20 U	20 U	21 U	20 U	20 U	20 U	20 U	20 U	22 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	380 U	920 U	400 U	400 U	420 U	400 U	400 U	390 U	400 U	390 U	420 U
SVOC	2-NITROANILINE	µg/Kg	8.7 U	21 U	9.2 U	9.1 U	9.6 U	9.1 U	9.1 U	9 U	9 U	8.8 U	9.7 U
SVOC	2-NITROPHENOL	µg/Kg	11 U	27 U	12 U	12 U	12 U	12 U	12 U	11 U	12 U	11 U	12 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	11 U	27 U	12 U	12 U	12 U	12 U	12 U	12 U	12 U	11 U	12 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	65 U	160 U	68 U	67 U	71 U	68 U	68 U	67 U	67 U	65 U	72 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	380 U	920 U	400 U	400 U	420 U	400 U	400 U	390 U	400 U	390 U	420 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	20 U	49 U	21 U	21 U	22 U	21 U	21 U	21 U	21 U	20 U	23 U

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U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

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			MidBlind_4995-1	MidBlind_4995-2	MidBlind_5338-1	MidBlind_5338-2	MidBlind_5583-1	MidBlind_5583-2	MidBlind_5620-1	MidBlind_5620-1-C	MidBlind_5620-2	MidBlind_5620-2-C	MidBlind_5685-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	3-NITROANILINE	µg/Kg	7.6 U	18 U	8 U	7.9 U	8.4 U	7.9 U	8 U	7.8 U	7.9 U	7.7 U	8.5 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	14 U	35 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	15 U	16 U
SVOC	4-AMINOBIPHENYL	µg/Kg	11 U	26 U	12 U	11 U	12 U	11 U	11 U	11 U	11 U	11 U	12 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	14 U	34 U	15 U	15 U	16 U	15 U	15 U	15 U	15 U	14 U	16 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	12 U	28 U	12 U	12 U	13 U	12 U	12 U	12 U	12 U	12 U	13 U
SVOC	4-CHLOROANILINE	µg/Kg	47 U	110 U	50 U	49 U	52 U	49 U	49 U	48 U	49 U	48 U	52 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	5.4 U	13 U	5.6 U	5.6 U	5.9 U	5.6 U	5.6 U	5.5 U	5.6 U	5.4 U	6 U
SVOC	4-NITROANILINE	µg/Kg	45 U	110 U	47 U	46 U	49 U	47 U	47 U	46 U	46 U	45 U	50 U
SVOC	4-NITROPHENOL	µg/Kg	9.5 U	23 U	10 U	9.9 U	11 U	10 U	10 U	9.8 U	9.9 U	9.6 U	11 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	9.3 U	22 U	9.7 U	9.7 U	10 U	9.7 U	9.7 UJ	9.5 UJ	9.6 UJ	9.4 UJ	10 U
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	12 U	29 U	13 U	13 U	13 U	13 U	13 U	13 U	13 U	12 U	14 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	15 U	36 U	16 U	16 U	16 U	16 U	16 U	15 U	15 U	15 U	17 U
SVOC	ACENAPHTHENE	µg/Kg	8.2 UJ	20 UJ	8.6 UJ	8.6 UJ	9.1 U	8.6 U	8.6 U	8.5 U	8.5 U	8.3 U	9.2 U
SVOC	ACENAPHTHYLENE	µg/Kg	**130** J	**850** J	8.7 U	8.7 U	9.2 U	8.7 U	8.7 U	8.6 U	8.6 U	8.4 U	9.3 U
SVOC	ACETOPHENONE	µg/Kg	9.4 U	23 U	9.9 U	9.8 U	10 U	9.9 U	9.9 U	9.7 U	9.8 U	9.5 U	11 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	380 U	920 U	400 U	400 U	420 U	400 U	400 U	390 U	400 U	390 U	420 U
SVOC	ANILINE	µg/Kg	49 U	120 U	52 U	51 U	54 U	52 U	52 U	51 U	51 U	50 U	55 U
SVOC	ANTHRACENE	µg/Kg	**65** J	**420** J	6 U	6 U	**31** J	**12** J	**41** J	**27** J	**23** J	**24** J	**9.2** J
SVOC	ARAMITE (TOTAL)	µg/Kg	79 U	190 U	83 U	82 U	87 U	82 U	83 U	81 U	82 U	80 U	88 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	6.7 U	16 U	7.1 U	7 U	7.4 U	7 U	**210** J	**170** J	7 U	**120** J	7.5 U
SVOC	BENZO(A)PYRENE	µg/Kg	**110** J	**380** J	9.5 UJ	9.4 UJ	**170** J	**98** J	**250** J	**180** J	**150** J	**120** J	**53** J
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	**110** J	**450** J	**130** J	**110** J	**210** J	**130** J	**270** J	**240** J	**210** J	**170** J	**79** J
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	**240** J	**860** J	**210** J	**200** J	**210** J	**110** J	**280** J	**220** J	**170** J	**140** J	**62** J
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	**69** J	**220** J	**73** J	**66** J	**60** J	**58** J	**120** J	**90** J	**84** J	**76** J	**39** J
SVOC	BENZYL ALCOHOL	µg/Kg	8.4 U	20 U	8.8 U	8.7 U	9.2 U	8.7 U	8.8 U	8.6 U	8.7 U	8.4 U	9.3 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	**9.6** J	21 U	**13** J	**19** J	9.7 U	9.2 U	9.2 U	**78** J	**80** J	**57** J	9.8 U
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	5.9 U	14 U	6.2 U	6.2 U	6.5 U	6.2 U	6.2 U	6.1 U	6.1 U	6 U	6.6 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	41 U	100 U	44 U	43 U	46 U	43 U	43 U	43 U	43 U	42 U	46 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	18 U	44 U	19 U	19 U	20 U	19 U	**120** J	**110** J	**90** J	**79** J	**150** J
SVOC	CHLOROBENZILATE	µg/Kg	22 U	52 U	23 U	23 U	24 U	23 U	23 U	22 U	22 U	22 U	24 U
SVOC	CHRYSENE	µg/Kg	**170** J	**930**	**83** J	**74** J	**120** J	**50** J	**250** J	**170** J	**130** J	**120** J	**19** J
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	7.7 U	19 U	8.1 U	8 U	8.5 U	8 U	**12** J	**17** J	**16** J	**27** J	8.5 U
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	8 UJ	19 UJ	8.4 UJ	8.3 UJ	8.8 U	8.3 U	8.4 UJ	8.2 UJ	8.3 UJ	8.1 UJ	8.9 U
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	32 U	77 U	34 U	33 U	35 U	33 U	33 U	33 U	33 U	32 U	36 UJ
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	**72** J	**260** J	**38** J	**40** J	**47** J	37 U	37 U	**88** J	37 U	**66** J	40 U
SVOC	DIBENZOFURAN	µg/Kg	**8.5** J	**49** J	5.1 U	5.1 U	5.4 U	5.1 U	**16** J	**13** J	5.1 U	**16** J	5.5 U
SVOC	DIETHYL PHTHALATE	µg/Kg	6.3 U	15 U	6.6 U	6.5 U	6.9 U	6.5 U	6.6 U	6.4 U	6.5 U	6.3 U	7 U
SVOC	DIMETHYL PHTHALATE	µg/Kg	23 U	55 U	24 U	24 U	25 U	24 U	24 U	23 U	24 U	23 U	25 U
SVOC	DIPHENYLAMINE	µg/Kg	31 U	75 U	33 U	32 U	34 U	32 U	33 U	32 U	32 U	31 U	35 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	14 U	33 U	14 U	14 U	15 U	14 U	14 UJ	14 UJ	14 UJ	14 UJ	15 UJ
SVOC	FLUORANTHENE	µg/Kg	**120** J	**570** J	**110** J	**73** J	**250** J	**130** J	**460**	**340** J	**240** J	**220** J	**100** J
SVOC	FLUORENE	µg/Kg	**24** J	**170** J	6.7 U	6.7 U	7.1 U	6.7 U	6.7 U	6.6 U	6.6 U	**9.3** J	7.1 U
SVOC	HEXACHLOROBENZENE	µg/Kg	11 U	27 U	12 U	12 U	12 U	**54** J	12 U	11 U	12 U	11 U	12 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	37 U	90 U	39 U	39 U	41 U	39 U	39 U	38 U	39 U	38 U	41 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	28 U	68 U	30 U	29 U	31 U	29 U	30 U	29 U	29 U	28 U	31 U
SVOC	HEXACHLOROETHANE	µg/Kg	51 U	120 U	53 U	53 U	56 U	53 U	53 U	52 U	53 U	51 U	57 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			4995-1	4995-2	5338-1	5338-2	5583-1	5583-2	5620-1	5620-1-C	5620-2	5620-2-C	5685-1
			MidBlind_4995-1	MidBlind_4995-2	MidBlind_5338-1	MidBlind_5338-2	MidBlind_5583-1	MidBlind_5583-2	MidBlind_5620-1	MidBlind_5620-1-C	MidBlind_5620-2	MidBlind_5620-2-C	MidBlind_5685-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	HEXACHLOROPHENE	µg/Kg	760 UJ	1800 UJ	800 UJ	790 UJ	840 UJ	800 UJ	800 UJ	780 UJ	790 UJ	770 UJ	850 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	51 U	120 U	53 U	53 U	56 U	53 U	53 U	52 U	53 U	51 U	56 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	**81** J	**430** J	**63** J	**61** J	**200** J	**53** J	**410**	**280** J	**180** J	**180** J	29 U
SVOC	ISODRIN	µg/Kg	21 U	51 U	22 U	22 U	23 U	22 U	22 U	22 U	22 U	22 U	24 U
SVOC	ISOPHORONE	µg/Kg	5.3 U	13 U	5.6 U	5.5 U	5.9 U	5.5 U	5.6 U	5.5 U	5.5 U	5.4 U	5.9 U
SVOC	ISOSAFROLE	µg/Kg	19 U	45 U	19 U	19 U	20 U	19 U	19 U	19 U	19 U	19 U	21 U
SVOC	METHAPYRILENE	µg/Kg	44 U	110 U	47 UJ	46 U	49 U	46 U	47 U	46 U	46 U	45 U	49 U
SVOC	METHYL METHANESULFONATE	µg/Kg	22 U	52 U	23 U	23 U	24 U	23 U	23 U	22 U	23 U	22 U	24 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	11 U	27 U	12 U	12 U	12 U	12 U	12 U	11 U	12 U	11 U	12 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	8.6 U	21 U	9.1 U	9 U	9.5 U	9 U	9.1 U	8.9 U	9 U	8.7 U	9.6 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	20 U	49 U	21 U	21 U	22 U	21 U	21 UJ	21 UJ	21 UJ	20 UJ	22 UJ
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	46 UJ	110 UJ	48 UJ	48 UJ	51 U	48 U	48 U	47 U	48 U	46 U	51 U
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	13 UJ	30 UJ	13 UJ	13 UJ	14 U	13 U	13 U	13 U	13 U	13 U	14 U
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	17 UJ	42 UJ	18 UJ	18 UJ	19 U	18 U	18 U	18 U	18 U	17 U	19 U
SVOC	N-NITROSOMORPHOLINE	µg/Kg	20 U	49 U	21 U	21 U	22 U	21 U	21 U	21 U	21 U	21 U	23 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	12 U	30 U	13 U	13 U	14 U	13 U	13 U	13 U	13 U	13 U	14 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	380 U	920 U	400 U	400 U	420 U	400 U	400 U	390 U	400 U	390 U	420 U
SVOC	NAPHTHALENE	µg/Kg	31 U	**87** J	32 U	32 U	34 U	32 U	32 U	31 U	32 U	**38** J	**230** J
SVOC	NITROBENZENE	µg/Kg	39 U	95 U	41 U	41 U	43 U	41 U	41 U	40 U	41 U	40 U	44 U
SVOC	O-TOLUIDINE	µg/Kg	380 U	920 U	400 U	400 U	420 U	400 U	400 U	390 U	400 U	390 U	420 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	14 U	33 U	15 U	14 U	15 U	15 U	15 U	14 U	14 U	14 U	15 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	31 U	75 U	33 U	32 U	34 UJ	32 UJ	33 UJ	32 UJ	32 UJ	31 UJ	35 UJ
SVOC	PENTACHLOROBENZENE	µg/Kg	31 U	74 U	32 U	32 U	34 U	32 U	32 U	31 U	32 U	31 U	34 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	21 U	51 U	22 U	22 U	23 U	22 U	22 U	22 U	22 U	21 U	24 U
SVOC	PENTACHLOROPHENOL	µg/Kg	34 UJ	82 UJ	36 UJ	35 UJ	37 UJ	35 UJ	36 UJ	35 UJ	35 UJ	34 UJ	38 UJ
SVOC	PHENACETIN	µg/Kg	13 U	32 U	14 U	14 U	15 U	14 U	14 U	14 U	14 U	14 U	15 U
SVOC	PHENANTHRENE	µg/Kg	**110** J	**420** J	**41** J	**34** J	**78** J	**52** J	**270** J	**210** J	**170** J	**150** J	**52** J
SVOC	PHENOL	µg/Kg	7.9 UJ	19 UJ	8.3 UJ	8.2 UJ	8.7 U	8.2 U	8.3 U	8.1 U	8.2 U	8 U	8.8 U
SVOC	PRONAMIDE	µg/Kg	12 U	29 U	13 U	13 U	13 U	13 U	13 U	12 U	12 U	12 U	13 U
SVOC	PYRENE	µg/Kg	**230** J	**1200**	**100** J	**75** J	**290** J	**180** J	**370** J	**280** J	**240** J	**190** J	**110** J
SVOC	PYRIDINE	µg/Kg	57 UJ	140 UJ	60 UJ	59 UJ	63 U	59 U	60 U	58 U	59 U	57 U	63 U
SVOC	SAFROLE	µg/Kg	16 U	39 U	17 U	17 U	18 U	17 U	17 U	17 U	17 U	16 U	18 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	380 U	920 U	400 U	400 U	420 U	400 U	400 U	390 U	400 U	390 U	420 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	10 U	27 U	11 U	8.4 U	9.8 U	7.9 U	9 U	9.9 U	11 U	15 U	10 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	7.3 U	19 U	7.7 U	5.9 U	6.8 U	5.5 U	6.3 U	6.9 U	7.5 U	11 U	7 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	11 U	27 U	11 U	8.6 U	10 U	8.1 U	9.2 U	10 U	11 U	15 U	10 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	6.8 U	17 U	7.1 U	5.5 U	6.3 U	5.1 U	5.8 U	6.4 U	6.9 U	9.7 U	6.5 U
VOC	1,1-DICHLOROETHANE	µg/Kg	9.4 U	24 U	9.9 U	7.6 U	8.8 U	7.1 U	8.1 U	9 U	9.7 U	14 U	9.1 U
VOC	1,1-DICHLOROETHENE	µg/Kg	21 U	55 U	22 U	17 U	20 U	16 U	18 U	20 U	22 U	31 U	21 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	15 U	37 U	15 U	12 U	14 U	11 U	13 U	14 U	15 U	21 U	14 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	8.9 U	23 U	9.4 U	7.2 U	8.3 U	6.7 U	7.7 U	8.5 U	9.1 U	13 U	8.6 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	57 U	140 U	60 U	60 U	63 U	60 U	60 U	59 U	59 U	58 U	64 U
VOC	1,2-DICHLOROETHANE	µg/Kg	6.8 U	17 U	7.1 U	5.5 U	6.3 U	5.1 U	5.8 U	6.4 U	6.9 U	9.7 U	6.5 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	6.6 U	17 U	7 U	5.4 U	6.2 U	5 U	5.7 U	6.3 U	6.8 U	9.6 U	6.4 U
VOC	1,3-DICHLOROBENZENE	µg/Kg	60 U	140 U	63 U	62 U	66 U	62 U	62 U	61 U	62 U	60 U	66 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	54 UJ	130 UJ	57 UJ	56 UJ	60 U	57 U	57 U	56 U	56 U	55 U	60 U
VOC	2-HEXANONE	µg/Kg	49 U	130 U	52 U	40 U	46 U	37 U	42 U	47 U	50 U	71 U	47 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			4995-1	4995-2	5338-1	5338-2	5583-1	5583-2	5620-1	5620-1-C	5620-2	5620-2-C	5685-1
			MidBlind_4995-1	MidBlind_4995-2	MidBlind_5338-1	MidBlind_5338-2	MidBlind_5583-1	MidBlind_5583-2	MidBlind_5620-1	MidBlind_5620-1-C	MidBlind_5620-2	MidBlind_5620-2-C	MidBlind_5685-1
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	1-6	0-1	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
VOC	ACETONE	µg/Kg	22 UJ	57 UJ	**160** J	18 UJ	21 UJ	17 U	19 UJ	21 UJ	23 UJ	32 UJ	21 U
VOC	ACETONITRILE	µg/Kg	270 UJ	690 UJ	280 UJ	220 UJ	250 UJ	200 UJ	230 UJ	260 UJ	270 UJ	390 UJ	260 UJ
VOC	ACROLEIN	µg/Kg	140 UJ	360 UJ	150 UJ	110 UJ	130 U	110 U	120 UJ	130 UJ	140 UJ	200 UJ	130 U
VOC	ACRYLONITRILE	µg/Kg	42 U	110 U	45 U	34 U	40 U	32 U	36 U	40 U	43 U	61 U	41 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	59 U	150 U	63 U	48 U	56 U	45 U	51 U	56 U	61 U	85 U	57 U
VOC	BENZENE	µg/Kg	6.2 U	16 U	6.5 U	5 U	5.8 U	4.7 U	5.3 U	5.9 U	6.3 U	8.9 U	5.9 U
VOC	BROMODICHLOROMETHANE	µg/Kg	8 U	21 U	8.4 U	6.5 U	7.5 U	6 U	6.9 U	7.6 U	8.2 U	12 U	7.7 U
VOC	BROMOFORM	µg/Kg	10 U	26 U	11 U	8.1 U	9.4 U	7.6 U	8.7 U	9.5 U	10 U	14 U	9.6 U
VOC	BROMOMETHANE	µg/Kg	89 U	230 U	94 U	72 U	84 U	67 U	77 U	85 U	91 U	130 U	86 U
VOC	CARBON DISULFIDE	µg/Kg	6.5 U	17 U	6.8 U	5.2 U	6.1 U	4.9 U	5.6 U	6.1 U	6.6 U	9.3 U	6.2 U
VOC	CARBON TETRACHLORIDE	µg/Kg	7.1 U	18 U	7.5 U	5.7 U	6.7 U	5.4 U	6.1 U	6.8 U	7.3 U	10 U	6.8 U
VOC	CHLOROBENZENE	µg/Kg	9.8 U	25 U	10 U	7.9 U	9.2 U	7.4 U	8.5 U	9.3 U	10 U	14 U	9.4 U
VOC	CHLOROETHANE	µg/Kg	36 U	92 U	38 U	29 U	34 UJ	27 UJ	31 UJ	34 UJ	37 U	52 UJ	35 UJ
VOC	CHLOROFORM	µg/Kg	8.4 U	22 U	8.8 U	6.8 U	7.8 U	6.3 U	7.2 U	8 U	8.6 U	12 U	8 U
VOC	CHLOROMETHANE	µg/Kg	28 UJ	71 UJ	29 UJ	22 UJ	26 U	21 U	24 U	26 U	28 UJ	40 U	27 U
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	59 U	150 U	63 U	48 U	56 U	45 U	51 U	56 U	61 U	85 U	57 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	6.8 U	18 U	7.2 U	5.5 U	6.4 U	5.2 U	5.9 U	6.5 U	7 U	9.8 U	6.6 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	5.3 U	14 U	5.6 U	4.3 U	5 U	4 U	4.6 U	5.1 U	5.5 U	7.7 U	5.1 U
VOC	DIBROMOMETHANE	µg/Kg	9.2 U	24 U	9.8 U	7.5 U	8.7 U	7 U	8 U	8.8 U	9.5 U	13 U	8.9 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	22 U	56 U	23 U	17 U	20 UJ	16 U	19 U	21 U	22 U	31 U	21 U
VOC	ETHYL BENZENE	µg/Kg	12 U	32 U	13 U	9.9 U	12 U	9.3 U	11 U	12 U	13 U	18 U	12 U
VOC	ETHYL METHACRYLATE	µg/Kg	59 U	150 U	63 U	48 U	56 U	45 U	51 U	56 U	61 U	85 U	57 U
VOC	ISOBUTANOL	µg/Kg	59 U	150 U	63 U	48 U	56 UJ	45 UJ	51 UJ	56 UJ	61 UJ	85 UJ	57 UJ
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	19 U	48 U	20 U	15 U	17 U	14 U	16 U	18 U	19 U	27 U	18 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	54 UJ	140 UJ	57 UJ	43 UJ	50 U	41 U	46 U	51 U	55 U	77 U	52 U
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	10 U	26 U	11 U	8.3 U	9.6 U	7.7 U	8.9 U	9.8 U	11 U	15 U	9.9 U
VOC	METHYL METHACRYLATE	µg/Kg	59 U	150 U	63 U	48 U	56 U	45 U	51 U	56 U	61 U	85 U	57 U
VOC	METHYLACRYLONITRILE	µg/Kg	300 U	760 U	310 U	240 U	280 UJ	220 U	260 U	280 U	300 U	430 U	290 U
VOC	METHYLENE CHLORIDE	µg/Kg	**460**	73 U	30 U	23 U	27 U	21 U	25 U	27 U	29 U	41 U	27 U
VOC	PENTOCHLORETHANE	µg/Kg	13 U	31 U	14 U	14 U	14 U	14 U	14 U	13 U	13 U	13 U	14 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	59 UJ	150 UJ	63 UJ	48 UJ	56 UJ	45 UJ	51 UJ	56 UJ	61 UJ	85 UJ	57 UJ
VOC	STYRENE	µg/Kg	9 U	23 U	9.5 U	7.3 U	8.5 U	6.8 U	7.8 U	8.6 U	9.2 U	13 U	8.7 U
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	11 U	29 U	12 U	9.2 U	11 U	8.6 U	9.8 U	11 U	12 U	16 U	11 U
VOC	TOLUENE	µg/Kg	**5500** J	**4700** J	34 UJ	26 UJ	31 U	**72**	28 U	31 U	**1400**	**3100**	31 U
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	9.7 U	25 U	10 U	7.9 U	9.1 U	7.3 U	8.4 U	9.2 U	10 U	14 U	9.4 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	8.4 U	22 U	8.8 U	6.8 U	7.8 U	6.3 U	7.2 U	8 U	8.6 U	12 U	8 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	43 U	110 U	45 U	35 U	40 U	32 U	37 U	41 U	44 U	62 U	41 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	11 U	27 U	11 U	8.5 U	9.8 U	7.9 U	9.1 U	10 U	11 U	15 U	10 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	15 U	38 U	16 U	12 U	14 U	11 U	13 U	14 U	15 U	22 U	14 U
VOC	VINYL ACETATE	µg/Kg	58 U	150 U	61 U	47 U	55 U	44 U	50 U	55 U	59 U	84 U	56 U
VOC	VINYL CHLORIDE	µg/Kg	21 U	54 U	22 U	17 U	20 U	16 U	18 U	20 U	21 U	30 U	20 U
VOC	XYLENES, TOTAL	µg/Kg	34 U	87 U	36 U	27 U	32 U	26 U	**34** J	32 U	35 U	**250** J	33 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
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Midland Area Soils

			5685-2	574-1	574-2	6676-1	6676-2-D	6676-2-M	6960-1	6960-1-C	6960-2	6960-2-C	706-1
			MidBlind_5685-2	MidBlind_574-1	MidBlind_574-2	MidBlind_6676-1	MidBlind_6676-2-D	MidBlind_6676-2-M	MidBlind_6960-1	MidBlind_6960-1-C	MidBlind_6960-2	MidBlind_6960-2-C	MidBlind_706-1
			11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
GEN	CYANIDE, TOTAL	µg/Kg	0.036 U	**240**	0.036 U	**130**	**76** J	**41** J	**450**	**480**	**370**	**350**	**250**
GEN	SULFIDE	mg/kg	95 U	97 U	95 U	97 U	93 U	93 U	**270**	100 U	100 U	100 U	86 U
GEN	TOTAL ORGANIC CARBON	mg/kg	**27000**	**30000**	**28000**	**20000**	**15000**	**16000** J	**25000**	**25000**	**32000**	**25000** J	73 U
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	2.4 U	2.4 U	2.4 U	2.4 U	2.3 U	2.3 U	2.7 U	2.5 U	2.6 U	2.5 U	2.1 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	**8.4** J	**84**	**72**	2 U	1.9 U	1.9 U	2.2 U	2.1 U	2.1 U	2.1 U	1.8 U
HERB	DINOSEB	µg/Kg	62 UJ	63 U	61 UJ	63 U	60 U	60 U	69 U	66 U	67 U	64 U	55 U
HERB	SILVEX (2,4,5-TP)	µg/Kg	2.1 U	2.1 U	2.1 U	2.1 U	2 U	2 U	2.3 U	2.2 U	2.2 U	2.2 U	1.9 U
MET	ANTIMONY	µg/Kg	230 U	**1300** J	230 U	230 U	220 U	220 UJ	**2100** J	240 U	**1700** J	**2300** J	1000 U
MET	ARSENIC	µg/Kg	**4700**	**7400**	**8500**	**1500**	**3800**	**2800**	**6000**	**3600**	**3400**	**3400**	**3800** J
MET	BARIUM	µg/Kg	**37000**	**38000**	**58000**	**31000**	**38000**	**34000** J	**48000**	**47000**	**48000**	**50000**	**16000**
MET	BERYLLIUM	µg/Kg	**330**	**370**	**340**	**240** J	**260**	**210** J	**480**	**450**	**470**	**480**	32 U
MET	CADMIUM	µg/Kg	**290**	**330**	**300**	**110** J	**88** J	**150** J	17 U	16 U	16 U	16 U	67 U
MET	CHROMIUM, TOTAL	µg/Kg	**6800**	**20000**	**19000**	**8700**	**10000**	**5400** J	**14000**	**15000**	**15000**	**15000**	**8400**
MET	COBALT	µg/Kg	**2600**	**3500**	**4300**	**2200**	**4500**	**2900** J	**4100**	**3900**	**4100**	**4200**	**1500** J
MET	COPPER	µg/Kg	**15000**	**16000**	**15000**	**7400**	**7500**	**7500** J	**18000**	**19000**	**19000**	**20000**	**19000**
MET	LEAD	µg/Kg	**44000**	**34000**	**34000**	**16000**	**16000**	**13000** J	**13000**	**12000**	**13000**	**13000**	**32000**
MET	MERCURY	µg/Kg	**46**	**66**	**68**	**29**	**32**	**29**	**34**	**34**	**31**	**40**	**28**
MET	NICKEL	µg/Kg	**7800**	**10000**	**10000**	**6100**	**6600**	**6800** J	**12000**	**12000**	**12000**	**13000**	**5500**
MET	SELENIUM	µg/Kg	500 U	510 U	500 U	510 U	**540** J	490 U	560 U	530 U	530 U	530 U	**5000**
MET	SILVER	µg/Kg	56 U	57 U	55 U	57 U	55 U	55 U	62 U	59 U	59 U	59 U	**1100** J
MET	THALLIUM	µg/Kg	200 U	210 U	200 U	210 U	200 U	200 U	230 U	210 U	210 U	210 U	900 U
MET	TIN	µg/Kg	530 U	550 U	530 U	540 U	520 U	520 U	590 U	560 U	570 U	560 U	2400 U
MET	VANADIUM	µg/Kg	**10000**	**14000**	**16000**	**8700**	**12000**	**9500** J	**18000**	**17000**	**19000**	**19000**	**6100**
MET	ZINC	µg/Kg	**59000**	**67000**	**58000**	**35000**	**35000**	**26000** J	68 U	64 U	64 U	64 U	270 U
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	6.4 U	6.4 U	6.3 U	6.5 U	6.2 U	6.2 U	7.1 U	6.8 U	6.8 U	6.7 U	57 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	11 U	11 U	11 U	11 U	11 U	11 U	12 U	12 U	12 U	11 U	98 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	12 U	12 U	12 U	12 U	12 U	12 U	13 U	13 U	13 U	13 U	110 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	14 U	14 U	14 U	14 U	14 U	14 U	15 U	15 U	15 U	15 U	130 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	9.3 U	9.3 U	**430** J	9.5 U	9 U	9 U	10 U	9.8 U	9.8 U	9.7 U	83 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	7.8 U	7.8 U	7.6 U	7.9 U	7.5 U	7.5 U	8.6 U	8.2 U	8.2 U	8.1 U	69 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	6.5 U	6.5 U	6.4 U	6.6 U	6.3 U	6.3 U	7.1 U	6.8 U	6.8 U	6.7 U	58 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	8.5 U	8.5 U	8.4 U	8.7 U	8.2 U	8.2 U	9.4 U	9 U	9 U	8.9 U	76 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	12 U	12 U	11 U	12 U	11 U	11 U	13 U	12 U	12 U	12 U	100 U
PCB	SUMMED PCB	µg/Kg	**43**	**44**	**470**	**44**	**42**	**42**	**48**	**46**	**46**	**45**	**390**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	39 U	45 U	44 U	50 U	51 U	55 U	58 U	48 U	51 U	53 U	46 U
PEST	4,4'-DDD	µg/Kg	**3** J	0.69 U	0.68 U	0.71 U	**1.5** J	0.67 U	**1.7** J	**1.3** J	**1.5** J	**1.2** J	**79** J
PEST	4,4'-DDE	µg/Kg	0.93 U	**34** J	0.92 U	**6.7** J	**11** J	0.9 U	**1.9** J	**2** J	**2.7** J	**0.99** J	**250**
PEST	4,4'-DDT	µg/Kg	1.1 U	**14** J	1 U	**4.4** J	**4.1** J	**4.9** J	1.2 U	1.1 U	1.1 U	1.1 U	**500**
PEST	ALDRIN	µg/Kg	**1.4** J	**3** J	0.71 U	0.73 U	0.69 U	0.69 U	0.79 U	0.76 U	0.76 U	0.75 U	6.4 U
PEST	ALPHA BHC	µg/Kg	**11** J	0.91 U	0.89 U	0.93 U	0.88 U	0.88 U	1 U	0.96 U	0.96 U	0.94 U	8.1 U
PEST	BETA BHC	µg/Kg	0.98 U	0.98 U	0.96 U	1 U	0.95 U	0.95 U	1.1 U	1 U	1 U	1 U	8.7 U
PEST	CHLORDANE	µg/Kg	0.96 U	0.96 U	0.94 U	0.98 U	0.92 U	0.92 U	1.1 U	1 U	1 U	0.99 U	8.5 U
PEST	DELTA BHC	µg/Kg	0.88 U	**4.1** J	0.87 U	0.9 U	0.85 U	0.85 U	0.97 UJ	0.93 UJ	0.93 UJ	0.92 UJ	7.9 U
PEST	DIELDRIN	µg/Kg	0.72 U	0.72 U	**21** J	0.73 U	0.69 U	0.69 U	**1.3** J	**1.3** J	0.76 U	0.75 U	6.4 U
PEST	DIMETHOATE	µg/Kg	61 U	62 U	60 U	62 U	59 U	59 U	67 U	64 U	65 U	63 U	54 U
PEST	DISULFOTON	µg/Kg	10 U	10 U	10 U	10 U	9.9 U	9.9 U	11 U	11 U	11 U	11 U	9.1 U
PEST	ENDOSULFAN I	µg/Kg	0.55 U	0.55 U	0.54 U	0.56 U	0.53 U	0.53 U	0.61 U	**1.1** J	0.58 U	0.57 U	4.9 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			5685-2	574-1	574-2	6676-1	6676-2-D	6676-2-M	6960-1	6960-1-C	6960-2	6960-2-C	706-1
			MidBlind_5685-2	MidBlind_574-1	MidBlind_574-2	MidBlind_6676-1	MidBlind_6676-2-D	MidBlind_6676-2-M	MidBlind_6960-1	MidBlind_6960-1-C	MidBlind_6960-2	MidBlind_6960-2-C	MidBlind_706-1
			11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
PEST	ENDOSULFAN II	µg/Kg	0.6 U	0.6 U	0.59 U	0.61 U	0.58 U	0.58 U	0.66 U	0.63 U	0.63 U	0.62 U	5.3 U
PEST	SUMMED Endosulfan (I and II)	µg/Kg	**0.57**	**0.57**	**0.56**	**0.58**	**0.55**	**0.55**	**0.63**	**1.4**	**0.6**	**0.6**	**5.1**
PEST	ENDOSULFAN SULFATE	µg/Kg	0.86 U	0.86 U	0.85 U	0.88 U	0.83 U	0.83 U	0.95 UJ	0.91 UJ	0.91 UJ	0.9 UJ	7.7 U
PEST	ENDRIN	µg/Kg	0.87 U	0.87 U	0.86 U	0.89 U	0.84 U	0.84 U	0.96 U	0.92 U	0.92 U	0.91 U	7.8 U
PEST	ENDRIN ALDEHYDE	µg/Kg	0.9 U	0.9 U	0.88 U	0.91 U	0.87 U	0.87 U	0.99 U	0.94 U	0.95 U	0.93 U	8 U
PEST	FAMPHUR	µg/Kg	33 UJ	34 UJ	33 UJ	33 UJ	32 UJ	32 UJ	37 UJ	35 UJ	36 UJ	34 UJ	30 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	0.69 U	0.69 U	0.68 U	0.71 U	0.67 U	0.67 U	0.76 U	0.73 U	0.73 U	0.72 U	6.2 U
PEST	HEPTACHLOR	µg/Kg	0.72 U	0.72 U	0.71 U	0.73 U	0.69 U	0.69 U	0.79 U	0.76 U	0.76 U	0.75 U	6.4 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	0.99 U	0.99 U	0.98 U	1 U	0.96 U	0.96 U	1.1 U	1 U	1.1 U	1 U	**110** J
PEST	KEPONE	µg/Kg	2000 U	2000 U	1900 U	2000 U	1900 U	1900 U	2200 U	2100 U	2100 U	2000 U	1800 U
PEST	METHOXYCHLOR	µg/Kg	**8.5** J	**8** J	**7.5** J	1.2 U	1.2 U	1.2 U	1.3 U	1.3 U	1.3 U	1.2 U	11 U
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	11 U	11 U	11 U	11 U	11 U	11 U	12 U	12 U	12 U	12 U	9.9 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	20 U	21 U	20 U	21 U	20 U	20 U	22 U	22 U	22 U	21 U	18 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	20 U	20 U	20 U	20 U	19 U	19 U	22 U	21 U	22 U	21 U	18 U
PEST	PARATHION, METHYL	µg/Kg	13 U	14 U	13 U	13 U	13 U	13 U	15 U	14 U	14 U	14 U	12 U
PEST	PHORATE	µg/Kg	10 UJ	11 UJ	10 UJ	10 U	9.9 U	10 U	11 U	11 U	11 U	11 U	9.2 UJ
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	790 U	800 U	770 U	790 U	750 U	760 U	870 U	830 U	840 U	810 U	700 U
PEST	TOXAPHENE	µg/Kg	11 U	11 U	11 U	11 U	11 U	11 U	12 U	12 U	12 U	12 U	100 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	9.5 U	9.6 U	9.3 U	9.5 U	9.1 U	9.1 U	10 U	10 U	10 U	9.8 U	8.4 U
SVOC	1,3-DINITROBENZENE	µg/Kg	8.8 U	8.9 U	8.7 U	8.8 U	8.4 U	8.5 U	9.7 U	9.3 U	9.4 U	9.1 U	7.8 U
SVOC	1,4-DIOXANE	µg/Kg	390 UJ	400 UJ	390 UJ	400 U	380 U	380 U	430 U	410 U	420 U	410 U	350 UJ
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	13 UJ	14 U	13 UJ	13 U	13 U	13 U	15 U	14 U	14 U	14 U	12 U
SVOC	1-NAPHTHYLAMINE	µg/Kg	390 U	400 U	390 U	400 UJ	380 UJ	380 U	430 U	410 U	420 U	410 U	350 U
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	39 U	39 U	38 U	39 U	37 U	37 U	43 U	41 U	41 U	40 U	34 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	16 U	16 U	**16** J	16 U	15 U	16 U	18 U	17 U	17 U	17 U	14 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	8.9 U	9 U	8.8 U	9 U	8.6 U	8.6 U	9.8 U	9.4 U	9.5 U	9.2 U	7.9 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	6.8 U	6.9 U	6.7 U	6.8 U	6.5 U	6.6 U	7.5 UJ	7.2 UJ	7.3 UJ	7 UJ	6 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	30 U	30 U	29 U	30 U	28 U	28 U	33 UJ	31 UJ	32 UJ	30 UJ	26 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	65 U	66 U	64 U	65 U	62 U	62 U	71 U	68 U	69 U	67 U	58 U
SVOC	2,4-DINITROPHENOL	µg/Kg	23 UJ	23 U	22 UJ	23 U	22 U	22 U	25 U	24 U	24 U	23 U	20 U
SVOC	2,4-DINITROTOLUENE	µg/Kg	32 U	33 U	32 U	32 U	31 U	31 U	35 U	34 U	34 U	33 U	29 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	16 U	16 U	16 U	16 U	15 U	15 U	18 U	17 U	17 U	16 U	14 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	6.8 U	6.9 U	6.7 U	6.8 U	6.5 U	6.5 U	7.5 U	7.2 U	7.3 U	7 U	6 U
SVOC	2-Acetylaminofluorene	µg/Kg	15 U	16 U	15 U	16 U	15 U	15 U	17 U	16 U	16 U	16 U	14 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	29 U	29 U	28 U	29 U	28 U	28 U	32 U	30 U	31 U	30 U	26 U
SVOC	2-CHLOROPHENOL	µg/Kg	30 U	30 U	29 U	30 U	28 U	28 U	33 U	31 U	32 U	30 U	26 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	8.5 U	**12** J	**13** J	8.5 U	8.1 U	8.2 U	9.4 U	8.9 U	9.1 U	8.7 U	7.5 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	20 U	20 U	20 U	20 U	19 U	19 U	22 U	21 U	21 U	21 U	18 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	390 U	400 U	390 U	400 U	380 U	380 U	430 U	410 U	420 U	410 U	350 U
SVOC	2-NITROANILINE	µg/Kg	9 U	9.1 U	8.8 U	9.1 U	8.6 U	8.7 U	9.9 U	9.5 U	9.6 U	9.3 U	8 U
SVOC	2-NITROPHENOL	µg/Kg	11 U	12 U	11 U	12 U	11 U	11 U	13 U	12 U	12 U	12 U	10 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	12 U	12 U	11 U	12 U	11 U	11 U	13 U	12 U	12 U	12 U	10 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	67 U	68 U	66 U	67 U	64 U	64 U	74 U	70 U	71 U	69 U	59 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	390 U	400 U	390 U	400 U	380 U	380 U	430 U	410 U	420 U	410 U	350 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	21 U	21 U	21 U	21 U	20 U	20 U	23 U	22 U	22 U	22 U	19 U

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U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

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			5685-2	574-1	574-2	6676-1	6676-2-D	6676-2-M	6960-1	6960-1-C	6960-2	6960-2-C	706-1
			MidBlind_5685-2	MidBlind_574-1	MidBlind_574-2	MidBlind_6676-1	MidBlind_6676-2-D	MidBlind_6676-2-M	MidBlind_6960-1	MidBlind_6960-1-C	MidBlind_6960-2	MidBlind_6960-2-C	MidBlind_706-1
			11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	3-NITROANILINE	µg/Kg	7.8 U	8 U	7.7 U	7.9 U	7.5 U	7.6 U	8.7 U	8.3 U	8.4 U	8.1 U	7 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	15 U	15 U	15 U	15 U	14 U	14 U	16 U	16 U	16 U	15 U	13 U
SVOC	4-AMINOBIPHENYL	µg/Kg	11 U	11 U	11 U	11 U	11 U	11 U	12 U	12 U	12 U	12 U	10 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	15 U	15 U	14 U	15 U	14 U	14 U	16 U	15 U	16 U	15 U	13 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	12 U	12 U	12 U	12 U	11 U	11 U	13 U	12 U	13 U	12 U	11 U
SVOC	4-CHLOROANILINE	µg/Kg	49 U	49 U	48 U	49 U	47 U	47 U	54 U	51 U	52 U	50 U	43 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	5.5 U	5.6 U	5.5 U	5.6 U	5.3 U	5.3 U	6.1 U	5.8 U	5.9 U	5.7 U	4.9 U
SVOC	4-NITROANILINE	µg/Kg	46 U	47 U	45 U	46 U	44 U	44 U	51 U	48 U	49 U	47 U	41 U
SVOC	4-NITROPHENOL	µg/Kg	9.8 U	10 U	9.7 U	9.9 U	9.4 U	9.5 U	11 U	10 U	11 U	10 U	8.7 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	9.6 U	9.7 UJ	9.4 U	9.6 U	9.2 U	9.2 U	11 UJ	10 UJ	10 UJ	9.9 UJ	8.5 UJ
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	13 U	13 U	12 U	13 U	12 U	12 U	14 U	13 U	13 U	13 U	11 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	15 U	16 U	15 U	16 U	15 U	15 U	17 U	16 U	16 U	16 U	14 U
SVOC	ACENAPHTHENE	µg/Kg	8.5 U	8.6 U	8.3 U	8.5 UJ	8.1 UJ	8.2 UJ	9.4 U	8.9 U	9.1 U	8.7 U	**33** J
SVOC	ACENAPHTHYLENE	µg/Kg	8.6 U	8.7 U	8.4 U	8.6 U	8.2 U	8.3 U	9.5 U	9 U	9.2 U	8.8 U	7.6 U
SVOC	ACETOPHENONE	µg/Kg	9.7 U	**65** J	**66** J	9.8 U	9.4 U	9.4 U	11 U	10 U	10 U	10 U	8.7 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	390 U	400 UJ	390 U	400 U	380 U	380 U	430 U	410 U	420 U	410 U	350 UJ
SVOC	ANILINE	µg/Kg	51 U	52 U	50 U	51 U	49 U	49 U	56 U	54 U	54 U	52 U	45 U
SVOC	ANTHRACENE	µg/Kg	**16** J	**14** J	5.8 U	5.9 U	5.7 U	5.7 U	6.5 U	6.2 U	6.3 U	6.1 U	5.3 U
SVOC	ARAMITE (TOTAL)	µg/Kg	81 U	83 U	80 U	82 U	78 U	78 U	90 U	86 U	87 U	84 U	72 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	7 U	7.1 U	6.8 U	7 U	6.7 U	6.7 U	7.7 U	7.3 U	7.4 U	7.2 U	**850**
SVOC	BENZO(A)PYRENE	µg/Kg	**49** J	**32** J	**33** J	9.4 UJ	9 UJ	9 UJ	10 UJ	9.9 UJ	10 UJ	9.6 UJ	**1100** J
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	**73** J	**58** J	**58** J	**61** J	**49** J	**52** J	**52** J	**58** J	**51** J	**46** J	**1500**
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	**74** J	**64** J	**66** J	**160** J	**150** J	31 U	35 U	34 U	34 U	33 U	**1200** J
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	**22** J	**18** J	**22** J	11 UJ	**49** J	10 U	**48** J	**46** J	**47** J	**44** J	**570** J
SVOC	BENZYL ALCOHOL	µg/Kg	8.6 U	8.7 U	8.5 U	8.7 U	8.3 U	8.3 U	9.5 U	9.1 U	9.2 U	8.9 U	7.7 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	9 U	9.2 U	8.9 U	9.1 U	8.7 U	8.7 U	10 U	9.5 U	9.7 U	9.3 U	8 U
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	6.1 U	6.2 U	6 U	6.2 U	5.9 U	5.9 U	6.7 U	6.4 U	6.5 U	6.3 U	5.4 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	43 U	43 U	42 U	43 U	41 U	41 U	47 U	45 U	46 U	44 U	38 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	**100** J	**520**	**630**	19 U	18 U	**19** J	21 U	20 U	**35** J	19 U	**50** J
SVOC	CHLOROBENZILATE	µg/Kg	22 U	23 U	22 U	22 U	21 U	21 U	25 U	24 U	24 U	23 U	20 U
SVOC	CHRYSENE	µg/Kg	13 U	13 U	12 U	**35** J	**33** J	**34** J	14 U	13 U	13 U	13 U	**1400**
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	7.9 U	**16** J	**25** J	8 U	7.6 U	7.6 U	8.7 U	8.3 U	8.5 U	8.1 U	7 U
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	8.2 U	8.4 U	8.1 U	8.3 UJ	7.9 UJ	7.9 U	9.1 UJ	8.7 UJ	8.8 UJ	8.5 UJ	7.3 UJ
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	33 U	33 U	32 U	33 U	32 U	32 U	36 U	35 U	35 U	34 U	29 U
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	37 U	37 U	36 U	37 U	35 U	35 U	40 U	39 U	39 U	38 U	**260** J
SVOC	DIBENZOFURAN	µg/Kg	5 U	5.1 U	5 U	5.1 U	4.9 U	4.9 U	5.6 U	5.3 U	5.4 U	5.2 U	4.5 U
SVOC	DIETHYL PHTHALATE	µg/Kg	6.5 U	6.6 U	6.4 U	6.5 U	6.2 U	6.2 U	7.1 U	6.8 U	6.9 U	6.7 U	5.7 U
SVOC	DIMETHYL PHTHALATE	µg/Kg	23 U	24 U	23 U	24 U	22 U	23 U	26 U	25 U	25 U	24 U	21 U
SVOC	DIPHENYLAMINE	µg/Kg	32 U	33 U	32 U	32 U	31 U	31 U	35 U	34 U	34 U	33 U	29 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	14 U	14 U	14 U	14 U	14 U	14 U	16 UJ	15 UJ	15 UJ	15 UJ	13 U
SVOC	FLUORANTHENE	µg/Kg	**99** J	**64** J	**55** J	**31** J	**25** J	**19** J	12 U	**21** J	**17** J	**12** J	**2400**
SVOC	FLUORENE	µg/Kg	6.6 U	6.7 U	6.5 U	6.7 U	6.3 U	6.4 U	7.3 U	7 U	7.1 U	6.8 U	**40** J
SVOC	HEXACHLOROBENZENE	µg/Kg	11 U	12 U	11 U	12 U	11 U	11 U	13 U	12 U	12 U	12 U	10 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	38 U	39 U	38 U	39 U	37 U	37 U	42 U	40 U	41 U	40 U	34 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	29 U	30 U	29 U	29 U	28 U	28 U	32 U	31 U	31 U	30 U	26 U
SVOC	HEXACHLOROETHANE	µg/Kg	52 U	53 U	52 U	53 U	50 U	51 U	58 U	55 U	56 U	54 U	47 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			5685-2	574-1	574-2	6676-1	6676-2-D	6676-2-M	6960-1	6960-1-C	6960-2	6960-2-C	706-1
			MidBlind_5685-2	MidBlind_574-1	MidBlind_574-2	MidBlind_6676-1	MidBlind_6676-2-D	MidBlind_6676-2-M	MidBlind_6960-1	MidBlind_6960-1-C	MidBlind_6960-2	MidBlind_6960-2-C	MidBlind_706-1
			11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	HEXACHLOROPHENE	µg/Kg	790 UJ	800 UJ	770 UJ	790 UJ	750 UJ	760 UJ	870 UJ	830 UJ	840 UJ	810 UJ	700 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	52 U	53 U	51 U	53 U	50 U	50 U	58 U	55 U	56 U	54 U	46 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	**58** J	**41** J	27 UJ	27 U	26 U	26 U	30 U	29 U	29 U	28 U	**1400**
SVOC	ISODRIN	µg/Kg	22 U	22 U	22 U	22 U	21 U	21 U	24 U	23 U	23 U	23 U	20 U
SVOC	ISOPHORONE	µg/Kg	5.5 U	5.6 U	5.4 U	5.5 U	5.3 U	5.3 U	6 U	5.8 U	5.9 U	5.6 U	4.9 U
SVOC	ISOSAFROLE	µg/Kg	19 U	19 U	19 U	19 U	18 U	18 U	21 U	20 U	20 U	20 U	17 U
SVOC	METHAPYRILENE	µg/Kg	46 U	46 U	45 U	46 UJ	44 UJ	44 U	50 U	48 U	49 U	47 U	41 U
SVOC	METHYL METHANESULFONATE	µg/Kg	22 U	23 U	22 U	23 U	22 U	22 U	25 U	24 U	24 U	23 U	20 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	12 U	12 U	11 U	12 U	11 U	11 U	13 U	12 U	12 U	12 U	10 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	8.9 U	9 U	8.8 U	9 U	8.6 U	8.6 U	9.8 U	9.4 U	9.5 U	9.2 U	7.9 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	21 U	21 U	20 U	21 U	20 U	20 U	23 UJ	22 UJ	22 UJ	21 UJ	18 UJ
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	47 U	48 UJ	47 U	48 UJ	45 UJ	46 UJ	52 U	50 U	51 U	49 U	42 U
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	13 U	13 U	13 U	13 UJ	13 UJ	13 U	14 U	14 U	14 U	13 U	12 U
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	18 U	18 U	18 U	18 UJ	17 UJ	17 U	20 U	19 U	19 U	18 U	16 U
SVOC	N-NITROSOMORPHOLINE	µg/Kg	21 U	21 U	21 U	21 U	20 U	20 U	23 U	22 U	22 U	22 U	19 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	13 U	13 U	13 U	13 U	12 U	12 U	14 U	13 U	14 U	13 U	11 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	390 U	400 U	390 U	400 U	380 U	380 U	430 U	410 U	420 U	410 U	350 U
SVOC	NAPHTHALENE	µg/Kg	**130** J	**78** J	**86** J	32 U	30 U	30 U	35 U	33 U	34 U	32 U	28 U
SVOC	NITROBENZENE	µg/Kg	40 U	41 U	40 U	41 U	39 U	39 U	45 U	43 U	43 U	42 U	36 U
SVOC	O-TOLUIDINE	µg/Kg	390 U	400 U	390 U	400 U	380 U	380 U	430 U	410 U	420 U	410 U	350 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	14 U	15 U	14 U	14 U	14 U	14 U	16 U	15 U	15 U	15 U	13 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	32 UJ	33 UJ	32 UJ	32 U	31 U	31 U	35 UJ	34 UJ	34 UJ	33 UJ	29 UJ
SVOC	PENTACHLOROBENZENE	µg/Kg	31 U	32 U	31 U	32 U	30 U	30 U	35 U	33 U	34 U	32 U	28 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	22 U	22 U	21 U	22 U	21 U	21 U	24 U	23 U	23 U	22 U	19 U
SVOC	PENTACHLOROPHENOL	µg/Kg	35 UJ	35 UJ	34 UJ	35 UJ	34 UJ	34 UJ	39 UJ	37 UJ	37 UJ	36 UJ	31 U
SVOC	PHENACETIN	µg/Kg	14 U	14 U	14 U	14 U	13 U	13 U	15 U	15 U	15 U	14 U	12 U
SVOC	PHENANTHRENE	µg/Kg	**55** J	**35** J	**45** J	**14** J	**13** J	**16** J	**10** J	**15** J	**11** J	**8.3** J	**1500**
SVOC	PHENOL	µg/Kg	8.1 U	8.3 U	8 U	8.2 UJ	7.8 UJ	7.8 UJ	9 U	8.6 U	8.7 U	8.4 U	7.2 U
SVOC	PRONAMIDE	µg/Kg	12 U	13 U	12 U	13 U	12 U	12 U	14 U	13 U	13 U	13 U	11 U
SVOC	PYRENE	µg/Kg	**77** J	**56** J	**67** J	19 U	18 U	**21** J	20 U	**20** J	20 U	19 U	**2900** J
SVOC	PYRIDINE	µg/Kg	59 U	59 U	58 U	59 UJ	56 UJ	56 UJ	65 U	62 U	63 U	60 U	52 U
SVOC	SAFROLE	µg/Kg	17 U	17 U	16 U	17 U	16 U	16 U	18 U	18 U	18 U	17 U	15 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	390 U	400 U	390 U	400 U	380 U	380 U	430 U	410 U	420 U	410 U	350 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	8 U	9.1 U	8.9 U	10 U	10 U	11 U	12 U	9.7 U	10 U	11 U	9.4 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	5.6 U	6.4 U	6.2 U	7.2 U	7.2 U	7.9 U	8.2 U	6.8 U	7.2 U	7.5 U	6.6 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	8.2 U	9.3 U	9.1 U	11 U	11 U	12 U	12 U	9.9 U	11 U	11 U	9.7 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	5.2 U	5.9 U	5.7 U	6.6 U	6.7 U	7.3 U	7.6 U	6.3 U	6.7 U	6.9 U	6.1 U
VOC	1,1-DICHLOROETHANE	µg/Kg	7.2 U	8.2 U	8 U	9.3 U	9.4 U	10 U	11 U	8.8 U	9.3 U	9.6 U	8.5 U
VOC	1,1-DICHLOROETHENE	µg/Kg	16 U	19 U	18 U	21 U	21 U	23 U	24 U	20 U	21 U	22 U	19 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	11 U	13 U	12 U	14 U	14 U	16 U	16 U	14 U	14 U	15 U	13 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	6.8 U	7.8 U	7.6 U	8.7 U	8.8 U	9.6 U	10 U	8.3 U	8.8 U	9.1 U	8 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	59 U	60 U	58 U	59 U	57 U	57 U	65 U	62 U	63 U	61 U	52 U
VOC	1,2-DICHLOROETHANE	µg/Kg	5.2 U	5.9 U	5.7 U	6.6 U	6.7 U	7.3 U	7.6 U	6.3 U	6.7 U	6.9 U	6.1 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	5.1 U	5.8 U	5.6 U	6.5 U	6.6 U	7.2 U	7.4 U	6.2 U	6.6 U	6.8 U	6 U
VOC	1,3-DICHLOROBENZENE	µg/Kg	61 U	62 U	60 U	62 U	59 U	59 U	68 U	65 U	66 U	63 U	55 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	56 U	57 U	55 U	56 UJ	54 UJ	54 UJ	62 U	59 U	60 U	58 U	50 U
VOC	2-HEXANONE	µg/Kg	38 U	43 U	42 U	48 U	49 U	53 U	55 U	46 U	48 U	50 U	44 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			5685-2	574-1	574-2	6676-1	6676-2-D	6676-2-M	6960-1	6960-1-C	6960-2	6960-2-C	706-1
			MidBlind_5685-2	MidBlind_574-1	MidBlind_574-2	MidBlind_6676-1	MidBlind_6676-2-D	MidBlind_6676-2-M	MidBlind_6960-1	MidBlind_6960-1-C	MidBlind_6960-2	MidBlind_6960-2-C	MidBlind_706-1
			11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006
		Samp	1-6	0-1	1-6	0-1	1-6	1-6	0-1	0-1	1-6	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
VOC	ACETONE	µg/Kg	17 UJ	19 UJ	19 UJ	22 UJ	22 UJ	24 U	25 UJ	21 UJ	22 UJ	23 UJ	**350** J
VOC	ACETONITRILE	µg/Kg	210 UJ	230 UJ	230 UJ	260 UJ	270 UJ	290 UJ	300 UJ	250 UJ	270 UJ	270 UJ	240 UJ
VOC	ACROLEIN	µg/Kg	110 U	120 U	120 U	140 UJ	140 UJ	150 UJ	160 UJ	130 UJ	140 UJ	140 UJ	130 UJ
VOC	ACRYLONITRILE	µg/Kg	32 U	**320** J	36 U	41 U	42 U	46 U	47 U	39 U	42 U	43 U	38 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	45 U	52 U	50 U	58 U	59 U	64 U	66 U	55 U	59 U	61 U	54 U
VOC	BENZENE	µg/Kg	4.7 U	5.4 U	5.2 U	6.1 U	6.1 U	6.6 U	6.9 U	5.7 U	6.1 U	6.3 U	5.6 U
VOC	BROMODICHLOROMETHANE	µg/Kg	6.1 U	7 U	6.8 U	7.9 U	7.9 U	8.6 U	9 U	7.4 U	7.9 U	8.2 U	7.2 U
VOC	BROMOFORM	µg/Kg	7.7 U	8.7 U	8.5 U	9.8 U	9.9 U	11 U	11 U	9.3 U	9.9 U	10 U	9.1 U
VOC	BROMOMETHANE	µg/Kg	68 U	78 U	76 U	88 U	89 U	96 U	100 U	83 U	88 U	91 U	81 U
VOC	CARBON DISULFIDE	µg/Kg	5 U	5.6 U	5.5 U	6.3 U	6.4 U	7 U	7.2 U	6 U	6.4 U	6.6 U	5.8 U
VOC	CARBON TETRACHLORIDE	µg/Kg	5.5 U	6.2 U	6 U	7 U	7.1 U	7.7 U	8 U	6.6 U	7 U	7.3 U	6.4 U
VOC	CHLOROBENZENE	µg/Kg	7.5 U	8.5 U	8.3 U	9.6 U	9.7 U	11 U	11 U	9.1 U	9.7 U	10 U	8.8 U
VOC	CHLOROETHANE	µg/Kg	28 UJ	31 UJ	31 UJ	35 U	36 U	39 U	40 UJ	33 UJ	36 UJ	37 UJ	33 UJ
VOC	CHLOROFORM	µg/Kg	6.4 U	7.3 U	**28** J	8.2 U	8.3 U	9 U	9.4 U	7.8 U	8.3 U	8.6 U	7.6 U
VOC	CHLOROMETHANE	µg/Kg	21 U	24 U	23 U	27 UJ	27 UJ	30 U	31 U	26 U	27 U	28 U	25 U
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	45 U	52 U	50 U	58 U	59 U	64 U	66 U	55 U	59 U	61 U	54 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	5.2 U	5.9 U	5.8 U	6.7 U	6.8 U	7.3 UJ	7.6 U	6.3 U	6.7 U	7 U	6.2 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	4.1 U	4.7 U	4.5 U	5.2 U	5.3 U	5.8 U	6 U	5 U	5.3 U	5.5 U	4.8 U
VOC	DIBROMOMETHANE	µg/Kg	7.1 U	8.1 U	7.9 U	9.1 U	9.2 U	10 U	10 U	8.6 U	9.2 U	9.5 U	8.4 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	17 UJ	19 UJ	18 UJ	21 U	21 U	23 U	24 U	20 U	21 U	22 U	20 U
VOC	ETHYL BENZENE	µg/Kg	9.4 U	11 U	10 U	12 U	12 U	13 UJ	14 U	11 U	12 U	13 U	11 U
VOC	ETHYL METHACRYLATE	µg/Kg	45 U	52 U	50 U	58 U	59 U	64 U	66 U	55 U	59 U	61 U	54 U
VOC	ISOBUTANOL	µg/Kg	45 UJ	52 UJ	50 UJ	58 U	59 U	64 UJ	66 UJ	55 UJ	59 UJ	61 UJ	54 UJ
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	14 U	16 U	16 U	18 U	18 U	20 U	21 U	17 U	18 U	19 U	17 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	41 U	47 U	46 U	53 UJ	53 UJ	58 UJ	60 U	50 U	53 U	55 U	49 U
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	7.9 U	8.9 U	8.7 U	10 U	10 U	11 U	12 U	9.5 U	10 U	11 U	9.3 U
VOC	METHYL METHACRYLATE	µg/Kg	45 U	52 U	50 U	58 U	59 U	64 U	66 U	55 U	59 U	61 U	54 U
VOC	METHYLACRYLONITRILE	µg/Kg	230 UJ	260 UJ	250 UJ	290 U	290 U	320 U	330 U	280 U	290 U	300 U	270 U
VOC	METHYLENE CHLORIDE	µg/Kg	22 U	25 U	24 U	28 U	28 U	31 U	32 U	26 U	28 U	29 U	26 U
VOC	PENTOCHLORETHANE	µg/Kg	13 U	14 U	13 U	13 U	13 U	13 U	15 U	14 U	14 U	14 U	12 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	45 UJ	52 UJ	50 UJ	58 UJ	59 UJ	64 UJ	66 UJ	55 UJ	59 UJ	61 UJ	54 UJ
VOC	STYRENE	µg/Kg	6.9 U	7.9 U	7.7 U	8.8 U	8.9 U	9.7 U	10 U	8.4 U	8.9 U	9.2 U	8.2 U
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	8.7 U	9.9 U	9.7 U	11 U	11 U	12 U	13 U	11 U	11 U	12 U	10 U
VOC	TOLUENE	µg/Kg	**36** J	**90**	**1100**	32 UJ	**1000** J	35 UJ	**290**	30 U	**370**	33 U	**500**
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	7.4 U	8.5 U	8.3 U	9.5 U	9.6 U	11 U	11 U	9 U	9.6 U	9.9 U	8.8 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	6.4 U	7.3 U	7.1 U	8.2 U	8.3 U	9 U	9.4 U	7.8 U	8.3 U	8.6 U	7.6 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	33 U	37 U	36 U	42 U	42 U	46 U	48 U	40 U	42 U	44 U	39 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	8 U	9.1 U	8.9 U	10 U	10 U	11 U	12 U	9.8 U	10 U	11 U	9.5 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	11 U	13 U	13 U	15 U	15 U	16 U	17 U	14 U	15 U	15 U	14 U
VOC	VINYL ACETATE	µg/Kg	44 U	51 U	49 U	57 U	58 U	63 U	65 U	54 U	57 U	59 U	53 U
VOC	VINYL CHLORIDE	µg/Kg	16 U	18 U	18 U	20 U	21 U	22 UJ	23 U	19 U	21 U	21 U	19 U
VOC	XYLENES, TOTAL	µg/Kg	26 U	30 U	29 U	33 U	34 U	37 U	38 U	32 U	34 U	35 U	**34** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
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Midland Area Soils

			706-1-C	706-2	706-2-C	7500-1	7500-2	7530-1	7530-1-D	7530-2	7734-1	7734-2	8046-1
			MidBlind_706-1-C	MidBlind_706-2	MidBlind_706-2-C	MidBlind_7500-1	MidBlind_7500-2	MidBlind_7530-1	MidBlind_7530-1-D	MidBlind_7530-2	MidBlind_7734-1	MidBlind_7734-2	MidBlind_8046-1
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006
		Samp	0-1	1-6	1-6	0-1	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	SOIL	Soil
Group	**Analyte**	**Units**											
GEN	CYANIDE, TOTAL	µg/Kg	**170** J	**270**	**1400**	**16** J	**210**	**41** J	0.007 U	**18** J	**88** J	**80** J	**51** J
GEN	SULFIDE	mg/kg	93 U	86 U	88 U	130 U	110 U	93 U	94 U	93 U	94 U	91 U	100 UJ
GEN	TOTAL ORGANIC CARBON	mg/kg	**5700**	**4700**	**7800**	**62000**	**51000**	**7700**	**7900**	**7400**	**21000**	**9800**	**16000**
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	2.3 U	2.2 U	2.2 U	3.2 U	2.8 U	2.3 U	2.3 U	2.3 U	2.4 U	2.3 U	2.5 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	1.9 U	1.8 U	1.8 U	**29**	**65** J	1.9 U	1.9 U	1.9 U	2 U	1.9 U	2.1 U
HERB	DINOSEB	µg/Kg	180 U	56 UJ	57 U	82 UJ	74 UJ	61 U	61 U	60 U	61 U	59 UJ	67 U
HERB	SILVEX (2,4,5-TP)	µg/Kg	2 U	1.9 U	1.9 U	2.7 U	2.5 U	2 U	2 U	2 U	2.1 U	2 U	2.2 U
MET	ANTIMONY	µg/Kg	**1900** J	1000 U	**1900** J	**1800** J	270 U	220 U	230 U	220 U	230 U	220 U	240 U
MET	ARSENIC	µg/Kg	**2200**	**3400** J	**2900**	**11000**	**13000**	**590** J	**760** J	**720** J	**4300**	**5400**	**4100**
MET	BARIUM	µg/Kg	**20000**	**17000**	**19000**	**53000**	**63000**	**14000**	**16000**	**17000**	**27000**	**31000**	**31000**
MET	BERYLLIUM	µg/Kg	**61** J	**100** J	**86** J	**500**	**580**	**85** J	**99** J	**110** J	**210** J	**240**	**220** J
MET	CADMIUM	µg/Kg	14 U	68 U	14 U	20 U	**860**	**80** J	**90** J	**100** J	15 U	**230**	**130** J
MET	CHROMIUM, TOTAL	µg/Kg	**6800**	**5500**	**6400**	**7900**	**9100**	**2200**	**2600**	**2800**	**5500**	**6700**	**4900**
MET	COBALT	µg/Kg	**1400**	**1700** J	**1400**	**1900**	**2200**	**600**	**730**	**760**	**1800**	**2700**	**1900**
MET	COPPER	µg/Kg	**20000**	**19000**	**20000**	**34000**	**50000**	**3200**	**3800**	**4100**	**14000**	**15000**	**29000**
MET	LEAD	µg/Kg	**47000**	**32000**	**56000**	**88000**	**89000**	**3600**	**4200**	**4400**	**53000**	**44000**	**13000**
MET	MERCURY	µg/Kg	4.1 U	3.9 U	3.9 U	**120**	**68**	**8.6** J	**14**	**15**	**35**	**42**	**27**
MET	NICKEL	µg/Kg	**4800**	**5900**	**5500**	**8000**	**9500**	**1600**	**2000**	**2100**	**5700**	**7900**	**5200**
MET	SELENIUM	µg/Kg	480 U	**6900**	460 U	670 U	**920**	490 U	500 U	490 U	500 U	480 U	540 U
MET	SILVER	µg/Kg	54 U	**810** J	52 U	74 U	67 U	55 U	55 U	54 U	55 U	53 U	60 U
MET	THALLIUM	µg/Kg	200 U	920 U	190 U	270 U	240 U	200 U	200 U	200 U	200 U	190 U	220 U
MET	TIN	µg/Kg	510 U	2400 U	490 U	710 U	630 U	520 U	530 U	520 U	530 U	510 U	570 U
MET	VANADIUM	µg/Kg	**6700**	**8400**	**6700**	**15000**	**17000**	**5300**	**6500**	**6700**	**7300**	**11000**	**11000**
MET	ZINC	µg/Kg	**67000**	280 U	56 U	**83000**	**82000**	**10000**	**12000**	**13000**	60 U	**41000**	65 U
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	310 U	120 U	58 U	8.5 U	7.5 U	31 U	13 U	31 U	6.3 U	6.1 U	6.8 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	530 U	200 U	100 U	15 U	13 U	52 U	22 U	53 U	11 U	10 U	12 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	580 U	220 U	110 U	16 U	14 U	57 U	24 U	58 U	12 U	11 U	13 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	670 U	250 U	130 U	19 U	16 U	67 U	28 U	67 U	14 U	13 U	15 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	450 U	170 U	85 U	12 U	11 U	45 U	18 U	45 U	9.1 U	8.9 U	9.9 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	370 U	140 U	71 U	10 U	9.1 U	37 U	15 U	37 U	7.6 U	7.4 U	8.2 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	310 U	120 U	59 U	8.6 U	7.6 U	31 U	13 U	31 U	6.3 U	6.2 U	6.8 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	410 U	150 U	78 U	11 U	10 U	41 U	17 U	41 U	8.3 U	8.1 U	9 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	550 U	210 U	110 U	15 U	14 U	55 U	23 U	55 U	11 U	**81**	12 U
PCB	SUMMED PCB	µg/Kg	**2100**	**790**	**400**	**57**	**51**	**210**	**85**	**210**	**42**	**120**	**46**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	43 U	48 U	53 U	72 U	57 U	43 U	40 U	64 U	74 U	40 U	46 U
PEST	4,4'-DDD	µg/Kg	**610** J	**130** J	**370** J	**1.9** J	0.81 U	3.3 U	1.4 U	3.3 U	**3.9** J	**2.3** J	0.73 U
PEST	4,4'-DDE	µg/Kg	**1200**	**310** J	**820** J	1.2 U	1.1 U	**41** J	1.8 U	4.5 U	**7.6** J	**14** J	**3.1** J
PEST	4,4'-DDT	µg/Kg	**2500**	**830**	**2700**	1.4 U	**1.8** J	5 U	2.1 U	5.1 U	**3.7** J	**15** J	1.1 U
PEST	ALDRIN	µg/Kg	34 U	13 U	65 U	0.95 U	0.84 U	3.4 U	1.4 U	3.4 U	0.7 U	0.68 U	0.76 U
PEST	ALPHA BHC	µg/Kg	44 U	16 U	83 U	**2.2** J	**3.4** J	4.3 U	1.8 U	4.4 U	0.89 U	0.87 U	0.96 U
PEST	BETA BHC	µg/Kg	47 U	18 U	89 U	1.3 U	1.1 U	4.7 U	1.9 U	4.7 U	0.96 U	0.93 U	1 U
PEST	CHLORDANE	µg/Kg	46 U	17 U	87 U	1.3 U	1.1 U	**310** J	1.9 UJ	**330**	0.93 U	0.91 U	1 U
PEST	DELTA BHC	µg/Kg	42 U	16 U	80 U	1.2 U	**2.4** J	4.2 U	1.7 U	4.3 U	0.86 UJ	0.84 U	0.93 U
PEST	DIELDRIN	µg/Kg	34 U	13 U	65 U	**1.5** J	0.84 U	3.4 U	1.4 U	3.4 U	0.7 U	0.68 U	0.76 U
PEST	DIMETHOATE	µg/Kg	180 U	55 U	56 U	80 U	72 U	60 U	60 U	59 U	60 U	58 U	65 U
PEST	DISULFOTON	µg/Kg	30 U	9.3 U	9.5 U	14 U	12 U	10 U	10 U	9.9 U	10 U	9.7 U	11 U
PEST	ENDOSULFAN I	µg/Kg	26 U	9.9 U	50 U	0.73 U	0.64 U	2.6 U	**22** J	**34** J	0.54 U	0.52 U	0.58 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			706-1-C	706-2	706-2-C	7500-1	7500-2	7530-1	7530-1-D	7530-2	7734-1	7734-2	8046-1
			MidBlind_706-1-C	MidBlind_706-2	MidBlind_706-2-C	MidBlind_7500-1	MidBlind_7500-2	MidBlind_7530-1	MidBlind_7530-1-D	MidBlind_7530-2	MidBlind_7734-1	MidBlind_7734-2	MidBlind_8046-1
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006
		Samp	0-1	1-6	1-6	0-1	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	SOIL	Soil
Group	**Analyte**	**Units**											
PEST	ENDOSULFAN II	µg/Kg	29 U	11 U	54 U	0.79 U	0.7 U	**6.9** J	1.2 U	**8.2** J	0.58 U	0.57 U	0.63 U
PEST	SUMMED Endosulfan (I and II)	µg/Kg	**27**	**10**	**52**	**0.76**	**0.67**	**8.2**	**23**	**42**	**0.56**	**0.55**	**0.61**
PEST	ENDOSULFAN SULFATE	µg/Kg	41 U	16 U	78 U	1.1 U	1 U	**31** J	1.7 U	**32** J	0.84 UJ	0.82 U	0.91 U
PEST	ENDRIN	µg/Kg	42 U	16 U	79 U	1.2 U	1 U	4.2 U	1.7 U	4.2 U	0.85 U	0.83 U	0.92 U
PEST	ENDRIN ALDEHYDE	µg/Kg	43 U	16 U	81 U	1.2 U	1.1 U	4.3 U	1.8 U	4.3 U	0.87 U	0.85 U	0.95 U
PEST	FAMPHUR	µg/Kg	96 UJ	30 UJ	31 UJ	44 UJ	39 UJ	32 UJ	33 UJ	32 UJ	33 UJ	31 UJ	35 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	33 U	13 U	63 U	0.92 U	0.81 U	3.3 U	1.4 U	3.3 U	0.68 U	0.66 U	0.73 U
PEST	HEPTACHLOR	µg/Kg	34 U	13 U	65 U	0.95 U	0.84 U	3.4 U	1.4 U	3.4 U	0.7 U	0.68 U	0.76 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	48 U	**27** J	90 U	1.3 U	1.2 U	**6.7** J	**5.9** J	**6.1** J	0.97 U	0.95 U	1.1 U
PEST	KEPONE	µg/Kg	5700 U	1800 U	1800 U	2600 U	2300 U	1900 U	1900 U	1900 U	1900 U	1900 U	2100 U
PEST	METHOXYCHLOR	µg/Kg	57 U	22 U	110 UJ	1.6 U	**5.9** J	5.7 U	2.4 U	5.7 U	1.2 U	**5.3** J	1.3 U
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	32 U	10 U	10 U	15 U	13 U	11 U	11 U	11 U	11 U	11 U	12 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	59 U	18 U	19 U	27 U	24 U	20 U	20 U	20 U	20 U	19 U	22 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	58 U	18 U	19 U	27 U	24 U	20 U	20 U	19 U	20 U	19 U	22 U
PEST	PARATHION, METHYL	µg/Kg	39 U	12 U	12 U	18 U	16 U	13 U	13 U	13 U	13 U	13 U	14 U
PEST	PHORATE	µg/Kg	30 U	9.4 UJ	9.5 U	14 UJ	12 UJ	10 U	10 U	10 U	10 U	9.8 UJ	11 U
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	2300 U	710 U	720 U	1000 U	930 U	770 U	770 U	760 U	770 U	740 U	840 U
PEST	TOXAPHENE	µg/Kg	540 U	200 U	1000 U	15 U	13 U	54 U	22 U	54 U	11 U	11 U	12 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	27 U	8.6 U	8.7 U	13 U	11 U	9.2 U	9.3 U	9.1 U	9.3 U	8.9 U	10 U
SVOC	1,3-DINITROBENZENE	µg/Kg	25 U	8 U	8.1 U	12 U	10 U	8.6 U	8.6 U	8.5 U	8.6 U	8.3 U	9.4 U
SVOC	1,4-DIOXANE	µg/Kg	1100 U	360 UJ	360 U	520 UJ	460 UJ	380 U	390 U	380 U	380 U	370 UJ	420 U
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	39 U	12 UJ	12 U	18 UJ	16 UJ	13 U	13 U	13 U	13 U	13 UJ	14 U
SVOC	1-NAPHTHYLAMINE	µg/Kg	1100 U	360 U	360 U	520 U	460 U	380 U	390 U	380 U	380 U	370 U	420 U
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	110 U	35 U	36 U	51 U	46 U	38 U	38 U	37 U	38 U	37 U	41 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	47 U	15 U	15 U	21 U	**30** J	16 U	16 U	16 U	16 U	15 U	17 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	26 U	8.1 U	8.2 U	12 U	11 U	8.7 U	8.7 U	8.6 U	8.7 U	8.4 U	9.5 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	20 UJ	6.2 U	6.3 UJ	9 U	8 U	6.6 U	6.7 U	6.6 U	6.7 UJ	6.4 U	7.3 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	86 UJ	27 U	27 UJ	39 U	35 U	29 U	29 U	29 U	29 UJ	28 U	32 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	190 U	59 U	60 U	85 U	76 U	63 U	64 U	63 U	63 U	61 U	69 U
SVOC	2,4-DINITROPHENOL	µg/Kg	66 U	21 UJ	21 U	30 UJ	27 UJ	22 U	22 U	22 U	22 U	21 UJ	24 U
SVOC	2,4-DINITROTOLUENE	µg/Kg	93 U	29 U	30 U	42 U	38 U	31 U	31 U	31 U	31 U	30 U	34 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	46 U	14 U	15 U	21 U	19 U	15 U	16 U	15 U	16 U	15 U	17 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	20 U	6.1 U	6.3 U	8.9 U	8 U	6.6 U	6.7 U	6.5 U	6.6 U	6.4 U	7.2 U
SVOC	2-Acetylaminofluorene	µg/Kg	45 U	14 U	14 U	20 U	18 U	15 U	15 U	15 U	15 U	15 U	16 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	83 U	26 U	27 U	38 U	34 U	28 U	28 U	28 U	28 U	27 U	31 U
SVOC	2-CHLOROPHENOL	µg/Kg	86 U	27 U	27 U	39 U	35 U	29 U	29 U	29 U	29 U	28 U	32 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	25 U	7.7 U	**8.3** J	11 U	**14** J	8.3 U	8.3 U	8.2 U	8.3 U	**8.6** J	9.1 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	58 U	18 U	18 U	26 U	24 U	20 U	20 U	19 U	20 U	19 U	21 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	1100 U	360 U	360 U	520 U	460 U	380 U	390 U	380 U	380 U	370 U	420 U
SVOC	2-NITROANILINE	µg/Kg	26 U	8.1 U	8.3 U	12 U	11 U	8.8 U	8.8 U	8.7 U	8.8 U	8.5 U	9.6 U
SVOC	2-NITROPHENOL	µg/Kg	33 U	10 U	11 U	15 U	14 U	11 U	11 U	11 U	11 U	11 U	12 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	33 U	10 U	11 U	15 U	14 U	11 U	11 U	11 U	11 U	11 U	12 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	190 U	60 U	61 U	88 U	79 U	65 U	66 U	64 U	65 U	63 U	71 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	1100 U	360 U	360 U	520 U	460 U	380 U	390 U	380 U	380 U	370 U	420 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	60 U	19 U	19 U	27 U	25 U	20 U	21 U	20 U	20 U	20 U	22 U

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U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

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			706-1-C	706-2	706-2-C	7500-1	7500-2	7530-1	7530-1-D	7530-2	7734-1	7734-2	8046-1
			MidBlind_706-1-C	MidBlind_706-2	MidBlind_706-2-C	MidBlind_7500-1	MidBlind_7500-2	MidBlind_7530-1	MidBlind_7530-1-D	MidBlind_7530-2	MidBlind_7734-1	MidBlind_7734-2	MidBlind_8046-1
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006
		Samp	0-1	1-6	1-6	0-1	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	SOIL	Soil
Group	**Analyte**	**Units**											
SVOC	3-NITROANILINE	µg/Kg	23 U	7.1 U	7.2 U	10 U	9.3 U	7.7 U	7.7 U	7.6 U	7.7 U	7.4 U	8.4 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	43 U	14 U	14 U	20 U	18 U	15 U	15 U	14 U	15 U	14 U	16 U
SVOC	4-AMINOBIPHENYL	µg/Kg	33 U	10 U	10 U	15 U	13 U	11 U	11 U	11 U	11 U	11 U	12 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	42 U	13 U	14 U	19 U	17 U	14 U	14 U	14 U	14 U	14 U	16 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	34 U	11 U	11 U	16 U	14 U	12 U	12 U	11 U	12 U	11 U	13 U
SVOC	4-CHLOROANILINE	µg/Kg	140 U	44 U	45 U	64 U	57 U	47 U	48 U	47 U	48 U	46 U	52 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	16 U	5 U	5.1 U	7.3 U	6.5 U	5.4 U	5.4 U	5.3 U	5.4 U	5.2 U	5.9 U
SVOC	4-NITROANILINE	µg/Kg	130 U	42 U	42 U	61 U	54 U	45 U	45 U	44 U	45 U	43 U	49 U
SVOC	4-NITROPHENOL	µg/Kg	29 U	8.9 U	9.1 U	13 U	12 U	9.6 U	9.7 U	9.5 U	9.6 U	9.3 U	11 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	28 UJ	8.7 U	8.8 UJ	13 U	11 U	9.3 U	9.4 U	9.2 U	9.4 UJ	9 U	10 U
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	36 U	11 U	12 U	17 U	15 U	12 U	12 U	12 U	12 U	12 U	13 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	45 U	14 U	14 U	20 U	18 U	15 U	15 U	15 U	15 U	15 U	16 U
SVOC	ACENAPHTHENE	µg/Kg	**230** J	**14** J	**49** J	11 U	10 U	8.3 UJ	8.3 UJ	8.2 UJ	8.3 U	8 U	9.1 UJ
SVOC	ACENAPHTHYLENE	µg/Kg	**31** J	7.8 U	7.9 U	11 U	10 U	8.4 U	8.4 U	8.3 U	8.4 U	8.1 U	9.2 U
SVOC	ACETOPHENONE	µg/Kg	28 U	8.8 U	9 U	13 U	12 U	9.5 U	9.6 U	9.4 U	9.5 U	9.2 U	10 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	1100 U	360 U	360 U	520 U	460 U	380 U	390 U	380 U	380 U	370 U	420 U
SVOC	ANILINE	µg/Kg	150 U	46 U	47 U	67 U	60 U	50 U	50 U	49 U	50 U	48 U	54 U
SVOC	ANTHRACENE	µg/Kg	**810** J	5.3 U	**220** J	7.8 U	7 U	5.8 U	5.8 U	5.7 U	**20** J	**9.2** J	6.3 U
SVOC	ARAMITE (TOTAL)	µg/Kg	240 U	74 U	75 U	110 U	96 U	79 U	80 U	78 U	80 U	77 U	87 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	**5400**	6.3 U	**1500**	9.2 U	8.2 U	6.8 U	6.8 U	6.7 U	6.8 U	6.6 U	7.4 U
SVOC	BENZO(A)PYRENE	µg/Kg	**5900** J	**450** J	**1500** J	**42** J	**63** J	9.1 UJ	9.2 UJ	9 UJ	**160** J	**77** J	**13** J
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	**7100**	**620**	**1800**	**81** J	**94** J	7.3 U	7.4 U	7.2 U	**200** J	**110** J	**55** J
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	**3700** J	**510** J	**1300**	**68** J	**100** J	31 U	31 U	31 U	**180** J	**93** J	34 U
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	**2300** J	**210** J	**570**	**20** J	**26** J	10 UJ	10 U	10 UJ	**77** J	**35** J	**53** J
SVOC	BENZYL ALCOHOL	µg/Kg	25 U	7.8 U	7.9 U	11 U	10 U	8.4 U	8.5 U	8.3 U	8.4 U	8.1 U	9.2 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	**630** J	**14** J	**42** J	12 UJ	11 U	8.8 U	8.9 U	8.7 U	8.9 U	8.5 U	9.7 U
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	18 U	5.5 U	5.6 U	8 U	7.2 U	6 U	6 U	5.9 U	6 U	5.8 U	6.5 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	120 U	39 U	39 U	56 U	50 U	42 U	42 U	41 U	42 U	40 U	46 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	**140** J	**47** J	**110** J	**84** J	**90** J	18 U	18 U	18 U	**1800**	**3100**	20 U
SVOC	CHLOROBENZILATE	µg/Kg	65 U	20 U	21 U	29 U	26 U	22 U	22 U	22 U	22 U	21 U	24 U
SVOC	CHRYSENE	µg/Kg	**6400**	**470**	**1600**	17 U	15 U	12 U	12 U	12 U	**130** J	**36** J	**35** J
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	23 U	7.2 U	7.3 U	10 U	9.3 U	7.7 U	7.8 U	7.6 U	**11** J	**8.3** J	8.4 U
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	24 UJ	7.5 UJ	7.6 UJ	11 UJ	9.7 U	8 U	8.1 U	7.9 U	8.1 UJ	7.8 U	8.8 UJ
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	95 U	30 U	30 U	43 U	39 U	32 U	32 U	32 U	32 U	31 U	35 U
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	**1200** J	**120** J	**570**	48 U	43 U	36 U	36 U	35 U	36 U	35 U	39 U
SVOC	DIBENZOFURAN	µg/Kg	**130** J	4.6 U	**26** J	6.7 U	6 U	4.9 U	5 U	4.9 U	4.9 U	4.8 U	5.4 U
SVOC	DIETHYL PHTHALATE	µg/Kg	19 U	5.8 U	5.9 U	8.5 U	7.6 U	6.3 U	6.3 U	6.2 U	6.3 U	6.1 U	6.9 U
SVOC	DIMETHYL PHTHALATE	µg/Kg	68 U	21 U	22 U	31 U	28 U	23 U	23 U	23 U	23 U	22 U	25 U
SVOC	DIPHENYLAMINE	µg/Kg	93 U	29 U	30 U	42 U	38 U	31 U	31 U	31 U	31 U	30 U	34 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	41 UJ	13 U	13 UJ	19 U	17 U	14 U	14 U	14 U	14 UJ	13 U	15 U
SVOC	FLUORANTHENE	µg/Kg	**16000**	**1100**	**4400**	**53** J	**80** J	10 U	10 U	10 U	**250** J	**93** J	11 UJ
SVOC	FLUORENE	µg/Kg	**380** J	**16** J	**75** J	8.7 U	7.8 U	6.5 U	6.5 U	6.4 U	6.5 U	6.2 U	7.1 U
SVOC	HEXACHLOROBENZENE	µg/Kg	33 U	10 U	11 U	15 U	14 U	11 U	11 U	11 U	11 U	11 U	12 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	110 U	35 U	35 U	51 U	45 U	37 U	38 U	37 U	38 U	36 U	41 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	84 U	26 U	27 U	38 U	34 U	28 U	29 U	28 U	28 U	27 U	31 U
SVOC	HEXACHLOROETHANE	µg/Kg	150 U	47 U	48 U	69 U	62 U	51 U	51 U	51 U	51 U	49 U	56 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			706-1-C	706-2	706-2-C	7500-1	7500-2	7530-1	7530-1-D	7530-2	7734-1	7734-2	8046-1
			MidBlind_706-1-C	MidBlind_706-2	MidBlind_706-2-C	MidBlind_7500-1	MidBlind_7500-2	MidBlind_7530-1	MidBlind_7530-1-D	MidBlind_7530-2	MidBlind_7734-1	MidBlind_7734-2	MidBlind_8046-1
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006
		Samp	0-1	1-6	1-6	0-1	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	SOIL	Soil
Group	**Analyte**	**Units**											
SVOC	HEXACHLOROPHENE	µg/Kg	2300 UJ	710 UJ	720 UJ	1000 UJ	930 UJ	770 UJ	770 UJ	760 UJ	770 UJ	740 UJ	840 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	150 U	47 U	48 U	69 U	62 U	51 U	51 U	50 U	51 U	49 U	56 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	**4800**	**610** J	**2300**	36 UJ	**52** J	27 U	27 U	26 U	**250** J	**47** J	29 U
SVOC	ISODRIN	µg/Kg	63 U	20 U	20 U	29 U	26 U	21 U	22 U	21 U	21 U	21 U	23 U
SVOC	ISOPHORONE	µg/Kg	16 U	5 U	5 U	7.2 U	6.5 U	5.3 U	5.4 U	5.3 U	5.4 U	5.2 U	5.8 U
SVOC	ISOSAFROLE	µg/Kg	55 U	17 U	18 U	25 U	23 U	19 U	19 U	18 U	19 U	18 U	20 U
SVOC	METHAPYRILENE	µg/Kg	130 U	41 U	42 U	60 U	54 U	45 U	45 U	44 U	45 U	43 U	49 U
SVOC	METHYL METHANESULFONATE	µg/Kg	65 U	20 U	21 U	30 U	26 U	22 U	22 U	22 U	22 U	21 U	24 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	33 U	10 U	11 U	15 U	14 U	11 U	11 U	11 U	11 U	11 U	12 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	26 U	8.1 U	8.2 U	12 U	11 U	8.7 U	8.7 U	8.6 U	8.7 U	8.4 U	9.5 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	60 UJ	19 U	19 UJ	27 U	24 U	20 U	20 U	20 U	20 UJ	20 U	22 U
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	140 U	43 U	44 U	62 U	56 U	46 UJ	46 UJ	46 UJ	46 U	45 U	50 UJ
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	38 U	12 U	12 U	17 U	15 U	13 U	13 U	13 U	13 U	12 U	14 U
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	51 U	16 U	16 U	23 U	21 U	17 U	17 U	17 U	17 U	17 U	19 U
SVOC	N-NITROSOMORPHOLINE	µg/Kg	61 U	19 U	19 U	28 U	25 U	20 U	21 U	20 U	21 U	20 U	22 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	37 U	12 U	12 U	17 U	15 U	12 U	13 U	12 U	13 U	12 U	14 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	1100 U	360 U	360 U	520 U	460 U	380 U	390 U	380 U	380 U	370 U	420 U
SVOC	NAPHTHALENE	µg/Kg	91 U	28 U	29 U	41 U	**49** J	31 U	31 U	30 U	31 U	30 U	34 U
SVOC	NITROBENZENE	µg/Kg	120 U	37 U	37 U	53 U	48 U	40 U	40 U	39 U	40 U	38 U	43 U
SVOC	O-TOLUIDINE	µg/Kg	1100 U	360 U	360 U	520 U	460 U	380 U	390 U	380 U	380 U	370 U	420 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	41 U	13 U	13 U	19 U	17 U	14 U	14 U	14 U	14 U	14 U	15 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	93 UJ	29 UJ	30 UJ	42 UJ	38 UJ	31 U	31 U	31 U	31 UJ	30 UJ	34 U
SVOC	PENTACHLOROBENZENE	µg/Kg	91 U	28 U	29 U	41 U	37 U	31 U	31 U	30 U	31 U	30 U	34 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	63 U	20 U	20 U	29 U	26 U	21 U	21 U	21 U	21 U	21 U	23 U
SVOC	PENTACHLOROPHENOL	µg/Kg	**120** J	32 U	**55** J	46 U	41 UJ	34 UJ	34 UJ	34 U	34 UJ	33 UJ	37 UJ
SVOC	PHENACETIN	µg/Kg	40 U	13 U	13 U	18 U	16 U	14 U	14 U	13 U	14 U	13 U	15 U
SVOC	PHENANTHRENE	µg/Kg	**9700**	**550**	**2200**	**37** J	**50** J	6 U	6 U	5.9 U	**100** J	**53** J	**11** J
SVOC	PHENOL	µg/Kg	24 U	7.4 U	7.5 U	11 U	9.6 U	7.9 UJ	8 UJ	7.9 UJ	8 U	7.7 U	8.7 UJ
SVOC	PRONAMIDE	µg/Kg	36 U	11 U	11 U	16 U	15 U	12 U	12 U	12 U	12 U	12 U	13 U
SVOC	PYRENE	µg/Kg	**13000** J	**1200** J	**2800**	**80** J	**97** J	18 U	18 U	18 U	**200** J	**140** J	20 U
SVOC	PYRIDINE	µg/Kg	170 U	53 U	54 U	77 U	69 U	57 UJ	58 UJ	57 UJ	57 U	55 U	63 UJ
SVOC	SAFROLE	µg/Kg	48 U	15 U	15 U	22 U	20 U	16 U	16 U	16 U	16 U	16 U	18 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	1100 U	360 U	360 U	520 U	460 U	380 U	390 U	380 U	380 U	370 U	420 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	8.7 U	9.8 U	11 U	15 U	12 U	8.8 U	8.2 U	13 U	15 U	8.1 U	9.3 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	6.1 U	6.8 U	7.6 U	10 U	8 U	6.2 U	5.7 U	9 U	11 U	5.6 U	6.5 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	8.9 U	10 U	11 U	15 U	12 U	9 U	8.4 U	13 U	15 U	8.3 U	9.5 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	5.7 U	6.3 U	7 U	9.4 U	7.5 U	5.7 U	5.3 U	8.4 U	9.7 U	5.2 U	6 U
VOC	1,1-DICHLOROETHANE	µg/Kg	7.9 U	8.8 U	9.8 U	13 U	10 U	8 U	7.4 U	12 U	14 U	7.3 U	8.4 U
VOC	1,1-DICHLOROETHENE	µg/Kg	18 U	20 U	22 U	30 U	24 U	18 U	17 U	26 U	31 U	17 U	19 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	12 U	14 U	15 U	20 U	16 U	12 U	11 U	18 U	21 U	11 U	13 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	7.5 U	8.3 U	9.2 U	12 U	9.8 U	7.5 U	7 U	11 U	13 U	6.9 U	7.9 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	170 U	53 U	54 U	78 U	70 U	58 U	58 U	57 U	58 U	56 U	63 U
VOC	1,2-DICHLOROETHANE	µg/Kg	5.7 U	6.3 U	7 U	9.4 U	7.5 U	5.7 U	5.3 U	8.4 U	9.7 U	5.2 U	6 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	5.6 U	6.2 U	6.9 U	9.2 U	7.3 U	5.6 U	5.2 U	8.2 U	9.5 U	5.1 U	5.9 UJ
VOC	1,3-DICHLOROBENZENE	µg/Kg	180 U	56 U	57 U	81 U	73 U	60 U	60 U	59 U	60 U	58 U	66 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	160 U	51 U	51 U	74 U	66 U	55 UJ	55 UJ	54 UJ	55 U	53 U	60 UJ
VOC	2-HEXANONE	µg/Kg	41 U	46 U	51 U	68 U	54 U	41 U	39 U	61 U	70 U	38 U	44 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			706-1-C	706-2	706-2-C	7500-1	7500-2	7530-1	7530-1-D	7530-2	7734-1	7734-2	8046-1
			MidBlind_706-1-C	MidBlind_706-2	MidBlind_706-2-C	MidBlind_7500-1	MidBlind_7500-2	MidBlind_7530-1	MidBlind_7530-1-D	MidBlind_7530-2	MidBlind_7734-1	MidBlind_7734-2	MidBlind_8046-1
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	10/30/2006
		Samp	0-1	1-6	1-6	0-1	1-6	0-1	0-1	1-6	0-1	1-6	0-1
		:	Soil	Soil	Soil	Soil	Soil	SOIL	Soil	Soil	Soil	SOIL	Soil
Group	**Analyte**	**Units**											
VOC	ACETONE	µg/Kg	19 UJ	21 UJ	23 UJ	31 UJ	24 UJ	19 U	18 U	28 U	32 UJ	17 U	20 UJ
VOC	ACETONITRILE	µg/Kg	230 UJ	250 UJ	280 UJ	370 UJ	300 UJ	230 UJ	210 UJ	330 UJ	390 UJ	210 UJ	240 UJ
VOC	ACROLEIN	µg/Kg	120 UJ	130 UJ	140 UJ	190 UJ	150 U	120 UJ	110 UJ	170 UJ	200 UJ	110 U	120 UJ
VOC	ACRYLONITRILE	µg/Kg	35 U	40 U	44 U	59 U	47 U	36 U	33 U	52 U	61 U	33 U	38 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	50 U	56 U	61 U	83 U	65 U	50 U	47 U	74 U	85 U	46 U	53 U
VOC	BENZENE	µg/Kg	5.2 U	5.8 U	6.4 U	8.6 U	6.8 U	5.2 U	4.9 U	7.6 U	8.9 U	4.8 U	5.5 U
VOC	BROMODICHLOROMETHANE	µg/Kg	6.7 U	7.5 U	8.3 U	11 U	8.8 U	6.8 U	6.3 U	9.9 U	12 U	6.2 U	7.2 U
VOC	BROMOFORM	µg/Kg	8.4 U	9.4 U	10 U	14 U	11 U	8.5 U	7.9 U	12 U	14 U	7.8 U	9 U
VOC	BROMOMETHANE	µg/Kg	75 U	84 U	92 U	120 U	98 U	75 U	70 U	110 U	130 U	69 U	80 U
VOC	CARBON DISULFIDE	µg/Kg	5.4 U	6.1 U	6.7 U	9 U	7.1 U	5.5 U	5.1 U	8 U	9.3 U	5 U	5.8 U
VOC	CARBON TETRACHLORIDE	µg/Kg	6 U	6.7 U	7.4 U	9.9 U	7.8 U	6 U	5.6 U	8.8 U	10 U	5.5 U	6.4 U
VOC	CHLOROBENZENE	µg/Kg	8.2 U	9.2 U	10 U	14 U	11 U	8.3 U	7.7 U	12 U	14 U	7.6 U	8.7 U
VOC	CHLOROETHANE	µg/Kg	30 UJ	34 UJ	37 UJ	50 UJ	40 UJ	30 U	28 U	45 U	52 UJ	28 UJ	32 U
VOC	CHLOROFORM	µg/Kg	7 U	7.8 U	8.7 U	12 U	9.2 U	7.1 U	6.6 U	10 U	12 U	6.5 U	7.5 U
VOC	CHLOROMETHANE	µg/Kg	23 U	26 U	29 U	38 U	30 U	23 U	22 U	34 U	40 U	21 U	25 UJ
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	50 U	56 U	61 U	83 U	65 U	50 U	47 U	74 U	85 U	46 U	53 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	5.7 U	6.4 U	7.1 U	9.5 U	7.5 U	5.8 U	5.4 U	8.5 U	9.8 U	5.3 U	6.1 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	4.5 U	5 U	5.5 U	7.4 U	5.9 U	4.5 U	4.2 U	6.6 U	7.7 U	4.1 U	4.8 U
VOC	DIBROMOMETHANE	µg/Kg	7.8 U	8.7 U	9.6 U	13 U	10 U	7.8 U	7.3 U	12 U	13 U	7.2 U	8.3 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	18 U	20 U	22 U	30 U	24 UJ	18 U	17 U	27 U	31 U	17 U	19 U
VOC	ETHYL BENZENE	µg/Kg	10 U	12 U	13 U	17 U	14 U	10 UJ	9.7 UJ	15 UJ	18 U	9.5 U	11 UJ
VOC	ETHYL METHACRYLATE	µg/Kg	50 U	56 U	61 U	83 U	65 U	50 U	47 U	74 U	85 U	46 U	53 U
VOC	ISOBUTANOL	µg/Kg	50 UJ	56 UJ	61 UJ	83 UJ	65 UJ	50 UJ	47 UJ	74 UJ	85 UJ	46 UJ	53 UJ
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	16 U	17 U	19 U	26 U	20 U	16 U	15 U	23 U	27 U	14 U	17 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	45 U	50 U	56 U	75 U	59 U	45 UJ	42 UJ	67 UJ	77 U	42 U	48 UJ
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	8.6 U	9.6 U	11 U	14 U	11 U	8.7 U	8.1 U	13 U	15 U	7.9 U	9.2 U
VOC	METHYL METHACRYLATE	µg/Kg	50 U	56 U	61 U	83 U	65 U	50 U	47 U	74 U	85 U	46 U	53 U
VOC	METHYLACRYLONITRILE	µg/Kg	250 U	280 U	310 U	410 U	330 UJ	250 U	230 U	370 U	430 U	230 U	270 U
VOC	METHYLENE CHLORIDE	µg/Kg	24 U	27 U	29 U	40 U	31 U	24 U	22 U	**87** J	41 U	22 U	25 U
VOC	PENTOCHLORETHANE	µg/Kg	39 U	12 U	12 U	18 U	16 U	13 U	13 U	13 U	13 U	13 U	14 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	50 UJ	56 UJ	61 UJ	83 UJ	65 UJ	50 UJ	47 UJ	74 UJ	85 UJ	46 UJ	53 UJ
VOC	STYRENE	µg/Kg	7.6 U	8.4 U	9.3 U	13 U	9.9 U	7.6 U	7.1 U	11 U	13 U	7 U	8.1 U
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	9.5 U	11 U	12 U	16 U	13 U	9.6 U	9 U	14 U	16 U	8.8 U	10 U
VOC	TOLUENE	µg/Kg	**830**	**2700**	**4400**	45 U	**53** J	**160** J	26 UJ	**2100** J	**1700**	**6900**	29 UJ
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	8.2 U	9.1 U	10 U	14 U	11 U	8.2 U	7.7 U	12 U	14 U	7.5 U	8.7 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	7 U	7.8 U	8.7 U	12 U	9.2 U	7.1 U	6.6 U	10 U	12 U	6.5 U	7.5 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	36 U	40 U	44 U	60 U	47 U	36 U	34 U	53 U	61 U	33 U	38 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	8.8 U	9.8 U	11 U	15 U	12 U	8.9 U	8.3 U	13 U	15 U	8.1 U	9.4 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	13 U	14 U	16 U	21 U	17 U	13 U	12 U	19 U	22 U	12 U	13 U
VOC	VINYL ACETATE	µg/Kg	49 U	54 U	60 U	81 U	64 U	49 U	46 U	72 U	83 U	45 U	52 U
VOC	VINYL CHLORIDE	µg/Kg	17 U	20 U	22 U	29 U	23 U	18 U	16 U	26 U	30 U	16 U	19 U
VOC	XYLENES, TOTAL	µg/Kg	28 U	32 U	35 U	47 U	37 U	29 U	27 U	42 U	**55** J	26 U	30 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
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Midland Area Soils

			8046-2	8196-1	8196-2	8282-1	8282-2	8314-1	8314-2	876-1	876-2	9386-1	9386-2
			MidBlind_8046-2	MidBlind_8196-1	MidBlind_8196-2	MidBlind_8282-1	MidBlind_8282-2	MidBlind_8314-1	MidBlind_8314-2	MidBlind_876-1	MidBlind_876-2	MidBlind_9386-1	MidBlind_9386-2
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	SOIL	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
GEN	CYANIDE, TOTAL	µg/Kg	**45** J	0.034 U	**89** J	**850**	**98** J	**70** J	**340**	**150** J	**330** J	**540** J	**600**
GEN	SULFIDE	mg/kg	100 UJ	90 UJ	89 UJ	110 U	98 U	94 U	93 U	93 U	89 U	91 U	89 U
GEN	TOTAL ORGANIC CARBON	mg/kg	**22000**	**20000**	73 U	**22000**	**9300**	**12000**	**15000**	**16000**	**8800**	**28000**	**11000**
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	2.5 U	2.2 U	2.2 U	2.6 U	2.4 U	2.3 U	2.3 U	2.3 U	2.2 U	2.3 U	2.2 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	2.1 U	**12** J	**28**	2.2 U	2 U	1.9 U	1.9 U	1.9 U	1.8 U	**13** J	**16** J
HERB	DINOSEB	µg/Kg	67 U	59 U	58 U	69 U	64 U	61 UJ	61 UJ	60 U	57 UJ	59 U	58 U
HERB	SILVEX (2,4,5-TP)	µg/Kg	2.2 U	2 U	1.9 U	2.3 U	2.1 U	2 U	2 U	2 U	1.9 U	2 U	2 U
MET	ANTIMONY	µg/Kg	240 U	220 UJ	210 U	250 U	240 U	230 U	220 U	**4200** J	**3500** J	**2800** J	**2700** J
MET	ARSENIC	µg/Kg	**5700**	**5800**	**200** J	**1900**	**1100** J	**4000**	**4500**	**7500**	**4800**	370 U	360 U
MET	BARIUM	µg/Kg	**34000**	**32000** J	**27000**	**57000**	**63000**	**27000**	**29000**	**14000** J	**18000**	**24000**	**17000**
MET	BERYLLIUM	µg/Kg	**240** J	**220** J	**210** J	**430**	**480**	**170** J	**180** J	35 U	13 U	**180** J	**78** J
MET	CADMIUM	µg/Kg	**160** J	**110** J	**38** J	**330**	15 U	**190** J	**210** J	73 U	**130** J	**120** J	**58** J
MET	CHROMIUM, TOTAL	µg/Kg	**4200**	**11000** J	**6600**	**15000**	**17000**	**5800**	**5200**	**5500** J	**7900**	**47000**	**39000**
MET	COBALT	µg/Kg	**2300**	**3000** J	**2800**	**6800**	**7400**	**2200**	**1700**	**1700** J	**2000**	**2900**	**1900**
MET	COPPER	µg/Kg	**29000**	**16000** J	**11000**	**24000**	**21000**	**13000**	**18000**	**9900** J	**13000**	**43000**	**55000**
MET	LEAD	µg/Kg	**15000**	**16000** J	**9900**	**13000**	**9600**	**40000**	**34000**	**21000** J	**37000**	**15000**	**15000**
MET	MERCURY	µg/Kg	**26**	**36**	**43**	**42**	**22**	**33**	**36**	4.2 U	**37**	**96**	**170**
MET	NICKEL	µg/Kg	**5600**	**9000** J	**7700**	**18000**	**19000**	**6400**	**5600**	**6300**	**7300**	**6900**	**5600**
MET	SELENIUM	µg/Kg	530 U	480 U	460 U	550 U	520 U	490 U	490 U	**5700**	930 U	960 U	940 U
MET	SILVER	µg/Kg	59 U	53 U	52 U	61 U	58 U	55 U	54 U	**1700** J	**270** J	110 U	110 U
MET	THALLIUM	µg/Kg	210 U	190 U	190 U	220 U	210 U	200 U	200 U	990 U	370 U	390 U	380 U
MET	TIN	µg/Kg	570 U	**2200** J	490 U	580 U	550 U	530 U	520 U	2600 U	990 U	1000 U	1000 U
MET	VANADIUM	µg/Kg	**15000**	**12000** J	**10000**	**21000**	**24000**	**10000**	**8400**	**6300** J	**8300**	**7200**	**6500**
MET	ZINC	µg/Kg	64 U	58 UJ	56 U	**71000**	**45000**	**43000**	**37000**	**81000** J	**110000**	**190000**	**180000**
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	6.7 U	6 U	5.9 UJ	7.1 U	6.6 U	6.3 U	6.2 U	6.3 U	30 U	6.1 U	6 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	12 U	10 U	10 UJ	12 U	11 U	11 U	11 U	11 U	51 U	11 U	10 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	13 U	11 U	11 UJ	13 U	12 U	12 U	12 U	12 U	56 U	12 U	11 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	15 U	13 U	13 UJ	15 U	14 U	14 U	14 U	14 U	65 U	13 U	13 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	9.8 U	8.7 U	8.5 UJ	10 U	9.5 U	9.1 U	9.1 U	9.1 U	43 U	8.9 U	8.7 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	8.1 U	7.2 U	7.1 UJ	8.5 U	7.9 U	7.6 U	7.5 U	7.6 U	36 U	7.4 U	7.2 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	6.8 U	6 U	5.9 UJ	7.1 U	6.6 U	6.3 U	6.3 U	6.3 U	30 U	6.2 U	6 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	8.9 U	8 U	7.8 UJ	9.4 U	8.7 U	8.3 U	8.3 U	**370**	**970** J	8.1 U	7.9 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	12 U	11 U	11 UJ	13 U	12 U	11 U	11 U	11 U	54 U	11 U	11 U
PCB	SUMMED PCB	µg/Kg	**46**	**41**	**40**	**48**	**44**	**42**	**42**	**410**	**1200**	**42**	**40**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	53 U	41 U	43 U	56 U	45 U	71 U	47 U	40 U	38 U	45 U	38 U
PEST	4,4'-DDD	µg/Kg	0.73 U	**3.8** J	**6.8** J	0.76 U	0.71 U	0.68 U	**1.7** J	0.68 U	3.2 U	**2.7** J	0.64 U
PEST	4,4'-DDE	µg/Kg	**1.9** J	**4.6** J	0.85 U	1 U	0.95 U	**5.6** J	**6.5** J	**4** J	4.3 U	0.89 U	**7.3** J
PEST	4,4'-DDT	µg/Kg	1.1 U	**1** J	**5.5** J	1.2 U	1.1 U	**9.3** J	**4.4** J	1 U	4.9 U	**21** J	**26** J
PEST	ALDRIN	µg/Kg	0.75 U	0.67 U	0.66 U	0.79 U	0.73 U	0.7 U	0.7 U	0.7 U	3.3 U	0.68 U	0.67 U
PEST	ALPHA BHC	µg/Kg	0.95 U	0.85 U	**0.91** J	**4.8** J	0.93 U	0.88 U	0.88 U	0.88 U	4.2 U	0.87 U	**1** J
PEST	BETA BHC	µg/Kg	1 U	0.91 U	0.9 U	1.1 U	1 U	0.95 U	0.95 U	0.95 U	4.6 U	**30** J	**8.5** J
PEST	CHLORDANE	µg/Kg	1 U	**12** J	**15** J	1.1 U	0.98 U	0.93 U	0.93 U	0.93 U	4.4 U	0.91 U	0.89 U
PEST	DELTA BHC	µg/Kg	0.93 U	0.83 U	0.81 U	**3** J	0.9 U	0.86 U	0.86 U	0.86 U	4.1 U	0.84 U	0.82 U
PEST	DIELDRIN	µg/Kg	0.75 U	0.67 U	0.66 U	**5.5** J	**1.1** J	0.7 U	0.7 U	0.7 U	3.3 U	**2.7** J	**3.8** J
PEST	DIMETHOATE	µg/Kg	65 U	58 U	57 U	67 U	63 U	60 U	60 U	59 U	56 U	58 U	57 U
PEST	DISULFOTON	µg/Kg	11 U	9.7 U	9.5 U	11 U	11 U	10 U	10 U	9.9 U	9.5 U	9.7 U	9.6 U
PEST	ENDOSULFAN I	µg/Kg	0.58 U	0.51 U	0.5 U	0.6 U	0.56 U	0.54 U	0.53 U	0.54 U	2.6 U	**2.1** J	**1.3** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

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Midland Area Soils

			8046-2	8196-1	8196-2	8282-1	8282-2	8314-1	8314-2	876-1	876-2	9386-1	9386-2
			MidBlind_8046-2	MidBlind_8196-1	MidBlind_8196-2	MidBlind_8282-1	MidBlind_8282-2	MidBlind_8314-1	MidBlind_8314-2	MidBlind_876-1	MidBlind_876-2	MidBlind_9386-1	MidBlind_9386-2
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	SOIL	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
PEST	ENDOSULFAN II	µg/Kg	0.63 U	0.56 U	0.55 U	0.66 U	0.61 U	0.58 U	**1.4** J	0.58 U	2.8 U	0.57 U	0.56 U
PEST	SUMMED Endosulfan (I and II)	µg/Kg	**0.6**	**0.54**	**0.52**	**0.63**	**0.59**	**0.56**	**1.6**	**0.56**	**2.7**	**2.3**	**1.6**
PEST	ENDOSULFAN SULFATE	µg/Kg	0.9 U	0.8 U	0.79 U	0.95 U	0.88 U	0.84 U	0.84 U	0.84 U	4 U	0.82 U	0.8 U
PEST	ENDRIN	µg/Kg	0.91 U	22	0.8 U	**12** J	0.89 U	**9.4** J	0.85 U	0.85 U	4.1 U	0.83 U	0.81 U
PEST	ENDRIN ALDEHYDE	µg/Kg	0.94 U	0.84 U	0.82 U	0.98 U	0.91 U	0.87 U	0.87 U	0.87 U	4.2 U	0.86 U	0.83 U
PEST	FAMPHUR	µg/Kg	35 UJ	31 UJ	31 UJ	37 UJ	34 UJ	33 UJ	32 UJ	32 UJ	31 UJ	31 UJ	31 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	0.73 U	0.65 U	0.63 U	0.76 U	0.71 U	0.68 U	0.67 U	0.68 U	3.2 U	0.66 U	0.64 U
PEST	HEPTACHLOR	µg/Kg	0.75 U	0.67 U	0.66 U	0.79 U	0.73 U	0.7 U	0.7 U	0.7 U	3.3 U	0.68 U	0.67 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	1 U	**1.1** J	0.91 U	**1.6** J	**1** J	**3.5** J	0.96 U	0.97 U	4.6 U	0.95 U	0.92 U
PEST	KEPONE	µg/Kg	2100 U	1900 U	1800 U	2200 U	2000 U	1900 U	1900 U	1900 U	1800 U	1900 U	1800 U
PEST	METHOXYCHLOR	µg/Kg	1.3 U	**12** J	1.1 U	1.3 U	1.2 U	1.2 U	1.2 U	1.2 U	5.6 U	**6.8** J	**9.1** J
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	12 U	11 U	10 U	12 U	11 U	11 U	11 U	11 U	10 U	11 U	10 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	22 U	19 U	19 U	22 U	21 U	20 U	20 U	20 U	19 U	19 U	19 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	22 U	19 U	19 U	22 U	21 U	20 U	20 U	19 U	19 U	19 U	19 U
PEST	PARATHION, METHYL	µg/Kg	14 U	13 U	12 U	15 U	14 U	13 U	13 U	13 U	12 U	13 U	12 U
PEST	PHORATE	µg/Kg	11 U	9.8 U	9.6 U	11 U	11 U	10 UJ	10 UJ	10 UJ	9.5 UJ	9.8 U	9.6 U
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	840 U	740 U	730 U	860 U	810 U	770 U	770 U	760 U	720 U	740 U	730 U
PEST	TOXAPHENE	µg/Kg	12 U	10 U	10 U	12 U	11 U	11 U	11 U	11 U	52 U	11 U	10 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	10 U	9 U	8.8 U	10 U	9.7 U	9.3 U	9.2 U	9.1 U	8.7 U	8.9 U	8.8 U
SVOC	1,3-DINITROBENZENE	µg/Kg	9.4 U	8.3 U	8.1 U	9.7 U	9 U	8.6 U	8.6 U	8.5 U	8.1 U	8.3 U	8.2 U
SVOC	1,4-DIOXANE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 UJ	380 UJ	380 UJ	360 UJ	370 U	370 U
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	14 U	13 U	12 U	15 U	14 U	13 UJ	13 UJ	13 U	12 UJ	13 U	12 U
SVOC	1-NAPHTHYLAMINE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 U	380 U	380 U	360 U	370 U	370 UJ
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	41 U	37 U	36 U	43 U	40 U	38 U	38 U	37 U	36 U	37 U	36 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	17 U	**450**	**440**	18 U	17 U	16 U	16 U	**23** J	**42** J	15 U	15 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	9.5 U	8.4 U	8.2 U	9.8 U	9.2 U	8.8 U	8.7 U	8.6 U	8.2 U	8.4 U	8.3 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	7.3 U	**25** J	**29** J	7.5 U	7 U	6.7 U	6.6 U	6.6 U	6.3 U	6.4 U	6.3 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	32 U	28 U	27 U	32 U	30 U	29 U	29 U	29 U	27 U	28 U	28 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	69 U	61 U	60 U	71 U	67 U	64 U	63 U	63 U	60 U	61 U	60 U
SVOC	2,4-DINITROPHENOL	µg/Kg	24 U	21 U	21 U	25 U	23 U	22 UJ	22 UJ	22 U	21 UJ	21 U	21 U
SVOC	2,4-DINITROTOLUENE	µg/Kg	34 U	30 U	30 U	35 U	33 U	32 U	31 U	31 U	30 U	30 U	30 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	17 U	15 U	15 U	17 U	16 U	16 U	15 U	15 U	15 U	15 U	15 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	7.2 U	6.4 U	6.3 U	7.5 U	7 U	6.7 U	6.6 U	6.5 U	6.3 U	6.4 U	6.3 U
SVOC	2-Acetylaminofluorene	µg/Kg	16 U	15 U	14 U	17 U	16 U	15 U	15 U	15 U	14 U	15 U	14 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	31 U	27 U	27 U	32 U	30 U	28 U	28 U	28 U	27 U	27 U	27 U
SVOC	2-CHLOROPHENOL	µg/Kg	32 U	28 U	27 U	32 U	30 U	29 U	29 U	29 U	27 U	28 U	28 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	9.1 U	**11** J	7.8 U	9.3 U	8.7 U	8.3 U	8.3 U	8.2 U	7.8 U	8 U	7.9 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	21 U	19 U	19 U	22 U	21 U	20 U	20 U	19 U	18 U	19 U	19 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 U	380 U	380 U	360 U	370 U	370 U
SVOC	2-NITROANILINE	µg/Kg	9.6 U	8.5 U	8.3 U	9.9 U	9.2 U	8.8 U	8.8 U	8.7 U	8.3 U	8.5 U	8.4 U
SVOC	2-NITROPHENOL	µg/Kg	12 U	11 U	11 U	13 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	12 U	11 U	11 U	13 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	71 U	63 U	62 U	73 U	69 U	66 U	65 U	64 U	61 U	63 U	62 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 U	380 U	380 U	360 U	370 U	370 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	22 U	20 U	19 U	23 U	21 U	21 U	20 U	20 U	19 U	20 U	19 U

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			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	SOIL	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	3-NITROANILINE	µg/Kg	8.4 U	7.4 U	7.3 U	8.6 U	8.1 U	7.7 U	7.6 U	7.6 U	7.2 U	7.4 U	7.3 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	16 U	14 U	14 U	16 U	15 U	15 U	15 U	14 U	14 U	14 U	14 U
SVOC	4-AMINOBIPHENYL	µg/Kg	12 U	11 U	10 U	12 U	12 U	11 U	11 U	11 U	10 U	11 U	11 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	16 U	14 U	14 U	16 U	15 U	14 U	14 U	14 U	14 U	14 U	14 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	13 U	11 U	11 U	13 U	12 U	12 U	12 U	11 U	11 U	11 U	11 U
SVOC	4-CHLOROANILINE	µg/Kg	52 U	46 U	45 U	53 U	50 U	48 U	47 U	47 U	45 U	46 U	45 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	5.9 U	5.2 U	5.1 U	6.1 U	5.7 U	5.5 U	5.4 U	5.3 U	5.1 U	5.2 U	5.2 U
SVOC	4-NITROANILINE	µg/Kg	49 U	44 U	43 U	51 U	47 U	45 U	45 U	44 U	42 U	43 U	43 U
SVOC	4-NITROPHENOL	µg/Kg	11 U	9.3 U	9.1 U	11 U	10 U	9.7 U	9.6 U	9.5 U	9.1 U	9.3 U	9.2 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	10 U	9 U	8.9 U	11 U	9.8 U	9.4 U	9.3 U	9.2 UJ	8.8 U	9 U	8.9 U
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	13 U	12 U	12 U	14 U	13 U	12 U	12 U	12 U	12 U	12 U	12 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	16 U	15 U	14 U	17 U	16 U	15 U	15 U	15 U	14 U	15 U	14 U
SVOC	ACENAPHTHENE	µg/Kg	9.1 UJ	8 UJ	7.8 UJ	9.3 UJ	8.7 UJ	8.3 U	8.3 U	8.2 U	7.8 U	8 UJ	7.9 UJ
SVOC	ACENAPHTHYLENE	µg/Kg	9.2 U	8.1 U	**64** J	9.4 U	8.8 U	8.4 U	8.4 U	8.3 U	7.9 U	8.1 U	8 U
SVOC	ACETOPHENONE	µg/Kg	10 U	9.2 U	9 U	11 U	10 U	9.6 U	9.5 U	9.4 U	9 U	9.2 U	9.1 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 U	380 U	380 UJ	360 U	370 U	370 U
SVOC	ANILINE	µg/Kg	54 U	48 U	47 U	56 U	52 U	50 U	50 U	49 U	47 U	48 U	47 U
SVOC	ANTHRACENE	µg/Kg	6.3 U	**71** J	**29** J	6.5 U	6.1 U	**74** J	**11** J	**17** J	**26** J	**11** J	**13** J
SVOC	ARAMITE (TOTAL)	µg/Kg	87 U	77 U	75 U	89 U	84 U	80 U	79 U	78 U	75 U	77 U	76 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	7.4 U	**190** J	6.4 U	7.6 U	7.1 U	**400**	6.8 U	6.7 U	6.4 U	6.6 U	6.5 U
SVOC	BENZO(A)PYRENE	µg/Kg	10 UJ	**160** J	**51** J	10 UJ	9.6 UJ	**480**	9.1 U	**160** J	**160** J	8.8 UJ	8.7 UJ
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	**49** J	**220** J	**87** J	**47** J	**44** J	**560**	**92** J	**190** J	**180** J	**64** J	7 U
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	**160** J	**200** J	**160** J	**170** J	**160** J	**620** J	**150** J	**200** J	**160** J	**160** J	**150** J
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	**52** J	**86** J	**62** J	12 U	11 U	**200** J	**91** J	**68** J	**66** J	10 U	**56** J
SVOC	BENZYL ALCOHOL	µg/Kg	9.2 U	8.2 U	8 U	9.5 U	8.9 U	8.5 U	8.4 U	8.3 U	7.9 U	8.1 U	8 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	9.7 U	8.6 U	8.4 U	9.9 U	9.3 U	8.9 U	8.8 U	8.7 U	8.3 U	8.6 U	8.4 U
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	6.5 U	5.8 U	5.7 U	6.7 U	6.3 U	6 U	6 U	5.9 U	5.6 U	5.8 U	5.7 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	46 U	40 U	40 U	47 U	44 U	42 U	42 U	41 U	39 U	40 U	40 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	20 U	18 U	17 U	21 U	19 U	18 U	18 U	**33** J	**35** J	18 U	17 U
SVOC	CHLOROBENZILATE	µg/Kg	24 U	21 U	21 U	25 U	23 U	22 U	22 U	22 U	21 U	21 U	21 U
SVOC	CHRYSENE	µg/Kg	**33** J	**190** J	**84** J	**28** J	13 U	**490**	**54** J	**120** J	**130** J	**51** J	12 U
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	8.4 U	7.5 U	7.3 U	8.7 U	8.1 U	7.8 U	7.7 U	7.6 U	7.3 U	7.5 U	**59** J
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	8.8 UJ	7.8 UJ	7.6 UJ	9.1 UJ	8.5 UJ	8.1 U	8 U	7.9 U	7.6 U	7.8 UJ	7.7 UJ
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	35 U	31 U	30 U	36 U	34 U	32 U	32 U	32 U	30 U	31 U	31 U
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	39 U	**43** J	34 U	40 U	38 U	**120** J	36 U	35 U	**39** J	**64** J	**66** J
SVOC	DIBENZOFURAN	µg/Kg	5.4 U	**12** J	4.7 U	5.5 U	5.2 U	5 U	4.9 U	4.9 U	4.7 U	4.8 U	4.7 U
SVOC	DIETHYL PHTHALATE	µg/Kg	6.9 U	6.1 U	6 U	7.1 U	6.6 U	6.4 U	6.3 U	6.2 U	5.9 U	6.1 U	**13** J
SVOC	DIMETHYL PHTHALATE	µg/Kg	25 U	22 U	22 U	26 U	24 U	23 U	23 U	23 U	22 U	22 U	22 U
SVOC	DIPHENYLAMINE	µg/Kg	34 U	30 U	30 U	35 U	33 U	32 U	31 U	31 U	30 U	30 U	30 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	15 U	13 U	13 U	16 U	15 U	14 U	14 U	14 U	13 U	13 U	13 U
SVOC	FLUORANTHENE	µg/Kg	11 UJ	**410** J	**90** J	12 UJ	11 UJ	**950**	**160** J	**200** J	**270** J	**37** J	9.7 UJ
SVOC	FLUORENE	µg/Kg	7.1 U	**22** J	**15** J	7.3 U	6.8 U	**18** J	6.4 U	6.4 U	6.1 U	6.2 U	6.2 U
SVOC	HEXACHLOROBENZENE	µg/Kg	12 U	**190** J	11 U	13 U	12 U	11 U	11 U	**13** J	11 U	11 U	11 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	41 U	36 U	36 U	42 U	39 U	38 U	37 U	37 U	35 U	36 U	36 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	31 U	28 U	27 U	32 U	30 U	29 U	28 U	28 U	27 U	27 U	27 U
SVOC	HEXACHLOROETHANE	µg/Kg	56 U	50 U	49 U	58 U	54 U	52 U	51 U	51 U	48 U	50 U	49 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			8046-2	8196-1	8196-2	8282-1	8282-2	8314-1	8314-2	876-1	876-2	9386-1	9386-2
			MidBlind_8046-2	MidBlind_8196-1	MidBlind_8196-2	MidBlind_8282-1	MidBlind_8282-2	MidBlind_8314-1	MidBlind_8314-2	MidBlind_876-1	MidBlind_876-2	MidBlind_9386-1	MidBlind_9386-2
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	SOIL	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
SVOC	HEXACHLOROPHENE	µg/Kg	840 UJ	740 UJ	730 UJ	860 UJ	810 UJ	770 UJ	770 UJ	760 UJ	720 UJ	740 UJ	730 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	56 U	49 U	48 U	57 U	54 U	51 U	51 U	50 U	48 U	49 U	49 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	29 U	**120** J	**57** J	30 U	28 U	**770** J	**120** J	**210** J	**190** J	**32** J	25 U
SVOC	ISODRIN	µg/Kg	23 U	21 U	20 U	24 U	23 U	22 U	21 U	21 U	20 U	21 U	20 U
SVOC	ISOPHORONE	µg/Kg	5.8 U	5.2 U	5.1 U	6 U	5.6 U	5.4 U	5.3 U	5.3 U	5 U	5.2 U	5.1 U
SVOC	ISOSAFROLE	µg/Kg	20 U	18 U	18 U	21 U	20 U	19 U	19 U	18 U	18 U	18 U	18 U
SVOC	METHAPYRILENE	µg/Kg	49 U	43 U	42 U	50 U	47 U	45 U	45 U	44 U	42 U	43 U	43 UJ
SVOC	METHYL METHANESULFONATE	µg/Kg	24 U	21 U	21 U	25 U	23 U	22 U	22 U	22 U	21 U	21 U	21 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	12 U	11 U	11 U	13 U	12 U	11 U	11 U	11 U	11 U	11 U	11 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	9.5 U	8.4 U	8.2 U	9.8 U	9.2 U	8.8 U	8.7 U	8.6 U	8.2 U	8.4 U	8.3 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	22 U	20 U	19 U	23 U	21 U	20 U	20 U	20 U	19 U	20 U	19 U
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	50 UJ	45 UJ	44 UJ	52 UJ	49 UJ	47 U	46 U	46 UJ	44 U	45 UJ	44 UJ
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	14 U	12 U	12 U	14 UJ	13 UJ	13 U	13 U	13 U	12 U	12 UJ	12 UJ
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	19 U	17 U	16 U	20 UJ	18 UJ	18 U	17 U	17 U	16 U	17 UJ	17 UJ
SVOC	N-NITROSOMORPHOLINE	µg/Kg	22 U	20 U	19 U	23 U	22 U	21 U	20 U	20 U	19 U	20 U	20 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	14 U	12 U	12 U	14 U	13 U	13 U	12 U	12 U	12 U	12 U	12 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 U	380 U	380 U	360 U	370 U	370 U
SVOC	NAPHTHALENE	µg/Kg	34 U	**68** J	**49** J	35 U	32 U	31 U	31 U	30 U	29 U	**510**	**430**
SVOC	NITROBENZENE	µg/Kg	43 U	38 U	38 U	45 U	42 U	40 U	39 U	39 U	37 U	38 U	38 U
SVOC	O-TOLUIDINE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 U	380 U	380 U	360 U	370 U	370 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	15 U	14 U	13 U	16 U	15 U	14 U	14 U	14 U	13 U	14 U	13 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	34 U	30 U	30 U	35 U	33 U	32 UJ	31 UJ	31 UJ	30 UJ	30 U	30 U
SVOC	PENTACHLOROBENZENE	µg/Kg	34 U	30 U	29 U	35 U	32 U	31 U	31 U	30 U	29 U	30 U	29 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	23 U	21 U	20 U	24 U	22 U	21 U	21 U	21 U	20 U	21 U	20 U
SVOC	PENTACHLOROPHENOL	µg/Kg	37 UJ	**360** J	**400** J	38 UJ	36 UJ	34 UJ	34 UJ	34 UJ	**37** J	33 UJ	32 UJ
SVOC	PHENACETIN	µg/Kg	15 U	13 U	13 U	15 U	14 U	14 U	14 U	13 U	13 U	13 U	13 U
SVOC	PHENANTHRENE	µg/Kg	**13** J	**240** J	**37** J	6.8 U	6.3 U	**420**	**62** J	**93** J	**110** J	**71** J	**85** J
SVOC	PHENOL	µg/Kg	8.7 UJ	7.7 UJ	7.5 UJ	8.9 UJ	8.4 UJ	8 U	7.9 U	7.9 U	7.5 U	7.7 UJ	7.6 UJ
SVOC	PRONAMIDE	µg/Kg	13 U	12 U	12 U	14 U	13 U	12 U	12 U	12 U	11 U	12 U	12 U
SVOC	PYRENE	µg/Kg	20 U	**260** J	**63** J	20 U	19 U	**840** J	**130** J	**230** J	**220** J	**41** J	**32** J
SVOC	PYRIDINE	µg/Kg	63 UJ	55 UJ	54 UJ	64 UJ	60 UJ	58 U	57 U	57 U	54 U	55 UJ	55 UJ
SVOC	SAFROLE	µg/Kg	18 U	16 U	15 U	18 U	17 U	16 U	16 U	16 U	15 U	16 U	16 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	420 U	370 U	360 U	430 U	400 U	390 U	380 U	380 U	360 U	370 U	370 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	11 U	8.2 U	8.6 U	11 U	9.2 U	14 U	9.6 U	8.2 U	7.8 U	9.2 U	7.7 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	7.5 U	5.8 U	6 U	7.9 U	6.4 U	10 U	6.7 U	5.7 U	5.4 U	6.4 U	5.4 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	11 U	8.4 U	8.8 U	12 U	9.4 U	15 U	9.8 U	8.4 U	7.9 U	9.4 U	7.9 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	6.9 U	5.3 U	5.6 U	7.3 U	5.9 U	9.4 U	6.2 U	5.3 U	5 U	6 U	5 U
VOC	1,1-DICHLOROETHANE	µg/Kg	9.7 U	7.5 U	7.8 U	10 U	8.3 U	13 U	8.7 U	7.4 U	7 U	8.3 U	6.9 U
VOC	1,1-DICHLOROETHENE	µg/Kg	22 U	17 U	18 U	23 U	19 U	29 U	20 U	17 U	16 U	19 U	16 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	15 U	12 U	12 U	16 U	13 U	20 U	13 U	11 U	11 U	13 U	11 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	9.1 U	7 U	7.4 U	9.7 U	7.8 U	12 U	8.2 U	7 U	6.6 U	7.9 U	6.6 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	63 U	56 U	55 U	65 U	61 U	58 U	57 U	57 U	54 U	56 U	55 U
VOC	1,2-DICHLOROETHANE	µg/Kg	6.9 U	5.3 U	5.6 U	7.3 U	5.9 U	9.4 U	6.2 U	5.3 U	5 U	6 U	5 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	6.8 UJ	5.3 UJ	5.5 UJ	7.2 U	5.8 U	9.2 U	6.1 U	5.2 U	4.9 U	5.9 U	4.9 U
VOC	1,3-DICHLOROBENZENE	µg/Kg	66 U	58 U	57 U	68 U	63 U	60 U	60 U	59 U	57 U	58 U	57 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	60 UJ	53 UJ	52 UJ	61 UJ	57 UJ	55 U	54 U	54 U	51 U	53 UJ	52 UJ
VOC	2-HEXANONE	µg/Kg	50 U	39 U	41 U	53 U	43 U	68 U	45 U	39 U	36 U	43 U	36 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			8046-2	8196-1	8196-2	8282-1	8282-2	8314-1	8314-2	876-1	876-2	9386-1	9386-2
			MidBlind_8046-2	MidBlind_8196-1	MidBlind_8196-2	MidBlind_8282-1	MidBlind_8282-2	MidBlind_8314-1	MidBlind_8314-2	MidBlind_876-1	MidBlind_876-2	MidBlind_9386-1	MidBlind_9386-2
			10/30/2006	10/30/2006	10/30/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006
		Samp	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6	0-1	1-6
		:	Soil	SOIL	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
VOC	ACETONE	µg/Kg	23 UJ	18 UJ	18 UJ	24 UJ	19 UJ	31 UJ	20 U	18 UJ	17 UJ	20 UJ	16 UJ
VOC	ACETONITRILE	µg/Kg	270 UJ	210 UJ	220 UJ	290 UJ	240 UJ	370 UJ	250 UJ	210 UJ	200 UJ	240 UJ	200 UJ
VOC	ACROLEIN	µg/Kg	140 UJ	110 UJ	120 UJ	150 UJ	120 UJ	190 U	130 U	110 U	100 U	120 UJ	100 UJ
VOC	ACRYLONITRILE	µg/Kg	43 U	33 U	35 U	46 U	37 U	**260** J	39 U	33 U	31 U	37 U	31 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	61 U	47 U	49 U	64 U	52 U	82 U	54 U	47 U	44 U	52 U	44 U
VOC	BENZENE	µg/Kg	6.3 U	4.9 U	5.1 U	6.7 U	5.4 U	8.5 U	5.7 U	4.9 U	4.6 U	5.4 U	4.5 U
VOC	BROMODICHLOROMETHANE	µg/Kg	8.2 U	6.3 U	6.6 U	8.7 U	7 U	11 U	7.3 U	6.3 U	6 U	7.1 U	5.9 U
VOC	BROMOFORM	µg/Kg	10 U	7.9 U	8.3 U	11 U	8.8 U	14 U	9.2 U	7.9 U	7.5 U	8.8 U	7.4 U
VOC	BROMOMETHANE	µg/Kg	91 U	71 U	74 U	97 U	78 U	120 U	82 U	70 U	66 U	79 U	66 U
VOC	CARBON DISULFIDE	µg/Kg	6.6 U	5.1 U	5.4 U	7 U	5.7 U	8.9 U	5.9 U	5.1 U	4.8 U	5.7 U	4.8 U
VOC	CARBON TETRACHLORIDE	µg/Kg	7.3 U	5.6 U	5.9 U	7.7 U	6.2 U	9.8 U	6.5 U	5.6 U	5.3 U	6.3 U	5.2 U
VOC	CHLOROBENZENE	µg/Kg	10 U	7.7 U	8.1 U	11 U	8.6 U	14 U	9 U	7.7 U	7.3 U	8.6 U	7.2 U
VOC	CHLOROETHANE	µg/Kg	37 U	28 U	30 UJ	39 U	32 U	50 UJ	33 UJ	28 U	27 UJ	32 U	26 U
VOC	CHLOROFORM	µg/Kg	8.6 U	6.6 U	6.9 U	9.1 U	7.3 U	12 U	7.7 U	6.6 UJ	6.2 U	7.4 U	6.2 U
VOC	CHLOROMETHANE	µg/Kg	28 UJ	22 UJ	23 U	30 UJ	24 UJ	**87**	25 U	22 U	21 U	24 UJ	20 UJ
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	61 U	47 U	49 U	64 U	52 U	82 U	54 U	47 U	44 U	52 U	44 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	7 U	5.4 U	5.7 U	7.4 U	6 U	9.4 U	6.3 U	5.4 U	5.1 U	6 U	5 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	5.5 U	4.2 U	4.4 U	5.8 U	4.7 U	7.4 U	4.9 U	4.2 U	4 U	4.7 U	3.9 U
VOC	DIBROMOMETHANE	µg/Kg	9.5 U	7.3 U	7.7 U	10 U	8.1 U	13 U	8.5 U	7.3 U	6.9 U	8.2 U	6.8 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	22 U	17 U	18 U	23 U	19 U	30 UJ	20 U	17 UJ	16 UJ	19 U	16 U
VOC	ETHYL BENZENE	µg/Kg	13 UJ	9.7 UJ	10 UJ	13 U	11 U	17 U	11 U	9.7 U	**67**	**69**	**150**
VOC	ETHYL METHACRYLATE	µg/Kg	61 U	47 U	49 U	64 U	52 U	82 U	54 U	47 U	44 U	52 U	44 U
VOC	ISOBUTANOL	µg/Kg	61 UJ	47 UJ	49 UJ	64 U	52 U	82 UJ	54 UJ	47 UJ	44 UJ	52 U	44 U
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	19 U	15 U	15 U	20 U	16 U	26 U	17 U	15 U	14 U	16 U	14 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	55 UJ	42 UJ	45 UJ	58 UJ	47 UJ	74 U	49 U	42 U	40 U	47 UJ	40 UJ
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	11 U	8.1 U	8.5 U	11 U	9 U	14 U	9.4 U	8.1 U	7.6 U	9.1 U	7.6 U
VOC	METHYL METHACRYLATE	µg/Kg	61 U	47 U	49 U	64 U	52 U	82 U	54 U	47 U	44 U	52 U	44 U
VOC	METHYLACRYLONITRILE	µg/Kg	300 U	230 U	250 U	320 U	260 U	410 UJ	270 U	230 UJ	220 UJ	260 U	220 U
VOC	METHYLENE CHLORIDE	µg/Kg	29 U	22 U	24 U	31 U	25 U	39 U	26 U	22 U	21 U	25 U	21 U
VOC	PENTOCHLORETHANE	µg/Kg	14 U	13 U	12 U	15 U	14 U	13 U	13 U	13 U	12 U	13 U	12 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	61 UJ	47 UJ	49 UJ	64 UJ	52 UJ	82 UJ	54 UJ	47 UJ	44 UJ	52 UJ	44 UJ
VOC	STYRENE	µg/Kg	9.2 U	7.1 U	7.5 U	9.8 U	7.9 U	13 U	8.3 U	7.1 U	6.7 U	**160**	**140**
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	12 U	9 U	9.4 U	12 U	10 U	16 U	10 U	9 U	8.5 U	10 U	8.4 U
VOC	TOLUENE	µg/Kg	**1300** J	**3500**	**110**	35 UJ	29 UJ	**770**	**3400**	**3900**	**1400**	29 UJ	**440** J
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	10 U	7.7 U	8.1 U	11 U	8.5 U	14 U	8.9 U	7.7 U	7.2 U	8.6 U	7.2 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	8.6 U	6.6 U	6.9 U	9.1 U	7.3 U	12 U	7.7 U	6.6 U	6.2 U	7.4 U	6.2 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	44 U	34 U	35 U	46 U	38 U	59 U	39 U	34 U	32 U	38 U	32 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	11 U	8.3 U	8.7 U	11 U	9.2 U	15 U	9.6 U	8.3 U	7.8 U	9.3 U	7.7 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	15 U	12 U	12 U	16 U	13 U	21 U	14 U	12 U	11 U	13 U	11 U
VOC	VINYL ACETATE	µg/Kg	59 U	46 U	48 U	63 U	51 U	80 U	53 U	46 U	43 U	51 U	43 U
VOC	VINYL CHLORIDE	µg/Kg	21 U	16 U	17 U	23 U	18 U	29 U	19 U	16 U	16 U	18 U	15 U
VOC	XYLENES, TOTAL	µg/Kg	35 U	27 U	28 U	37 U	30 U	47 U	31 U	27 U	**140**	**280**	**250**

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
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Midland Area Soils

			9496-1	9496-2	9645-1	9645-1-C	9645-2	9645-2-C	9672-1	9672-2	9712-1	9712-2
			MidBlind_9496-1	MidBlind_9496-2	MidBlind_9645-1	MidBlind_9645-1-C	MidBlind_9645-2	MidBlind_9645-2-C	MidBlind_9672-1	MidBlind_9672-2	MidBlind_9712-1	MidBlind_9712-2
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	0-1	1-6	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**										
GEN	CYANIDE, TOTAL	µg/Kg	**260**	0.034 U	0.0071 U	**18** J	0.0069 U	0.0069 U	0.0076 U	**75** J	**51** J	**12** J
GEN	SULFIDE	mg/kg	96 U	90 U	94 U	94 U	92 U	92 U	100 UJ	92 UJ	100 U	97 U
GEN	TOTAL ORGANIC CARBON	mg/kg	**15000**	73 U	**16000**	**13000**	**10000**	**11000**	**38000**	73 U	**27000**	**31000**
HERB	2,4,5-T (TRICHLOROPHENOXYACETIC ACID)	µg/Kg	2.4 U	2.2 U	2.3 U	2.4 U	2.3 U	2.3 U	2.5 U	2.3 U	2.5 U	2.4 U
HERB	2,4-D (DICHLOROPHENOXYACETIC ACID)	µg/Kg	2 U	1.9 U	**14** J	2 U	1.9 U	1.9 U	2.1 U	1.9 U	2.1 U	2 U
HERB	DINOSEB	µg/Kg	62 U	58 UJ	61 U	61 U	60 U	60 U	66 U	59 U	66 UJ	64 U
HERB	SILVEX (2,4,5-TP)	µg/Kg	2.1 U	2 U	2 U	2.1 U	2 U	2 U	2.2 U	2 U	2.2 U	2.1 U
MET	ANTIMONY	µg/Kg	460 U	220 U	220 U	220 U	220 U	220 UJ	240 U	220 U	250 U	230 U
MET	ARSENIC	µg/Kg	**3100**	**5500**	**2200**	**2000**	**2600**	**2500**	**9200**	**2000**	**5200**	**3600**
MET	BARIUM	µg/Kg	**81000**	**70000**	**26000**	**25000**	**28000**	**27000**	**24000**	**7800**	**38000**	**37000**
MET	BERYLLIUM	µg/Kg	**1100**	**720**	**190** J	**180** J	**210** J	**200** J	**310**	**92** J	**290**	**280**
MET	CADMIUM	µg/Kg	**170** J	**300**	15 U	15 U	14 U	14 U	**350**	**33** J	16 U	**240** J
MET	CHROMIUM, TOTAL	µg/Kg	**11000**	**6400**	**4100**	**3900**	**4300**	**4200** J	**8300**	**2200**	**6600**	**7100**
MET	COBALT	µg/Kg	**6000**	**5100**	**1600**	**1500**	**1800**	**1600**	**2600**	**910**	**2500**	**2600**
MET	COPPER	µg/Kg	**18000**	**19000**	**5800**	**5500**	**6100**	**6300**	**39000**	**5500**	**13000**	**13000**
MET	LEAD	µg/Kg	**11000**	**12000**	**10000**	**9900**	**11000**	**12000**	**31000**	**3400**	**20000**	**18000**
MET	MERCURY	µg/Kg	**31**	**35**	4.2 U	4.2 U	**30**	4.1 U	**67**	4.1 U	**39**	**36**
MET	NICKEL	µg/Kg	**15000**	**14000**	**4300**	**4100**	**5000**	**4600**	**8500**	**2600**	**6700**	**6900**
MET	SELENIUM	µg/Kg	1000 U	470 U	490 U	490 U	490 U	480 U	530 U	480 U	540 U	510 U
MET	SILVER	µg/Kg	110 U	53 U	55 U	55 U	54 U	54 U	59 U	54 U	60 U	57 U
MET	THALLIUM	µg/Kg	410 U	190 U	200 U	200 U	200 U	200 U	210 U	190 U	220 U	210 U
MET	TIN	µg/Kg	1100 U	500 U	520 U	520 U	520 U	510 U	570 U	510 U	570 U	550 U
MET	VANADIUM	µg/Kg	**25000**	**20000**	**8100**	**7600**	**8700**	**8400**	**12000**	**5300**	**15000**	**11000**
MET	ZINC	µg/Kg	**38000**	**49000**	60 U	60 U	59 U	59 U	64 U	59 U	65 U	**40000**
PCB	PCB-1016 (AROCLOR 1016)	µg/Kg	6.4 U	5.9 U	6.2 U	6.3 U	6.1 U	6.2 U	6.8 U	6.1 U	6.8 U	6.5 U
PCB	PCB-1221 (AROCLOR 1221)	µg/Kg	11 U	10 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	11 U
PCB	PCB-1232 (AROCLOR 1232)	µg/Kg	12 U	11 U	12 U	12 U	12 U	12 U	13 U	12 U	13 U	12 U
PCB	PCB-1242 (AROCLOR 1242)	µg/Kg	14 U	13 U	14 U	14 U	13 U	14 U	15 U	13 U	15 U	14 U
PCB	PCB-1248 (AROCLOR 1248)	µg/Kg	9.3 U	8.6 U	9 U	9.2 U	8.9 U	9 U	9.8 U	8.9 U	9.9 U	9.5 U
PCB	PCB-1254 (AROCLOR 1254)	µg/Kg	7.7 U	7.1 U	7.5 U	7.6 U	7.4 U	7.5 U	8.2 U	7.4 U	8.2 U	7.9 U
PCB	PCB-1260 (AROCLOR 1260)	µg/Kg	**77**	**60**	6.3 U	6.4 U	6.2 U	6.2 U	6.8 U	6.2 U	6.9 U	6.6 U
PCB	PCB-1262 (AROCLOR 1262)	µg/Kg	**99**	7.9 U	8.3 U	8.4 U	8.2 U	8.2 U	9 U	8.2 U	9 U	8.7 U
PCB	PCB-1268 (AROCLOR 1268)	µg/Kg	12 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U
PCB	SUMMED PCB	µg/Kg	**210**	**98**	**42**	**43**	**42**	**42**	**46**	**42**	**46**	**44**
PEST	1,2-DIBROMO-3-CHLOROPROPANE	µg/Kg	48 U	40 U	43 U	48 U	40 U	41 U	60 U	41 U	57 U	43 U
PEST	4,4'-DDD	µg/Kg	0.69 U	0.64 U	0.67 U	0.68 U	0.66 U	0.67 U	0.73 U	0.66 U	0.73 U	0.71 U
PEST	4,4'-DDE	µg/Kg	0.93 U	0.86 U	**1.1** J	**1.2** J	**1.2** J	**2** J	**4.1** J	0.89 U	0.99 U	0.95 U
PEST	4,4'-DDT	µg/Kg	1.1 U	0.97 U	1 U	1 U	1 U	1 U	**2** J	1 U	1.1 U	**4.3** J
PEST	ALDRIN	µg/Kg	0.72 U	0.66 U	0.69 U	0.71 U	0.69 U	0.69 U	0.76 U	0.69 U	0.76 U	0.73 U
PEST	ALPHA BHC	µg/Kg	0.91 U	0.84 U	0.88 U	0.9 U	0.87 U	0.87 U	0.96 U	0.87 U	0.96 U	0.92 U
PEST	BETA BHC	µg/Kg	0.98 U	0.9 U	0.95 U	0.97 U	0.94 U	0.94 U	1 U	0.94 U	1 U	1 U
PEST	CHLORDANE	µg/Kg	0.95 U	0.88 U	0.93 U	0.94 U	0.91 U	0.92 U	1 U	0.91 U	1 U	0.97 U
PEST	DELTA BHC	µg/Kg	0.88 U	0.82 U	0.86 U	0.87 U	0.85 U	0.85 U	0.93 U	0.85 U	0.94 U	0.9 U
PEST	DIELDRIN	µg/Kg	0.72 U	0.66 U	0.69 U	0.71 U	0.69 U	0.69 U	0.76 U	0.69 U	**1** J	0.73 U
PEST	DIMETHOATE	µg/Kg	61 U	57 U	60 U	60 U	58 U	59 U	65 U	58 U	65 U	62 U
PEST	DISULFOTON	µg/Kg	10 U	9.6 U	10 U	10 U	9.8 U	9.8 U	11 U	9.8 U	11 U	11 U
PEST	ENDOSULFAN I	µg/Kg	0.55 U	0.51 U	0.53 U	0.54 U	0.53 UJ	0.53 U	0.58 U	0.53 U	0.58 U	0.56 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			9496-1	9496-2	9645-1	9645-1-C	9645-2	9645-2-C	9672-1	9672-2	9712-1	9712-2
			MidBlind_9496-1	MidBlind_9496-2	MidBlind_9645-1	MidBlind_9645-1-C	MidBlind_9645-2	MidBlind_9645-2-C	MidBlind_9672-1	MidBlind_9672-2	MidBlind_9712-1	MidBlind_9712-2
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	0-1	1-6	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**										
PEST	ENDOSULFAN II	µg/Kg	0.6 U	0.55 U	0.58 U	0.59 U	0.57 U	0.57 U	0.63 U	0.57 U	0.63 U	0.61 U
PEST	SUMMED Endosulfan (I and II)	µg/Kg	**0.57**	**0.53**	**0.56**	**0.57**	**0.55**	**0.55**	**0.6**	**0.55**	**0.61**	**0.58**
PEST	ENDOSULFAN SULFATE	µg/Kg	0.86 U	0.79 U	0.83 U	0.85 U	0.82 U	0.83 U	0.91 U	0.82 U	0.91 U	0.88 U
PEST	ENDRIN	µg/Kg	0.87 U	0.8 U	0.85 U	0.86 U	0.83 U	0.84 U	0.92 U	0.83 U	0.92 U	0.89 U
PEST	ENDRIN ALDEHYDE	µg/Kg	0.89 U	0.83 U	0.87 U	0.88 U	0.86 U	0.86 U	0.94 U	0.86 U	0.95 U	0.91 U
PEST	FAMPHUR	µg/Kg	33 UJ	31 UJ	33 UJ	33 UJ	32 UJ	32 UJ	35 UJ	32 UJ	35 UJ	34 UJ
PEST	GAMMA BHC (LINDANE)	µg/Kg	0.69 U	0.64 U	0.67 U	0.68 U	0.66 U	0.67 U	0.73 U	0.66 U	0.73 U	0.71 U
PEST	HEPTACHLOR	µg/Kg	0.72 U	0.66 U	0.69 U	0.71 U	0.69 U	0.69 U	0.76 U	0.69 U	0.76 U	0.73 U
PEST	HEPTACHLOR EPOXIDE	µg/Kg	0.99 U	0.91 U	0.96 U	0.98 U	0.95 U	0.95 U	1 U	0.95 U	1.1 U	1 U
PEST	KEPONE	µg/Kg	2000 U	1800 U	1900 U	1900 U	1900 U	1900 U	2100 U	1900 U	2100 U	2000 U
PEST	METHOXYCHLOR	µg/Kg	1.2 U	1.1 U	1.2 U	1.2 U	1.1 U	1.2 U	1.3 U	1.1 U	1.3 U	1.2 U
PEST	O,O,O-TRIETHYL PHOSPHOROTHIOATE	µg/Kg	11 U	10 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	11 U
PEST	O,O-DIETHYL O-2-PYRAZINYL PHOSPHOROTHIOATE (THIONAZIN)	µg/Kg	20 U	19 U	20 U	20 U	19 U	20 U	22 U	19 U	22 U	21 U
PEST	PARATHION, ETHYL (PARATHION)	µg/Kg	20 U	19 U	20 U	20 U	19 U	19 U	21 U	19 U	21 U	21 U
PEST	PARATHION, METHYL	µg/Kg	13 U	13 U	13 U	13 U	13 U	13 U	14 U	13 U	14 U	14 U
PEST	PHORATE	µg/Kg	10 UJ	9.7 UJ	10 UJ	10 UJ	9.9 UJ	9.9 UJ	11 U	9.8 U	11 UJ	11 UJ
PEST	TETRAETHYL DITHIOPYROPHOSPHATE (SULFOTEPP)	µg/Kg	780 U	730 U	770 U	770 U	750 U	750 U	830 U	750 U	840 U	800 U
PEST	TOXAPHENE	µg/Kg	11 U	10 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	11 U
SVOC	1,2,4,5-TETRACHLOROBENZENE	µg/Kg	9.4 U	8.8 U	9.3 U	9.3 U	9 U	9.1 U	10 U	9 U	10 U	9.6 U
SVOC	1,3-DINITROBENZENE	µg/Kg	8.8 U	8.2 U	8.6 U	8.6 U	8.4 U	8.4 U	9.3 U	8.4 U	9.3 U	8.9 U
SVOC	1,4-DIOXANE	µg/Kg	390 UJ	370 UJ	380 UJ	390 UJ	370 UJ	380 UJ	420 U	370 U	420 UJ	400 UJ
SVOC	1,4-NAPHTHOQUINONE	µg/Kg	13 U	13 UJ	13 U	13 U	13 U	13 U	14 U	13 U	14 UJ	14 U
SVOC	1-NAPHTHYLAMINE	µg/Kg	390 U	370 U	380 U	390 U	370 U	380 U	420 U	370 U	420 U	400 U
SVOC	2,2'-OXYBIS(1-CHLOROPROPANE)	µg/Kg	39 U	36 U	38 U	38 U	37 U	37 U	41 U	37 U	41 U	39 U
SVOC	2,3,4,6-TETRACHLOROPHENOL	µg/Kg	16 U	15 U	16 U	16 U	15 U	15 U	17 U	15 U	17 U	16 U
SVOC	2,4,5-TRICHLOROPHENOL	µg/Kg	8.9 U	8.3 U	8.7 U	8.7 U	8.5 U	8.5 U	9.4 U	8.5 U	9.5 U	9.1 U
SVOC	2,4,6-TRICHLOROPHENOL	µg/Kg	6.8 U	6.4 U	6.7 U	6.7 U	6.5 U	6.5 U	7.2 U	6.5 U	7.2 U	6.9 U
SVOC	2,4-DICHLOROPHENOL	µg/Kg	30 U	28 U	29 U	29 U	28 U	28 U	31 U	28 U	31 U	30 U
SVOC	2,4-DIMETHYLPHENOL	µg/Kg	65 U	61 U	63 U	63 U	62 U	62 U	69 U	62 U	69 U	66 U
SVOC	2,4-DINITROPHENOL	µg/Kg	23 U	21 UJ	22 U	22 U	22 U	22 U	24 U	22 U	24 UJ	23 U
SVOC	2,4-DINITROTOLUENE	µg/Kg	32 U	30 U	31 U	31 U	31 U	31 U	34 U	30 U	34 U	33 U
SVOC	2,6-DICHLOROPHENOL	µg/Kg	16 U	15 U	16 U	16 U	15 U	15 U	17 U	15 U	17 U	16 U
SVOC	2,6-DINITROTOLUENE	µg/Kg	6.8 U	6.3 U	6.6 U	6.6 U	6.5 U	6.5 U	7.2 U	6.5 U	7.2 U	6.9 U
SVOC	2-Acetylaminofluorene	µg/Kg	15 U	14 U	15 U	15 U	15 U	15 U	16 U	15 U	16 U	16 U
SVOC	2-CHLORONAPHTHALENE	µg/Kg	29 U	27 U	28 U	28 U	28 U	28 U	31 U	27 U	31 U	29 U
SVOC	2-CHLOROPHENOL	µg/Kg	30 U	28 U	29 U	29 U	28 U	28 U	31 U	28 U	31 U	30 U
SVOC	2-METHYLNAPHTHALENE	µg/Kg	**21** J	**23** J	8.3 U	8.3 U	8.1 U	8.1 U	**260** J	**11** J	9 U	8.6 U
SVOC	2-METHYLPHENOL (O-CRESOL)	µg/Kg	20 U	19 U	20 U	20 U	19 U	19 U	21 U	19 U	21 U	20 U
SVOC	2-NAPHTHYLAMINE	µg/Kg	390 U	370 U	380 U	390 U	370 U	380 U	420 U	370 U	420 U	400 U
SVOC	2-NITROANILINE	µg/Kg	9 U	8.4 U	8.8 U	8.8 U	8.6 U	8.6 U	9.5 U	8.5 U	9.6 U	9.2 U
SVOC	2-NITROPHENOL	µg/Kg	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U
SVOC	3 & 4-METHYLPHENOL (M,P-CRESOL)	µg/Kg	12 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U
SVOC	3,3'-DICHLOROBENZIDINE	µg/Kg	67 U	62 U	65 U	65 U	64 U	64 U	71 U	63 U	71 U	68 U
SVOC	3,3'-DIMETHYLBENZIDINE	µg/Kg	390 U	370 U	380 U	390 U	370 U	380 U	420 U	370 U	420 U	400 U
SVOC	3-METHYLCHOLANTHRENE	µg/Kg	21 U	20 U	20 U	20 U	20 U	20 U	22 U	20 U	22 U	21 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

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			MidBlind_9496-1	MidBlind_9496-2	MidBlind_9645-1	MidBlind_9645-1-C	MidBlind_9645-2	MidBlind_9645-2-C	MidBlind_9672-1	MidBlind_9672-2	MidBlind_9712-1	MidBlind_9712-2
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	0-1	1-6	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**										
SVOC	3-NITROANILINE	µg/Kg	7.8 U	7.3 U	7.7 U	7.7 U	7.5 U	7.5 U	8.3 U	7.5 U	8.3 U	8 U
SVOC	4,6-DINITRO-2-METHYLPHENOL	µg/Kg	15 U	14 U	15 U	15 U	14 U	14 U	16 U	14 U	16 U	15 U
SVOC	4-AMINOBIPHENYL	µg/Kg	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U
SVOC	4-BROMOPHENYL PHENYL ETHER	µg/Kg	15 U	14 U	14 U	14 U	14 U	14 U	16 U	14 U	16 U	15 U
SVOC	4-CHLORO-3-METHYLPHENOL	µg/Kg	12 U	11 U	12 U	12 U	11 U	11 U	13 U	11 U	13 U	12 U
SVOC	4-CHLOROANILINE	µg/Kg	49 U	45 U	48 U	48 U	46 U	47 U	51 U	46 U	52 U	49 U
SVOC	4-CHLOROPHENYL PHENYL ETHER	µg/Kg	5.5 U	5.2 U	5.4 U	5.4 U	5.3 U	5.3 U	5.9 U	5.3 U	5.9 U	5.6 U
SVOC	4-NITROANILINE	µg/Kg	46 U	43 U	45 U	45 U	44 U	44 U	49 U	44 U	49 U	47 U
SVOC	4-NITROPHENOL	µg/Kg	9.8 U	9.2 U	9.6 U	9.6 U	9.4 U	9.4 U	10 U	9.4 U	10 U	10 U
SVOC	4-NITROQUINOLINE-1-OXIDE	µg/Kg	9.5 UJ	8.9 U	9.4 U	9.4 U	9.1 UJ	9.2 U	10 U	9.1 U	10 U	9.7 UJ
SVOC	5-NITRO-O-TOLUIDINE	µg/Kg	13 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	13 U	13 U
SVOC	7,12-DIMETHYLBENZ(A)ANTHRACENE	µg/Kg	15 U	14 U	15 U	15 U	15 U	15 U	16 U	15 U	16 U	16 U
SVOC	ACENAPHTHENE	µg/Kg	8.5 U	7.9 U	8.3 U	8.3 U	8.1 U	8.1 U	9 UJ	8.1 UJ	9 U	8.6 U
SVOC	ACENAPHTHYLENE	µg/Kg	8.6 U	8 U	8.4 U	8.4 U	8.2 U	8.2 U	9.1 U	8.2 U	9.1 U	8.7 U
SVOC	ACETOPHENONE	µg/Kg	9.7 U	9.1 U	9.5 U	9.5 U	9.3 U	9.3 U	10 U	9.3 U	10 U	9.9 U
SVOC	ALPHA, ALPHA DIMETHYLPHENETHYLAMINE	µg/Kg	390 UJ	370 U	380 U	390 U	370 U	380 U	420 U	370 U	420 U	400 UJ
SVOC	ANILINE	µg/Kg	51 U	48 U	50 U	50 U	49 U	49 U	54 U	48 U	54 U	52 U
SVOC	ANTHRACENE	µg/Kg	5.9 U	5.5 U	5.8 U	5.8 U	5.6 U	5.7 U	**12** J	5.6 U	6.3 U	**9.9** J
SVOC	ARAMITE (TOTAL)	µg/Kg	81 U	76 U	80 U	80 U	78 U	78 U	86 U	77 U	86 U	83 U
SVOC	BENZO(A)ANTHRACENE	µg/Kg	6.9 U	6.5 U	6.8 U	6.8 U	6.6 U	6.7 U	7.4 U	6.6 U	7.4 U	7.1 U
SVOC	BENZO(A)PYRENE	µg/Kg	9.3 U	8.7 U	**17** J	**15** J	**17** J	**9.2** J	**25** J	8.9 UJ	**34** J	**26** J
SVOC	BENZO(B)FLUORANTHENE	µg/Kg	**29** J	7 U	**37** J	**44** J	**38** J	**30** J	**70** J	**41** J	**66** J	**53** J
SVOC	BENZO(G,H,I)PERYLENE	µg/Kg	**34** J	30 U	**37** J	**39** J	30 U	30 U	**170** J	**150** J	**51** J	**56** J
SVOC	BENZO(K)FLUORANTHENE	µg/Kg	11 U	9.9 U	10 U	**12** J	**15** J	10 U	**58** J	10 U	**15** J	**14** J
SVOC	BENZYL ALCOHOL	µg/Kg	8.6 U	8.1 U	8.4 U	8.4 U	8.2 U	8.3 U	9.1 U	8.2 U	9.2 U	8.8 U
SVOC	BENZYL BUTYL PHTHALATE	µg/Kg	9 U	8.5 U	8.9 U	8.9 U	8.6 U	8.7 U	9.6 U	8.6 U	**15** J	9.2 U
SVOC	BIS(2-CHLOROETHOXY) METHANE	µg/Kg	6.1 U	5.7 U	6 U	6 U	5.8 U	5.9 U	6.5 U	5.8 U	6.5 U	6.2 U
SVOC	BIS(2-CHLOROETHYL) ETHER	µg/Kg	43 U	40 U	42 U	42 U	41 U	41 U	45 U	41 U	45 U	44 U
SVOC	BIS(2-ETHYLHEXYL) PHTHALATE	µg/Kg	**24** J	18 U	**56** J	18 U	18 U	18 U	20 U	18 UJ	**90** J	**70** J
SVOC	CHLOROBENZILATE	µg/Kg	22 U	21 U	22 U	22 U	21 U	21 U	24 U	21 U	24 U	23 U
SVOC	CHRYSENE	µg/Kg	13 U	12 U	12 U	12 U	12 U	12 U	**59** J	**25** J	13 U	13 U
SVOC	DI-N-BUTYL PHTHALATE	µg/Kg	7.9 U	7.4 U	7.7 U	7.7 U	7.5 U	7.6 U	8.4 U	7.5 U	**47** J	8.1 U
SVOC	DI-N-OCTYLPHTHALATE	µg/Kg	8.2 U	7.7 U	8.1 UJ	8.1 UJ	7.9 UJ	7.9 UJ	8.7 UJ	7.8 UJ	8.8 UJ	8.4 U
SVOC	DIALLATE (TOTAL OF CIS AND TRANS ISOMERS)	µg/Kg	33 U	31 U	32 UJ	32 UJ	31 UJ	32 UJ	35 U	31 U	35 U	33 U
SVOC	DIBENZ(A,H)ANTHRACENE	µg/Kg	37 U	34 U	36 U	36 U	35 U	35 U	39 U	35 U	39 U	37 U
SVOC	DIBENZOFURAN	µg/Kg	5 U	4.7 U	4.9 U	4.9 U	4.8 U	4.8 U	**56** J	4.8 U	5.4 U	5.1 U
SVOC	DIETHYL PHTHALATE	µg/Kg	6.4 U	6 U	6.3 U	6.3 U	6.2 U	6.2 U	6.8 U	6.1 U	6.9 U	6.6 U
SVOC	DIMETHYL PHTHALATE	µg/Kg	23 U	22 U	23 U	23 U	22 U	22 U	25 U	22 U	25 U	24 U
SVOC	DIPHENYLAMINE	µg/Kg	32 U	30 U	31 U	31 U	31 U	31 U	34 U	30 U	34 U	33 U
SVOC	ETHYL METHANESULFONATE	µg/Kg	14 U	13 U	14 UJ	14 UJ	14 UJ	14 UJ	15 U	14 U	15 U	14 U
SVOC	FLUORANTHENE	µg/Kg	10 U	9.8 U	10 U	**31** J	**26** J	**15** J	11 UJ	9.9 UJ	**51** J	**40** J
SVOC	FLUORENE	µg/Kg	6.6 U	6.2 U	6.5 U	6.5 U	6.3 U	6.3 U	7 U	6.3 U	7 U	6.7 U
SVOC	HEXACHLOROBENZENE	µg/Kg	11 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U
SVOC	HEXACHLOROBUTADIENE	µg/Kg	38 U	36 U	38 U	38 U	37 U	37 U	41 U	36 U	41 U	39 U
SVOC	HEXACHLOROCYCLOPENTADIENE	µg/Kg	29 U	27 U	28 U	28 U	28 U	28 U	31 U	28 U	31 U	30 U
SVOC	HEXACHLOROETHANE	µg/Kg	52 U	49 U	51 U	51 U	50 U	50 U	55 U	50 U	56 U	53 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			9496-1	9496-2	9645-1	9645-1-C	9645-2	9645-2-C	9672-1	9672-2	9712-1	9712-2
			MidBlind_9496-1	MidBlind_9496-2	MidBlind_9645-1	MidBlind_9645-1-C	MidBlind_9645-2	MidBlind_9645-2-C	MidBlind_9672-1	MidBlind_9672-2	MidBlind_9712-1	MidBlind_9712-2
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	0-1	1-6	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**										
SVOC	HEXACHLOROPHENE	µg/Kg	780 UJ	730 UJ	770 UJ	770 UJ	750 UJ	750 UJ	830 UJ	750 UJ	840 UJ	800 UJ
SVOC	HEXACHLOROPROPENE	µg/Kg	52 U	49 U	51 U	51 U	50 U	50 U	55 U	50 U	56 U	53 U
SVOC	INDENO(1,2,3-C,D)PYRENE	µg/Kg	27 U	25 UJ	27 U	27 U	26 U	26 U	**37** J	26 U	29 UJ	28 U
SVOC	ISODRIN	µg/Kg	22 U	21 U	21 U	21 U	21 U	21 U	23 U	21 U	23 U	22 U
SVOC	ISOPHORONE	µg/Kg	5.5 U	5.1 U	5.4 U	5.4 U	5.2 U	5.2 U	5.8 U	5.2 U	5.8 U	5.6 U
SVOC	ISOSAFROLE	µg/Kg	19 U	18 U	19 U	19 U	18 U	18 U	20 U	18 U	20 U	19 U
SVOC	METHAPYRILENE	µg/Kg	46 U	43 U	45 U	45 U	44 U	44 U	48 U	43 U	49 U	47 U
SVOC	METHYL METHANESULFONATE	µg/Kg	22 U	21 U	22 U	22 U	21 U	21 U	24 U	21 U	24 U	23 U
SVOC	N-NITROSO-DI-N-BUTYLAMINE	µg/Kg	12 U	11 U	11 U	11 U	11 U	11 U	12 U	11 U	12 U	12 U
SVOC	N-NITROSODI-N-PROPYLAMINE	µg/Kg	8.9 U	8.3 U	8.7 U	8.7 U	8.5 U	8.5 U	9.4 U	8.5 U	9.5 U	9.1 U
SVOC	N-NITROSODIETHYLAMINE	µg/Kg	21 U	19 U	20 UJ	20 UJ	20 UJ	20 UJ	22 U	20 U	22 U	21 U
SVOC	N-NITROSODIMETHYLAMINE	µg/Kg	47 UJ	44 U	46 U	46 U	45 U	45 U	50 UJ	45 UJ	50 U	48 UJ
SVOC	N-NITROSODIPHENYLAMINE	µg/Kg	13 U	12 U	13 U	13 U	12 U	12 U	14 U	12 U	14 U	13 U
SVOC	N-NITROSOMETHYLETHYLAMINE	µg/Kg	18 U	17 U	17 U	17 U	17 U	17 U	19 U	17 U	19 U	18 U
SVOC	N-NITROSOMORPHOLINE	µg/Kg	21 U	20 U	21 U	21 U	20 U	20 U	22 U	20 U	22 U	21 U
SVOC	N-NITROSOPIPERIDINE	µg/Kg	13 U	12 U	13 U	13 U	12 U	12 U	14 U	12 U	14 U	13 U
SVOC	N-NITROSOPYRROLIDINE	µg/Kg	390 U	370 U	380 U	390 U	370 U	380 U	420 U	370 U	420 U	400 U
SVOC	NAPHTHALENE	µg/Kg	31 U	29 U	31 U	31 U	30 U	30 U	**210** J	30 U	33 U	32 U
SVOC	NITROBENZENE	µg/Kg	40 U	38 U	40 U	40 U	39 U	39 U	43 U	39 U	43 U	41 U
SVOC	O-TOLUIDINE	µg/Kg	390 U	370 U	380 U	390 U	370 U	380 U	420 U	370 U	420 U	400 U
SVOC	P-DIMETHYLAMINOAZOBENZENE	µg/Kg	14 U	13 U	14 U	14 U	14 U	14 U	15 U	14 U	15 U	15 U
SVOC	P-PHENYLENEDIAMINE	µg/Kg	32 UJ	30 UJ	31 UJ	31 UJ	31 UJ	31 UJ	34 U	30 U	34 UJ	33 UJ
SVOC	PENTACHLOROBENZENE	µg/Kg	31 U	29 U	31 U	31 U	30 U	30 U	33 U	30 U	33 U	32 U
SVOC	PENTACHLORONITROBENZENE	µg/Kg	22 U	20 U	21 U	21 U	21 U	21 U	23 U	21 U	23 U	22 U
SVOC	PENTACHLOROPHENOL	µg/Kg	35 UJ	33 UJ	34 U	34 U	33 U	33 U	37 UJ	33 UJ	37 U	36 UJ
SVOC	PHENACETIN	µg/Kg	14 U	13 U	14 U	14 U	13 U	13 U	15 U	13 U	15 U	14 U
SVOC	PHENANTHRENE	µg/Kg	**42** J	**11** J	**10** J	**12** J	**10** J	**7.8** J	**110** J	**9.7** J	**40** J	**36** J
SVOC	PHENOL	µg/Kg	8.1 U	7.6 U	8 U	8 U	7.8 U	7.8 U	8.6 UJ	7.7 UJ	8.7 U	8.3 U
SVOC	PRONAMIDE	µg/Kg	12 U	12 U	12 U	12 U	12 U	12 U	13 U	12 U	13 U	13 U
SVOC	PYRENE	µg/Kg	**28** J	17 U	**27** J	**36** J	**30** J	**18** J	**35** J	17 U	**88** J	**62** J
SVOC	PYRIDINE	µg/Kg	58 U	55 U	57 U	57 U	56 U	56 U	62 UJ	56 UJ	62 U	60 U
SVOC	SAFROLE	µg/Kg	17 U	16 U	16 U	16 U	16 U	16 U	18 U	16 U	18 U	17 U
SVOC	SYM-TRINITROBENZENE	µg/Kg	390 U	370 U	380 U	390 U	370 U	380 U	420 U	370 U	420 U	400 U
VOC	1,1,1,2-TETRACHLOROETHANE	µg/Kg	9.8 U	8 U	8.8 U	9.7 U	8.1 U	8.3 U	12 U	8.3 U	12 U	8.7 U
VOC	1,1,1-TRICHLOROETHANE	µg/Kg	6.9 U	5.6 U	6.1 U	6.8 U	5.6 U	5.8 U	8.5 U	5.8 U	8.1 U	6.1 U
VOC	1,1,2,2-TETRACHLOROETHANE	µg/Kg	10 U	8.2 U	9 U	10 U	8.2 U	8.5 U	12 U	8.5 U	12 U	8.9 U
VOC	1,1,2-TRICHLOROETHANE	µg/Kg	6.4 U	5.2 U	5.7 U	6.3 U	5.2 U	5.4 U	7.9 U	5.4 U	7.5 U	5.6 U
VOC	1,1-DICHLOROETHANE	µg/Kg	8.9 U	7.3 U	7.9 U	8.8 U	7.3 U	7.5 U	11 U	7.5 U	11 U	7.8 U
VOC	1,1-DICHLOROETHENE	µg/Kg	20 U	16 U	18 U	20 U	16 U	17 U	25 U	17 U	24 U	18 U
VOC	1,2,3-TRICHLOROPROPANE	µg/Kg	14 U	11 U	12 U	14 U	11 U	12 U	17 U	12 U	16 U	12 U
VOC	1,2-DIBROMOETHANE (EDB)	µg/Kg	8.4 U	6.9 U	7.5 U	8.3 U	6.9 U	7 U	10 U	7.1 U	9.9 U	7.4 U
VOC	1,2-DICHLOROBENZENE	µg/Kg	59 U	55 U	58 U	58 U	56 U	56 U	62 U	56 U	63 U	60 U
VOC	1,2-DICHLOROETHANE	µg/Kg	6.4 U	5.2 U	5.7 U	6.3 U	5.2 U	5.4 U	7.9 U	5.4 U	7.5 U	5.6 U
VOC	1,2-DICHLOROPROPANE	µg/Kg	6.2 U	5.1 U	5.6 U	6.2 U	5.1 U	5.3 U	7.7 UJ	5.3 UJ	7.4 U	5.5 U
VOC	1,3-DICHLOROBENZENE	µg/Kg	61 U	57 U	60 U	60 U	59 U	59 U	65 U	58 U	65 U	63 U
VOC	1,4-DICHLOROBENZENE	µg/Kg	56 U	52 U	55 U	55 U	53 U	54 U	59 UJ	53 UJ	59 U	57 U
VOC	2-HEXANONE	µg/Kg	46 U	38 U	41 U	46 U	38 U	39 U	57 U	39 U	55 U	41 U

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

TABLE D-2
Additional Chemicals Soil Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

			9496-1	9496-2	9645-1	9645-1-C	9645-2	9645-2-C	9672-1	9672-2	9712-1	9712-2
			MidBlind_9496-1	MidBlind_9496-2	MidBlind_9645-1	MidBlind_9645-1-C	MidBlind_9645-2	MidBlind_9645-2-C	MidBlind_9672-1	MidBlind_9672-2	MidBlind_9712-1	MidBlind_9712-2
			11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	11/13/2006	10/30/2006	10/30/2006	11/13/2006	11/13/2006
		Samp	0-1	1-6	0-1	0-1	1-6	1-6	0-1	1-6	0-1	1-6
		:	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**										
VOC	ACETONE	µg/Kg	21 UJ	17 UJ	19 U	21 U	17 U	18 U	26 UJ	18 UJ	25 UJ	18 UJ
VOC	ACETONITRILE	µg/Kg	250 UJ	210 UJ	230 UJ	250 UJ	210 UJ	210 UJ	310 UJ	210 UJ	300 UJ	220 UJ
VOC	ACROLEIN	µg/Kg	130 U	110 U	120 UJ	130 UJ	110 UJ	110 UJ	160 UJ	110 UJ	160 UJ	120 U
VOC	ACRYLONITRILE	µg/Kg	40 U	33 U	36 U	39 U	**190** J	33 U	49 U	34 U	**560** J	35 U
VOC	ALLYL CHLORIDE (3-CHLOROPROPENE)	µg/Kg	56 U	46 U	50 U	55 U	46 U	47 U	69 U	47 U	66 U	49 U
VOC	BENZENE	µg/Kg	5.8 U	4.8 U	5.2 U	5.8 U	4.8 U	4.9 U	**67** J	4.9 U	6.9 U	5.1 U
VOC	BROMODICHLOROMETHANE	µg/Kg	7.5 U	6.2 U	6.7 U	7.5 U	6.2 U	6.3 U	9.3 U	6.4 U	8.9 U	6.6 U
VOC	BROMOFORM	µg/Kg	9.4 U	7.7 U	8.4 U	9.4 U	7.7 U	7.9 U	12 U	8 U	11 U	8.3 U
VOC	BROMOMETHANE	µg/Kg	84 U	69 U	75 U	83 U	69 U	71 U	100 U	71 U	100 U	74 U
VOC	CARBON DISULFIDE	µg/Kg	6.1 U	5 U	5.4 U	6 U	5 U	5.1 U	7.5 U	5.2 U	7.2 U	5.4 U
VOC	CARBON TETRACHLORIDE	µg/Kg	6.7 U	5.5 U	6 U	6.6 U	5.5 U	5.6 U	8.3 U	5.7 U	7.9 U	5.9 U
VOC	CHLOROBENZENE	µg/Kg	9.2 U	7.5 U	8.2 U	9.1 U	7.6 U	7.8 U	11 U	7.8 U	11 U	8.1 U
VOC	CHLOROETHANE	µg/Kg	34 UJ	28 UJ	30 UJ	34 UJ	28 U	29 UJ	42 U	29 U	40 UJ	30 UJ
VOC	CHLOROFORM	µg/Kg	**29** J	6.4 U	7 U	**35** J	6.5 U	6.6 U	9.7 U	6.7 U	9.3 U	6.9 U
VOC	CHLOROMETHANE	µg/Kg	26 U	21 U	23 U	26 U	21 U	22 U	32 UJ	22 UJ	31 U	23 U
VOC	CHLOROPRENE (2-CHLORO-1,3-BUTADIENE)	µg/Kg	56 U	46 U	50 U	55 U	46 U	47 U	69 U	47 U	66 U	49 U
VOC	CIS-1,3-DICHLOROPROPENE	µg/Kg	6.4 U	5.3 U	5.7 U	6.4 U	5.3 U	5.4 U	7.9 U	5.5 U	7.6 U	5.7 U
VOC	DIBROMOCHLOROMETHANE	µg/Kg	5 U	4.1 U	4.5 U	5 U	4.1 U	4.2 U	6.2 U	4.3 U	6 U	4.4 U
VOC	DIBROMOMETHANE	µg/Kg	8.7 U	7.1 U	7.8 U	8.6 U	7.1 U	7.3 U	11 U	7.4 U	10 U	7.7 U
VOC	DICHLORODIFLUOROMETHANE	µg/Kg	20 UJ	17 UJ	18 U	20 U	17 U	17 U	25 U	17 U	24 U	18 UJ
VOC	ETHYL BENZENE	µg/Kg	12 U	**26** J	10 U	12 U	9.5 U	9.7 U	**230** J	9.8 UJ	14 U	10 U
VOC	ETHYL METHACRYLATE	µg/Kg	56 U	46 U	50 U	55 U	46 U	47 U	69 U	47 U	66 U	49 U
VOC	ISOBUTANOL	µg/Kg	56 UJ	46 UJ	50 UJ	55 UJ	46 UJ	47 UJ	69 UJ	47 UJ	66 UJ	49 UJ
VOC	METHYL ETHYL KETONE (2-BUTANONE)	µg/Kg	17 U	14 U	16 U	17 U	14 U	15 U	22 U	15 U	21 U	15 U
VOC	METHYL IODIDE (IODOMETHANE)	µg/Kg	50 U	41 U	45 U	50 U	41 U	43 U	62 UJ	43 UJ	60 U	45 U
VOC	METHYL ISOBUTYL KETONE (4-METHYL-2-PENTANONE)	µg/Kg	9.6 U	7.9 U	8.6 U	9.6 U	7.9 U	8.1 U	12 U	8.2 U	11 U	8.5 U
VOC	METHYL METHACRYLATE	µg/Kg	56 U	46 U	50 U	55 U	46 U	47 U	69 U	47 U	66 U	49 U
VOC	METHYLACRYLONITRILE	µg/Kg	280 UJ	230 UJ	250 U	280 U	230 U	240 U	340 U	240 U	330 U	250 UJ
VOC	METHYLENE CHLORIDE	µg/Kg	27 U	22 U	24 U	27 U	22 U	23 U	33 U	23 U	32 U	24 U
VOC	PENTOCHLORETHANE	µg/Kg	13 U	13 U	13 U	13 U	13 U	13 U	14 U	13 U	14 U	14 U
VOC	PROPIONITRILE, ETHYL CYANIDE	µg/Kg	56 UJ	46 UJ	50 UJ	55 UJ	46 UJ	47 UJ	69 UJ	47 UJ	66 UJ	49 UJ
VOC	STYRENE	µg/Kg	8.5 U	6.9 U	7.6 U	8.4 U	7 U	7.1 U	11 U	7.2 U	10 U	7.5 U
VOC	TETRACHLOROETHENE (PCE)	µg/Kg	11 U	8.8 U	9.6 U	11 U	8.8 U	9 U	13 U	9.1 U	13 U	9.4 U
VOC	TOLUENE	µg/Kg	31 U	**2000**	27 U	**62**	25 U	26 U	**510**	**68**	**4400**	**1300**
VOC	TRANS-1,2-DICHLOROETHENE	µg/Kg	9.1 U	7.5 U	8.2 U	9.1 U	7.5 U	7.7 U	11 U	7.8 U	11 U	8.1 U
VOC	TRANS-1,3-DICHLOROPROPENE	µg/Kg	7.9 U	6.4 U	7 U	7.8 U	6.5 U	6.6 U	9.7 U	6.7 U	9.3 U	6.9 U
VOC	TRANS-1,4-DICHLORO-2-BUTENE	µg/Kg	40 U	33 U	36 U	40 U	33 U	34 U	50 U	34 U	48 U	36 U
VOC	TRICHLOROETHENE (TCE)	µg/Kg	9.9 U	8.1 U	8.8 U	9.8 U	8.1 U	8.3 U	12 U	8.4 U	12 U	8.7 U
VOC	TRICHLOROFLUOROMETHANE	µg/Kg	14 UJ	12 U	13 U	14 U	12 U	12 U	17 U	12 U	17 U	12 U
VOC	VINYL ACETATE	µg/Kg	55 U	45 U	49 U	54 U	45 U	46 U	67 U	46 U	65 U	48 U
VOC	VINYL CHLORIDE	µg/Kg	20 U	16 U	18 U	19 U	16 U	17 U	24 U	17 U	23 U	17 U
VOC	XYLENES, TOTAL	µg/Kg	32 U	**100** J	29 U	32 U	26 U	27 U	**1500**	**260**	38 U	**32** J

J = Estimated value
U = Undetected
UJ = Undetected; Estimated detection limit
SL = Selected MDEQ Screening Level
Bold = analyte detected; Shaded = analyte exceeds SL

Appendix E
Tentatively Identified Compound Analytical Results

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
1139-1	N	SVOC	10/30/2006	1-Docosene,	155	µg/kg
1139-1	N	SVOC	10/30/2006	Benzeneacetic acid,	227	µg/kg
1139-1	N	SVOC	10/30/2006	Heptadecane, 9-octyl-,	338	µg/kg
1139-1	N	SVOC	10/30/2006	Hexadecanoic acid,	940	µg/kg
1139-1	N	SVOC	10/30/2006	Pentadecanoic acid,	441	µg/kg
1139-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	328	µg/kg
1139-1	N	SVOC	10/30/2006	Unknown, RRT 2.694	276	µg/kg
1139-1	N	SVOC	10/30/2006	Unknown, RRT 7.802	808	µg/kg
1139-1	N	SVOC	10/30/2006	Unknown, RRT 7.903	238	µg/kg
1139-1	N	SVOC	10/30/2006	Unknown, RRT 8.021	218	µg/kg
1139-2	N	SVOC	10/30/2006	1-Hentetracontanol,	163	µg/kg
1139-2	N	SVOC	10/30/2006	Cholesterol,	182	µg/kg
1139-2	N	SVOC	10/30/2006	Pentadecanoic acid,	325	µg/kg
1139-2	N	SVOC	10/30/2006	Unknown, RRT 7.807	588	µg/kg
1139-2	N	SVOC	10/30/2006	Unknown, RRT 8.128	207	µg/kg
1251-1	N	SVOC	11/13/2006	9-Tricosene, (Z)-,	170	µg/kg
1251-1	N	SVOC	11/13/2006	Heptacosane,	697	µg/kg
1251-1	N	SVOC	11/13/2006	Octadecanoic acid,	484	µg/kg
1251-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	1,180	µg/kg
1251-1	N	SVOC	11/13/2006	Unknown, RRT 3.842	261	µg/kg
1251-1	N	SVOC	11/13/2006	Unknown, RRT 4.356	314	µg/kg
1251-1	N	SVOC	11/13/2006	Unknown, RRT 5.244	162	µg/kg
1251-1	N	SVOC	11/13/2006	Unknown, RRT 7.64	3,210	µg/kg
1251-1	N	SVOC	11/13/2006	Unknown, RRT 7.848	1,000	µg/kg
1251-1	N	SVOC	11/13/2006	Unknown, RRT 8.116	263	µg/kg
1251-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	449	µg/kg
1251-2	N	SVOC	11/13/2006	Cholesterol,	412	µg/kg
1251-2	N	SVOC	11/13/2006	Heptadecane,	190	µg/kg
1251-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	238	µg/kg
1251-2	N	SVOC	11/13/2006	Unknown, RRT 2.607	180	µg/kg
1251-2	N	SVOC	11/13/2006	Unknown, RRT 5.549	221	µg/kg
1251-2	N	SVOC	11/13/2006	Unknown, RRT 7.859	658	µg/kg
1438-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	934	µg/kg
1438-1	N	SVOC	11/13/2006	1,4-Naphthalenedione, 5-hydroxy-,	141	µg/kg
1438-1	N	SVOC	11/13/2006	Cholesterol,	583	µg/kg
1438-1	N	SVOC	11/13/2006	Docosane,	190	µg/kg
1438-1	N	SVOC	11/13/2006	Pentadecanoic acid,	273	µg/kg
1438-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	447	µg/kg
1438-1	N	SVOC	11/13/2006	Unknown, RRT 5.554	137	µg/kg
1438-1	N	SVOC	11/13/2006	Unknown, RRT 7.87	464	µg/kg
1438-2	N	SVOC	11/13/2006	Benzene, 1-methoxy-3-methyl-,	227	µg/kg
1438-2	N	SVOC	11/13/2006	Benzeneacetic acid,	209	µg/kg
1438-2	N	SVOC	11/13/2006	Cyclohexadecane,	138	µg/kg
1438-2	N	SVOC	11/13/2006	Heneicosane, 11-pentyl-,	644	µg/kg
1438-2	N	SVOC	11/13/2006	Phytol,	311	µg/kg
1438-2	N	SVOC	11/13/2006	Pregnane-3,11,20,21-tetrol, cyclic 20,21,	1,090	µg/kg
1438-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	478	µg/kg
1438-2	N	SVOC	11/13/2006	Unknown, RRT 3.944	413	µg/kg
1438-2	N	SVOC	11/13/2006	Unknown, RRT 4.11	210	µg/kg
1438-2	N	SVOC	11/13/2006	Unknown, RRT 8.127	363	µg/kg
1517-1	N	SVOC	11/13/2006	Heneicosane,	636	µg/kg
1517-1	N	SVOC	11/13/2006	Octadecanoic acid,	156	µg/kg
1517-1	N	SVOC	11/13/2006	Octadecanoic acid, butyl ester,	393	µg/kg
1517-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	893	µg/kg
1517-1	N	SVOC	11/13/2006	Unknown, RRT 7.041	206	µg/kg
1517-1	N	SVOC	11/13/2006	Unknown, RRT 7.843	880	µg/kg
1517-1	N	SVOC	11/13/2006	Unknown, RRT 8.036	1,590	µg/kg
1517-1-C	N	SVOC	11/13/2006	1-Heneicosyl formate,	291	µg/kg
1517-1-C	N	SVOC	11/13/2006	Docosanoic acid,	168	µg/kg
1517-1-C	N	SVOC	11/13/2006	Hexadecanoic acid,	544	µg/kg
1517-1-C	N	SVOC	11/13/2006	Octadecane,	273	µg/kg
1517-1-C	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	420	µg/kg
1517-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.319	218	µg/kg
1517-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.891	387	µg/kg
1517-1-C	N	SVOC	11/13/2006	Vitamin E,	199	µg/kg
1517-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	762	µg/kg
1517-2	N	SVOC	11/13/2006	2-Pentene, 2,4-dimethyl-,	145	µg/kg
1517-2	N	SVOC	11/13/2006	3-Butenoic acid, 4-phenyl-,	183	µg/kg
1517-2	N	SVOC	11/13/2006	Cyclotetracosane,	237	µg/kg
1517-2	N	SVOC	11/13/2006	Heptadecane, 9-octyl-,	255	µg/kg
1517-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	361	µg/kg
1517-2	N	SVOC	11/13/2006	Unknown, RRT 5.329	164	µg/kg
1517-2	N	SVOC	11/13/2006	Unknown, RRT 7.212	269	µg/kg
1517-2	N	SVOC	11/13/2006	Unknown, RRT 7.891	362	µg/kg
1517-2	N	SVOC	11/13/2006	Unknown, RRT 8.084	563	µg/kg
1517-2-C	N	SVOC	11/13/2006	4,8,12,16-Tetramethylheptadecan-4-olide,	135	µg/kg

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
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Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
1517-2-C	N	SVOC	11/13/2006	Cyclopentadecane,	345	µg/kg
1517-2-C	N	SVOC	11/13/2006	Hexadecanoic acid,	285	µg/kg
1517-2-C	N	SVOC	11/13/2006	Pentacosane,	243	µg/kg
1517-2-C	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	274	µg/kg
1517-2-C	N	SVOC	11/13/2006	Unknown, RRT 6.035	263	µg/kg
1517-2-C	N	SVOC	11/13/2006	Unknown, RRT 7.886	472	µg/kg
1517-2-C	N	SVOC	11/13/2006	Unknown, RRT 8.078	163	µg/kg
1517-2-C	N	SVOC	11/13/2006	Vitamin E,	270	µg/kg
1582-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,230	µg/kg
1582-1	N	SVOC	10/30/2006	1-Hexacosanal,	154	µg/kg
1582-1	N	SVOC	10/30/2006	2-Pentadecanone, 6,10,14-trimethyl-,	219	µg/kg
1582-1	N	SVOC	10/30/2006	Benzeneacetic acid,	152	µg/kg
1582-1	N	SVOC	10/30/2006	Ergost-5-en-3-ol, (3.beta.)-,	361	µg/kg
1582-1	N	SVOC	10/30/2006	Heneicosane,	900	µg/kg
1582-1	N	SVOC	10/30/2006	Heneicosanoic acid,	212	µg/kg
1582-1	N	SVOC	10/30/2006	Heptadecanoic acid,	364	µg/kg
1582-1	N	SVOC	10/30/2006	Oleic Acid,	157	µg/kg
1582-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	731	µg/kg
1582-1-D	FD	SVOC	10/30/2006	12-Octadecenal,	149	µg/kg
1582-1-D	FD	SVOC	10/30/2006	2-Pentadecanone, 6,10,14-trimethyl-,	226	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Ethanol, 2-(hexadecyloxy)-,	475	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Heneicosane,	985	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Heneicosanoic acid,	197	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Hexadecanoic acid,	345	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Pregnane-3,11,20,21-tetrol, cyclic 20,21,	1,460	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Stigmast-4-en-3-one,	652	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Unknown, RRT 7.454	401	µg/kg
1582-1-D	FD	SVOC	10/30/2006	Vitamin E,	334	µg/kg
1582-2	N	SVOC	10/30/2006	.gamma.-Sitosterol,	779	µg/kg
1582-2	N	SVOC	10/30/2006	3-Butenoic acid, 4-phenyl-,	172	µg/kg
1582-2	N	SVOC	10/30/2006	9-Tricosene, (Z)-,	219	µg/kg
1582-2	N	SVOC	10/30/2006	Docosanoic acid,	153	µg/kg
1582-2	N	SVOC	10/30/2006	Ergost-5-en-3-ol, (3.beta.)-,	219	µg/kg
1582-2	N	SVOC	10/30/2006	Ethyl trans-2 decenoate,	141	µg/kg
1582-2	N	SVOC	10/30/2006	Octadecanoic acid,	148	µg/kg
1582-2	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	268	µg/kg
1582-2	N	SVOC	10/30/2006	Tetratriacontane,	459	µg/kg
1582-2	N	SVOC	10/30/2006	Unknown, RRT 7.342	285	µg/kg
2147-1	N	SVOC	10/30/2006	1-Docosene,	491	µg/kg
2147-1	N	SVOC	10/30/2006	Oleic Acid,	367	µg/kg
2147-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	677	µg/kg
2147-1	N	SVOC	10/30/2006	Tetracosane,	313	µg/kg
2147-1	N	SVOC	10/30/2006	Unknown, RRT 3.18	149	µg/kg
2147-1	N	SVOC	10/30/2006	Unknown, RRT 4.865	169	µg/kg
2147-1	N	SVOC	10/30/2006	Unknown, RRT 5.454	299	µg/kg
2147-1	N	SVOC	10/30/2006	Unknown, RRT 7.909	802	µg/kg
2147-1	N	SVOC	10/30/2006	Unknown, RRT 8.032	772	µg/kg
2147-2-D	FD	SVOC	10/30/2006	1-Hentetracontanol,	360	µg/kg
2147-2-D	FD	SVOC	10/30/2006	1-Hentetracontanol,	363	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Cyclotetracosane,	707	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Hexadecanoic acid,	1,030	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Hop-22(29)-en-3.beta.-ol,	767	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Oleic Acid,	633	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Unknown, RRT 3.55	187	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Unknown, RRT 4.213	188	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Unknown, RRT 6.192	224	µg/kg
2147-2-D	FD	SVOC	10/30/2006	Vitamin E,	219	µg/kg
2147-2-M	N	SVOC	10/30/2006	1-Heneicosyl formate,	697	µg/kg
2147-2-M	N	SVOC	10/30/2006	1-Nonadecene,	438	µg/kg
2147-2-M	N	SVOC	10/30/2006	D:C-Friedoolean-8-en-3-one,	526	µg/kg
2147-2-M	N	SVOC	10/30/2006	Ethanol, 2-(hexadecyloxy)-,	366	µg/kg
2147-2-M	N	SVOC	10/30/2006	Heneicosanoic acid,	353	µg/kg
2147-2-M	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	595	µg/kg
2147-2-M	N	SVOC	10/30/2006	Unknown, RRT 4.213	217	µg/kg
2147-2-M	N	SVOC	10/30/2006	Unknown, RRT 7.807	2,160	µg/kg
2147-2-M	N	SVOC	10/30/2006	Unknown, RRT 8.026	815	µg/kg
2147-2-M	N	SVOC	10/30/2006	Vitamin E,	257	µg/kg
2753-1-D	FD	SVOC	10/30/2006	.gamma.-Sitosterol,	1,010	µg/kg
2753-1-D	FD	SVOC	10/30/2006	1-Hexacosanol,	182	µg/kg
2753-1-D	FD	SVOC	10/30/2006	Heneicosane, 11-decyl-,	449	µg/kg
2753-1-D	FD	SVOC	10/30/2006	Oleic Acid,	348	µg/kg
2753-1-D	FD	SVOC	10/30/2006	Stigmast-4-en-3-one,	676	µg/kg
2753-1-D	FD	SVOC	10/30/2006	Unknown, RRT 2.694	196	µg/kg
2753-1-D	FD	SVOC	10/30/2006	Unknown, RRT 7.903	536	µg/kg
2753-1-D	FD	SVOC	10/30/2006	Unknown, RRT 8.021	164	µg/kg
2753-1-M	N	SVOC	10/30/2006	Cholesterol,	235	µg/kg

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
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Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
2753-1-M	N	SVOC	10/30/2006	Cyclohexadecane,	296	µg/kg
2753-1-M	N	SVOC	10/30/2006	Heneicosanoic acid,	201	µg/kg
2753-1-M	N	SVOC	10/30/2006	Heptadecane, 9-octyl-,	606	µg/kg
2753-1-M	N	SVOC	10/30/2006	Octadecanoic acid,	138	µg/kg
2753-1-M	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	927	µg/kg
2753-1-M	N	SVOC	10/30/2006	Tetradecanoic acid,	154	µg/kg
2753-1-M	N	SVOC	10/30/2006	Unknown, RRT 7.593	825	µg/kg
2753-1-M	N	SVOC	10/30/2006	Unknown, RRT 7.919	684	µg/kg
2753-1-M	N	SVOC	10/30/2006	Unknown, RRT 8.026	210	µg/kg
2753-2	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,630	µg/kg
2753-2	N	SVOC	10/30/2006	2-Pentadecanone, 6,10,14-trimethyl-,	191	µg/kg
2753-2	N	SVOC	10/30/2006	Hexadecanoic acid,	771	µg/kg
2753-2	N	SVOC	10/30/2006	Oleic Acid,	270	µg/kg
2753-2	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	1,150	µg/kg
2753-2	N	SVOC	10/30/2006	Tetracosane,	898	µg/kg
2753-2	N	SVOC	10/30/2006	Unknown, RRT 6.266	361	µg/kg
2753-2	N	SVOC	10/30/2006	Unknown, RRT 6.443	291	µg/kg
2753-2	N	SVOC	10/30/2006	Unknown, RRT 7.925	937	µg/kg
2753-2	N	SVOC	10/30/2006	Unknown, RRT 8.026	431	µg/kg
2808-1	N	SVOC	10/30/2006	.alpha.-Amyrin,	760	µg/kg
2808-1	N	SVOC	10/30/2006	2-Pentadecanone, 6,10,14-trimethyl-,	132	µg/kg
2808-1	N	SVOC	10/30/2006	Ethanol, 2-(tetradecyloxy)-,	249	µg/kg
2808-1	N	SVOC	10/30/2006	Heneicosanoic acid,	183	µg/kg
2808-1	N	SVOC	10/30/2006	Octadecanoic acid,	221	µg/kg
2808-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	473	µg/kg
2808-1	N	SVOC	10/30/2006	Unknown, RRT 3.951	133	µg/kg
2808-1	N	SVOC	10/30/2006	Unknown, RRT 7.807	1,350	µg/kg
2808-1	N	SVOC	10/30/2006	Unknown, RRT 7.919	802	µg/kg
2808-1	N	SVOC	10/30/2006	Vitamin E,	198	µg/kg
2808-2	N	SVOC	10/30/2006	.beta.-Sitosterol,	1,550	µg/kg
2808-2	N	SVOC	10/30/2006	2-Pentadecanone, 6,10,14-trimethyl-,	148	µg/kg
2808-2	N	SVOC	10/30/2006	Octadecanoic acid,	175	µg/kg
2808-2	N	SVOC	10/30/2006	Testosterone,	430	µg/kg
2808-2	N	SVOC	10/30/2006	Unknown, RRT 3.116	140	µg/kg
2808-2	N	SVOC	10/30/2006	Unknown, RRT 3.175	132	µg/kg
2808-2	N	SVOC	10/30/2006	Unknown, RRT 7.272	186	µg/kg
2808-2	N	SVOC	10/30/2006	Unknown, RRT 7.336	159	µg/kg
2808-2	N	SVOC	10/30/2006	Unknown, RRT 7.919	454	µg/kg
2808-2	N	SVOC	10/30/2006	Unknown, RRT 8.021	367	µg/kg
2823-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	509	µg/kg
2823-1	N	SVOC	11/13/2006	Eicosane, 9-octyl-,	544	µg/kg
2823-1	N	SVOC	11/13/2006	Nonadecane,	234	µg/kg
2823-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	195	µg/kg
2823-1	N	SVOC	11/13/2006	Unknown, RRT 7.87	578	µg/kg
2823-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	307	µg/kg
2823-2	N	SVOC	11/13/2006	Heneicosane,	182	µg/kg
2823-2	N	SVOC	11/13/2006	Unknown, RRT 5.554	173	µg/kg
2823-2	N	SVOC	11/13/2006	Unknown, RRT 6.137	133	µg/kg
2823-2	N	SVOC	11/13/2006	Unknown, RRT 7.865	287	µg/kg
3374-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,450	µg/kg
3374-1	N	SVOC	10/30/2006	16-Octadecenal,	142	µg/kg
3374-1	N	SVOC	10/30/2006	1-Octadecanethiol,	263	µg/kg
3374-1	N	SVOC	10/30/2006	Docosanoic acid,	137	µg/kg
3374-1	N	SVOC	10/30/2006	Heneicosanoic acid,	315	µg/kg
3374-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	783	µg/kg
3374-1	N	SVOC	10/30/2006	Unknown, RRT 7.347	522	µg/kg
3374-1	N	SVOC	10/30/2006	Unknown, RRT 7.925	387	µg/kg
3374-1	N	SVOC	10/30/2006	Unknown, RRT 8.032	464	µg/kg
3374-2	N	SVOC	10/30/2006	.gamma.-Sitosterol,	634	µg/kg
3374-2	N	SVOC	10/30/2006	1-Heptadecanol,	232	µg/kg
3374-2	N	SVOC	10/30/2006	Unknown, RRT 5.689	152	µg/kg
3374-2	N	SVOC	10/30/2006	Unknown, RRT 6.454	172	µg/kg
3374-2	N	SVOC	10/30/2006	Unknown, RRT 7.347	248	µg/kg
3374-2	N	SVOC	10/30/2006	Unknown, RRT 7.909	242	µg/kg
3374-2	N	SVOC	10/30/2006	Unknown, RRT 8.032	165	µg/kg
3672-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	618	µg/kg
3672-1	N	SVOC	11/13/2006	9-Hexadecenoic acid,	440	µg/kg
3672-1	N	SVOC	11/13/2006	Docosanoic acid,	153	µg/kg
3672-1	N	SVOC	11/13/2006	Phosphonic acid, dioctadecyl ester,	277	µg/kg
3672-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	543	µg/kg
3672-1	N	SVOC	11/13/2006	Unknown, RRT 3.955	275	µg/kg
3672-1	N	SVOC	11/13/2006	Unknown, RRT 4.105	184	µg/kg
3672-1	N	SVOC	11/13/2006	Unknown, RRT 5.554	206	µg/kg
3672-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	559	µg/kg
3672-2	N	SVOC	11/13/2006	Docosanoic acid,	145	µg/kg
3672-2	N	SVOC	11/13/2006	Ethanol, 2-(tetradecyloxy)-,	273	µg/kg

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
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Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
3672-2	N	SVOC	11/13/2006	Octadecane,	222	µg/kg
3672-2	N	SVOC	11/13/2006	Pentadecanoic acid,	178	µg/kg
3672-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	319	µg/kg
3672-2	N	SVOC	11/13/2006	Unknown, RRT 4.522	181	µg/kg
3672-2	N	SVOC	11/13/2006	Unknown, RRT 5.238	214	µg/kg
3672-2	N	SVOC	11/13/2006	Unknown, RRT 5.559	304	µg/kg
3672-2	N	SVOC	11/13/2006	Unknown, RRT 7.87	350	µg/kg
4460-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,740	µg/kg
4460-1	N	SVOC	10/30/2006	1-Docosene,	342	µg/kg
4460-1	N	SVOC	10/30/2006	2-Pentadecanone, 6,10,14-trimethyl-,	137	µg/kg
4460-1	N	SVOC	10/30/2006	Docosane, 9-butyl-,	1,470	µg/kg
4460-1	N	SVOC	10/30/2006	Docosanoic acid,	352	µg/kg
4460-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	885	µg/kg
4460-1	N	SVOC	10/30/2006	Unknown, RRT 5.368	231	µg/kg
4460-1	N	SVOC	10/30/2006	Unknown, RRT 6.956	151	µg/kg
4460-1	N	SVOC	10/30/2006	Unknown, RRT 7.935	1,170	µg/kg
4460-1	N	SVOC	10/30/2006	Vitamin E,	302	µg/kg
4460-2	N	SVOC	10/30/2006	1-Docosene,	490	µg/kg
4460-2	N	SVOC	10/30/2006	Octadecanoic acid,	152	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 4.491	156	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 5.373	303	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 7.347	326	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 7.818	1,380	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 7.876	332	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 7.935	837	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 8.037	431	µg/kg
4460-2	N	SVOC	10/30/2006	Unknown, RRT 8.123	606	µg/kg
4507-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	953	µg/kg
4507-1	N	SVOC	11/13/2006	Ergost-7-en-3-ol, (3.beta.)-,	258	µg/kg
4507-1	N	SVOC	11/13/2006	Ethanol, 2-(hexadecyloxy)-,	185	µg/kg
4507-1	N	SVOC	11/13/2006	Heptadecane, 9-octyl-,	341	µg/kg
4507-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	521	µg/kg
4507-1	N	SVOC	11/13/2006	Unknown, RRT 7.191	208	µg/kg
4507-1	N	SVOC	11/13/2006	Unknown, RRT 7.811	169	µg/kg
4507-1	N	SVOC	11/13/2006	Unknown, RRT 7.87	246	µg/kg
4507-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	608	µg/kg
4507-2	N	SVOC	11/13/2006	2-Hexyl-1-decanol,	142	µg/kg
4507-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	310	µg/kg
4507-2	N	SVOC	11/13/2006	Unknown, RRT 7.965	309	µg/kg
4507-2	N	SVOC	11/13/2006	Vitamin E,	168	µg/kg
4528-1	N	SVOC	11/13/2006	.beta.-Sitosterol,	1,940	µg/kg
4528-1	N	SVOC	11/13/2006	1-Pentadecene,	411	µg/kg
4528-1	N	SVOC	11/13/2006	Eicosane,	344	µg/kg
4528-1	N	SVOC	11/13/2006	Hexadecanoic acid,	310	µg/kg
4528-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	684	µg/kg
4528-1	N	SVOC	11/13/2006	Unknown, RRT 4.8	152	µg/kg
4528-1	N	SVOC	11/13/2006	Unknown, RRT 5.559	188	µg/kg
4528-1	N	SVOC	11/13/2006	Unknown, RRT 7.768	1,070	µg/kg
4528-1	N	SVOC	11/13/2006	Unknown, RRT 7.848	1,690	µg/kg
4528-1	N	SVOC	11/13/2006	Unknown, RRT 8.068	2,110	µg/kg
4528-2	N	SVOC	11/13/2006	.beta.-Sitosterol,	679	µg/kg
4528-2	N	SVOC	11/13/2006	Heneicosane,	160	µg/kg
4528-2	N	SVOC	11/13/2006	Unknown, RRT 5.319	322	µg/kg
4528-2	N	SVOC	11/13/2006	Unknown, RRT 5.554	448	µg/kg
4528-2	N	SVOC	11/13/2006	Unknown, RRT 7.843	601	µg/kg
4528-2	N	SVOC	11/13/2006	Unknown, RRT 7.956	269	µg/kg
4528-2	N	SVOC	11/13/2006	Unknown, RRT 8.057	499	µg/kg
4995-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,170	µg/kg
4995-1	N	SVOC	10/30/2006	Anthracene, 2-methyl-,	549	µg/kg
4995-1	N	SVOC	10/30/2006	Docosanoic acid,	194	µg/kg
4995-1	N	SVOC	10/30/2006	Heneicosane,	338	µg/kg
4995-1	N	SVOC	10/30/2006	Hexadecanoic acid,	261	µg/kg
4995-1	N	SVOC	10/30/2006	Phenanthrene, 2,5-dimethyl-,	146	µg/kg
4995-1	N	SVOC	10/30/2006	Pyrene, 2-methyl-,	257	µg/kg
4995-1	N	SVOC	10/30/2006	Unknown, RRT 7.347	232	µg/kg
4995-1	N	SVOC	10/30/2006	Unknown, RRT 7.93	475	µg/kg
4995-1	N	SVOC	10/30/2006	Unknown, RRT 8.123	464	µg/kg
4995-2	N	SVOC	10/30/2006	.gamma.-Sitosterol,	939	µg/kg
4995-2	N	SVOC	10/30/2006	Benzo[k]fluoranthene,	171	µg/kg
4995-2	N	SVOC	10/30/2006	Stigmasterol,	197	µg/kg
4995-2	N	SVOC	10/30/2006	Unknown, RRT 2.945	216	µg/kg
4995-2	N	SVOC	10/30/2006	Unknown, RRT 4.443	208	µg/kg
4995-2	N	SVOC	10/30/2006	Unknown, RRT 7.352	242	µg/kg
4995-2	N	SVOC	10/30/2006	Unknown, RRT 7.935	591	µg/kg
5338-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,300	µg/kg
5338-1	N	SVOC	10/30/2006	Heptadecane, 9-octyl-,	643	µg/kg

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
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Midland Area Soils

Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
5338-1	N	SVOC	10/30/2006	Hexadecanoic acid,	299	µg/kg
5338-1	N	SVOC	10/30/2006	Pentadecanoic acid,	140	µg/kg
5338-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	615	µg/kg
5338-1	N	SVOC	10/30/2006	Unknown, RRT 6.277	134	µg/kg
5338-1	N	SVOC	10/30/2006	Unknown, RRT 6.454	172	µg/kg
5338-2	N	SVOC	10/30/2006	1-Docosanol, acetate,	183	µg/kg
5338-2	N	SVOC	10/30/2006	Oleic Acid,	639	µg/kg
5338-2	N	SVOC	10/30/2006	Unknown, RRT 6.454	136	µg/kg
5338-2	N	SVOC	10/30/2006	Unknown, RRT 7.818	628	µg/kg
5338-2	N	SVOC	10/30/2006	Unknown, RRT 8.032	142	µg/kg
5583-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	794	µg/kg
5583-1	N	SVOC	11/13/2006	Hexatriacontane,	326	µg/kg
5583-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	426	µg/kg
5583-1	N	SVOC	11/13/2006	Unknown, RRT 3.955	140	µg/kg
5583-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	554	µg/kg
5620-1	N	SVOC	11/13/2006	1-Heptadecene,	385	µg/kg
5620-1	N	SVOC	11/13/2006	9,10-Anthracenedione,	167	µg/kg
5620-1	N	SVOC	11/13/2006	Benzene, 1-ethyl-2-methyl-,	255	µg/kg
5620-1	N	SVOC	11/13/2006	Octadecanoic acid,	304	µg/kg
5620-1	N	SVOC	11/13/2006	Octadecanoic acid, butyl ester,	2,820	µg/kg
5620-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	1,250	µg/kg
5620-1	N	SVOC	11/13/2006	Tetratriacontane,	527	µg/kg
5620-1	N	SVOC	11/13/2006	Unknown, RRT 4.083	350	µg/kg
5620-1	N	SVOC	11/13/2006	Unknown, RRT 7.635	3,340	µg/kg
5620-1	N	SVOC	11/13/2006	Unknown, RRT 7.848	1,080	µg/kg
5620-1-C	N	SVOC	11/13/2006	.gamma.-Sitosterol,	2,800	µg/kg
5620-1-C	N	SVOC	11/13/2006	Octadecanoic acid, butyl ester,	185	µg/kg
5620-1-C	N	SVOC	11/13/2006	Testosterone,	978	µg/kg
5620-1-C	N	SVOC	11/13/2006	Unknown, RRT 2.832	133	µg/kg
5620-1-C	N	SVOC	11/13/2006	Unknown, RRT 6.79	187	µg/kg
5620-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.046	329	µg/kg
5620-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.849	1,050	µg/kg
5620-1-C	N	SVOC	11/13/2006	Unknown, RRT 8.036	241	µg/kg
5620-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	2,170	µg/kg
5620-2	N	SVOC	11/13/2006	Docosanoic acid,	218	µg/kg
5620-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	580	µg/kg
5620-2	N	SVOC	11/13/2006	Unknown, RRT 4.083	166	µg/kg
5620-2	N	SVOC	11/13/2006	Unknown, RRT 5.869	178	µg/kg
5620-2	N	SVOC	11/13/2006	Unknown, RRT 6.292	323	µg/kg
5620-2	N	SVOC	11/13/2006	Unknown, RRT 7.041	351	µg/kg
5620-2	N	SVOC	11/13/2006	Unknown, RRT 7.843	630	µg/kg
5620-2-C	N	SVOC	11/13/2006	Cyclopentane, (4-octyldodecyl)-,	404	µg/kg
5620-2-C	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	741	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 2.832	185	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 3.179	149	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 5.238	165	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 5.8	181	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 5.87	574	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 6.939	500	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 7.843	747	µg/kg
5620-2-C	N	SVOC	11/13/2006	Unknown, RRT 8.036	387	µg/kg
5685-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	543	µg/kg
5685-1	N	SVOC	11/13/2006	Benzene, 1,3-diethyl-,	224	µg/kg
5685-1	N	SVOC	11/13/2006	Benzene, 1,4-diethyl-,	193	µg/kg
5685-1	N	SVOC	11/13/2006	Docosane,	183	µg/kg
5685-1	N	SVOC	11/13/2006	Hexadecanoic acid,	245	µg/kg
5685-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	291	µg/kg
5685-1	N	SVOC	11/13/2006	Unknown, RRT 5.565	204	µg/kg
5685-1	N	SVOC	11/13/2006	Unknown, RRT 5.821	324	µg/kg
5685-1	N	SVOC	11/13/2006	Unknown, RRT 7.207	158	µg/kg
5685-2	N	SVOC	11/13/2006	1,3,5,7-Cyclooctatetraene,	147	µg/kg
5685-2	N	SVOC	11/13/2006	Benzene, 1,2-diethyl-,	153	µg/kg
5685-2	N	SVOC	11/13/2006	Benzene, 1,3-diethyl-,	147	µg/kg
5685-2	N	SVOC	11/13/2006	Testosterone,	322	µg/kg
5685-2	N	SVOC	11/13/2006	Unknown, RRT 5.554	208	µg/kg
5685-2	N	SVOC	11/13/2006	Unknown, RRT 5.811	336	µg/kg
574-1	N	SVOC	11/13/2006	1,3,5,7-Cyclooctatetraene,	236	µg/kg
574-1	N	SVOC	11/13/2006	7-Heptadecene, 17-chloro-,	279	µg/kg
574-1	N	SVOC	11/13/2006	Ethylbenzene,	163	µg/kg
574-1	N	SVOC	11/13/2006	Heneicosane, 11-decyl-,	461	µg/kg
574-1	N	SVOC	11/13/2006	Hexadecanoic acid, methyl ester,	212	µg/kg
574-1	N	SVOC	11/13/2006	Octadecane, 1-[2-(hexadecyloxy)ethoxy]-,	164	µg/kg
574-1	N	SVOC	11/13/2006	Octadecanoic acid, methyl ester,	805	µg/kg
574-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	900	µg/kg
574-1	N	SVOC	11/13/2006	Unknown, RRT 7.18	255	µg/kg
574-1	N	SVOC	11/13/2006	Unknown, RRT 7.645	1,000	µg/kg

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
574-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	487	µg/kg
574-2	N	SVOC	11/13/2006	1,3,5,7-Cyclooctatetraene,	279	µg/kg
574-2	N	SVOC	11/13/2006	Docosane, 9-butyl-,	192	µg/kg
574-2	N	SVOC	11/13/2006	Hexadecanoic acid, methyl ester,	189	µg/kg
574-2	N	SVOC	11/13/2006	Octadecanoic acid, methyl ester,	189	µg/kg
574-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	410	µg/kg
574-2	N	SVOC	11/13/2006	Unknown, RRT 3.222	139	µg/kg
6676-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,040	µg/kg
6676-1	N	SVOC	10/30/2006	Docosanoic acid,	269	µg/kg
6676-1	N	SVOC	10/30/2006	Ethanol, 2-(hexadecyloxy)-,	360	µg/kg
6676-1	N	SVOC	10/30/2006	Heneicosane, 11-decyl-,	442	µg/kg
6676-1	N	SVOC	10/30/2006	Hexadecanoic acid,	565	µg/kg
6676-1	N	SVOC	10/30/2006	Octadecanoic acid,	232	µg/kg
6676-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	354	µg/kg
6676-1	N	SVOC	10/30/2006	Unknown, RRT 4.94	292	µg/kg
6676-1	N	SVOC	10/30/2006	Unknown, RRT 6.192	135	µg/kg
6676-1	N	SVOC	10/30/2006	Unknown, RRT 7.925	318	µg/kg
6676-2-D	FD	SVOC	10/30/2006	17-Pentatriacontene,	191	µg/kg
6676-2-D	FD	SVOC	10/30/2006	Eicosane, 10-methyl-,	254	µg/kg
6676-2-D	FD	SVOC	10/30/2006	Pentadecanoic acid,	135	µg/kg
6676-2-D	FD	SVOC	10/30/2006	Stigmast-4-en-3-one,	164	µg/kg
6676-2-D	FD	SVOC	10/30/2006	Unknown, RRT 4.945	176	µg/kg
6676-2-D	FD	SVOC	10/30/2006	Unknown, RRT 7.919	177	µg/kg
6676-2-D	FD	SVOC	10/30/2006	Unknown, RRT 8.026	184	µg/kg
6676-2-M	N	SVOC	10/30/2006	.gamma.-Sitosterol,	834	µg/kg
6676-2-M	N	SVOC	10/30/2006	1-Hentetracontanol,	233	µg/kg
6676-2-M	N	SVOC	10/30/2006	Hexadecanoic acid,	142	µg/kg
6676-2-M	N	SVOC	10/30/2006	Undecane 5-cyclohexyl-, 5-cyclohexyl-,	693	µg/kg
6676-2-M	N	SVOC	10/30/2006	Unknown, RRT 7.93	228	µg/kg
6676-2-M	N	SVOC	10/30/2006	Unknown, RRT 8.026	304	µg/kg
6960-1	N	SVOC	11/13/2006	Ethanol, 2-(hexadecyloxy)-,	217	µg/kg
6960-1	N	SVOC	11/13/2006	Octadecanoic acid,	171	µg/kg
6960-1	N	SVOC	11/13/2006	Pentadecanoic acid,	259	µg/kg
6960-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	934	µg/kg
6960-1	N	SVOC	11/13/2006	Unknown, RRT 5.196	360	µg/kg
6960-1	N	SVOC	11/13/2006	Unknown, RRT 5.292	197	µg/kg
6960-1	N	SVOC	11/13/2006	Unknown, RRT 7.164	963	µg/kg
6960-1	N	SVOC	11/13/2006	Unknown, RRT 8.073	391	µg/kg
6960-1-C	N	SVOC	11/13/2006	17-Octadecenal,	159	µg/kg
6960-1-C	N	SVOC	11/13/2006	1-Eicosanol,	267	µg/kg
6960-1-C	N	SVOC	11/13/2006	Docosane,	978	µg/kg
6960-1-C	N	SVOC	11/13/2006	Octadecanoic acid,	225	µg/kg
6960-1-C	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	1,870	µg/kg
6960-1-C	N	SVOC	11/13/2006	Unknown, RRT 6.292	248	µg/kg
6960-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.635	3,200	µg/kg
6960-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.848	620	µg/kg
6960-1-C	N	SVOC	11/13/2006	Vitamin E,	743	µg/kg
6960-2	N	SVOC	11/13/2006	4,8,12,16-Tetramethylheptadecan-4-olide,	134	µg/kg
6960-2	N	SVOC	11/13/2006	Docosane,	533	µg/kg
6960-2	N	SVOC	11/13/2006	Docosanoic acid,	189	µg/kg
6960-2	N	SVOC	11/13/2006	Octadecanoic acid,	157	µg/kg
6960-2	N	SVOC	11/13/2006	Octadecanoic acid,	211	µg/kg
6960-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	634	µg/kg
6960-2	N	SVOC	11/13/2006	Unknown, RRT 2.596	242	µg/kg
6960-2	N	SVOC	11/13/2006	Unknown, RRT 7.169	488	µg/kg
6960-2	N	SVOC	11/13/2006	Unknown, RRT 8.1	485	µg/kg
6960-2-C	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	198	µg/kg
706-1	N	SVOC	11/13/2006	a'-Neogammacer-22(29)-en-3-ol, (3.beta.,,	747	µg/kg
706-1	N	SVOC	11/13/2006	Benzo[e]pyrene,	134	µg/kg
706-1	N	SVOC	11/13/2006	Unknown, RRT 7.645	945	µg/kg
706-1	N	SVOC	11/13/2006	Unknown, RRT 7.79	415	µg/kg
706-1	N	SVOC	11/13/2006	Unknown, RRT 7.865	550	µg/kg
706-1	N	SVOC	11/13/2006	Unknown, RRT 8.02	214	µg/kg
706-1-C	N	SVOC	11/13/2006	9,10-Anthracenedione,	562	µg/kg
706-1-C	N	SVOC	11/13/2006	Perylene,	592	µg/kg
706-1-C	N	SVOC	11/13/2006	Unknown, RRT 4.297	2,150	µg/kg
706-1-C	N	SVOC	11/13/2006	Unknown, RRT 5.549	523	µg/kg
706-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.485	842	µg/kg
706-2-C	N	SVOC	11/13/2006	Benzo[e]pyrene,	201	µg/kg
706-2-C	N	SVOC	11/13/2006	Unknown, RRT 3.008	390	µg/kg
706-2-C	N	SVOC	11/13/2006	Unknown, RRT 4.297	1,010	µg/kg
706-2-C	N	SVOC	11/13/2006	Unknown, RRT 5.244	304	µg/kg
706-2-C	N	SVOC	11/13/2006	Unknown, RRT 5.549	250	µg/kg
7500-1	N	SVOC	11/13/2006	3-Eicosene, (E)-,	180	µg/kg
7500-1	N	SVOC	11/13/2006	Tetratriacontane,	284	µg/kg
7500-1	N	SVOC	11/13/2006	Unknown, RRT 3.179	328	µg/kg

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Tentatively Identified Compounds (TICs) Analytical Results
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Midland Area Soils

Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
7500-1	N	SVOC	11/13/2006	Unknown, RRT 5.319	225	µg/kg
7500-1	N	SVOC	11/13/2006	Unknown, RRT 5.554	417	µg/kg
7500-1	N	SVOC	11/13/2006	Unknown, RRT 7.87	170	µg/kg
7500-1	N	SVOC	11/13/2006	Vitamin E,	140	µg/kg
7500-2	N	SVOC	11/13/2006	Hexadecanoic acid,	464	µg/kg
7500-2	N	SVOC	11/13/2006	Pentadecane,	200	µg/kg
7500-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	226	µg/kg
7500-2	N	SVOC	11/13/2006	Unknown, RRT 4.522	276	µg/kg
7500-2	N	SVOC	11/13/2006	Unknown, RRT 5.319	189	µg/kg
7500-2	N	SVOC	11/13/2006	Unknown, RRT 7.87	222	µg/kg
7500-2	N	SVOC	11/13/2006	Vitamin E,	268	µg/kg
7530-1	N	SVOC	10/30/2006	17-Pentatriacontene,	185	µg/kg
7530-1	N	SVOC	10/30/2006	Unknown, RRT 3.18	174	µg/kg
7530-1	N	SVOC	10/30/2006	Unknown, RRT 4.213	148	µg/kg
7530-1	N	SVOC	10/30/2006	Unknown, RRT 7.272	162	µg/kg
7530-1-D	N	SVOC	10/30/2006	17-Pentatriacontene,	241	µg/kg
7530-1-D	N	SVOC	10/30/2006	1-Hentetracontanol,	190	µg/kg
7530-1-D	N	SVOC	10/30/2006	Hexadecanoic acid,	181	µg/kg
7530-1-D	N	SVOC	10/30/2006	Octadecane, 1-chloro-,	197	µg/kg
7530-1-D	N	SVOC	10/30/2006	Octadecanoic acid,	291	µg/kg
7530-1-D	N	SVOC	10/30/2006	Unknown, RRT 4.491	156	µg/kg
7530-1-D	N	SVOC	10/30/2006	Unknown, RRT 6.454	233	µg/kg
7530-1-D	N	SVOC	10/30/2006	Unknown, RRT 8.026	326	µg/kg
7530-2	N	SVOC	10/30/2006	.gamma.-Sitosterol,	450	µg/kg
7530-2	N	SVOC	10/30/2006	Cyclooctacosane,	286	µg/kg
7530-2	N	SVOC	10/30/2006	Cyclotetracosane,	171	µg/kg
7530-2	N	SVOC	10/30/2006	Stigmasterol,	196	µg/kg
7530-2	N	SVOC	10/30/2006	Unknown, RRT 3.18	140	µg/kg
7530-2	N	SVOC	10/30/2006	Unknown, RRT 4.945	137	µg/kg
7530-2	N	SVOC	10/30/2006	Unknown, RRT 8.106	137	µg/kg
7734-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	1,230	µg/kg
7734-1	N	SVOC	11/13/2006	Heneicosane, 11-(1-ethylpropyl)-,	484	µg/kg
7734-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	791	µg/kg
7734-1	N	SVOC	11/13/2006	Unknown, RRT 6.292	178	µg/kg
7734-1	N	SVOC	11/13/2006	Unknown, RRT 6.795	252	µg/kg
7734-1	N	SVOC	11/13/2006	Unknown, RRT 7.843	264	µg/kg
7734-2	N	SVOC	11/13/2006	Docosane,	207	µg/kg
7734-2	N	SVOC	11/13/2006	Heneicosane,	207	µg/kg
8046-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	776	µg/kg
8046-1	N	SVOC	10/30/2006	14-Pentadecenoic acid,	226	µg/kg
8046-1	N	SVOC	10/30/2006	Ethanol, 2-(tetradecyloxy)-,	134	µg/kg
8046-1	N	SVOC	10/30/2006	Hexadecanoic acid,	319	µg/kg
8046-1	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	134	µg/kg
8046-1	N	SVOC	10/30/2006	Unknown, RRT 1.442	146	µg/kg
8046-1	N	SVOC	10/30/2006	Unknown, RRT 5.94	138	µg/kg
8046-1	N	SVOC	10/30/2006	Unknown, RRT 7.919	315	µg/kg
8046-2	N	SVOC	10/30/2006	Pentadecanoic acid,	204	µg/kg
8046-2	N	SVOC	10/30/2006	Tetratriacontane,	175	µg/kg
8196-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,590	µg/kg
8196-1	N	SVOC	10/30/2006	Ergost-5-en-3-ol, (3.beta.)-,	559	µg/kg
8196-1	N	SVOC	10/30/2006	Testosterone,	527	µg/kg
8196-1	N	SVOC	10/30/2006	Unknown, RRT 4.94	477	µg/kg
8196-1	N	SVOC	10/30/2006	Unknown, RRT 5.94	846	µg/kg
8196-1	N	SVOC	10/30/2006	Unknown, RRT 6.272	194	µg/kg
8196-1	N	SVOC	10/30/2006	Unknown, RRT 7.342	386	µg/kg
8196-1	N	SVOC	10/30/2006	Unknown, RRT 7.908	516	µg/kg
8196-2	N	SVOC	10/30/2006	1,3,5,7-Cyclooctatetraene,	159	µg/kg
8196-2	N	SVOC	10/30/2006	Hexadecanoic acid,	460	µg/kg
8196-2	N	SVOC	10/30/2006	Unknown, RRT 4.94	169	µg/kg
8196-2	N	SVOC	10/30/2006	Unknown, RRT 5.94	410	µg/kg
8196-2	N	SVOC	10/30/2006	Unknown, RRT 7.903	143	µg/kg
8282-1	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,580	µg/kg
8282-1	N	SVOC	10/30/2006	Cyclooctacosane,	395	µg/kg
8282-1	N	SVOC	10/30/2006	Hexadecanoic acid,	213	µg/kg
8282-1	N	SVOC	10/30/2006	Oleic Acid,	256	µg/kg
8282-1	N	SVOC	10/30/2006	Tritetracontane,	218	µg/kg
8282-1	N	SVOC	10/30/2006	Unknown, RRT 7.347	1,280	µg/kg
8282-1	N	SVOC	10/30/2006	Unknown, RRT 7.614	214	µg/kg
8282-1	N	SVOC	10/30/2006	Unknown, RRT 7.93	210	µg/kg
8282-1	N	SVOC	10/30/2006	Unknown, RRT 8.117	779	µg/kg
8282-2	N	SVOC	10/30/2006	.gamma.-Sitosterol,	1,410	µg/kg
8282-2	N	SVOC	10/30/2006	1-Heneicosyl formate,	253	µg/kg
8282-2	N	SVOC	10/30/2006	Cholesterol,	955	µg/kg
8282-2	N	SVOC	10/30/2006	Cyclohexadecane,	395	µg/kg
8282-2	N	SVOC	10/30/2006	Hexadecanoic acid,	280	µg/kg
8282-2	N	SVOC	10/30/2006	Oleic Acid,	350	µg/kg

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
Data Evaluation Report in Support of Bioavailability Study
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Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
8282-2	N	SVOC	10/30/2006	Stigmast-4-en-3-one,	525	µg/kg
8282-2	N	SVOC	10/30/2006	Unknown, RRT 4.469	289	µg/kg
8282-2	N	SVOC	10/30/2006	Unknown, RRT 7.925	271	µg/kg
8282-2	N	SVOC	10/30/2006	Urs-12-en-24-oic acid, 3-oxo-, methyl es,	140	µg/kg
8314-1	N	SVOC	11/13/2006	Heptadecane,	223	µg/kg
8314-1	N	SVOC	11/13/2006	Testosterone,	493	µg/kg
8314-1	N	SVOC	11/13/2006	Unknown, RRT 4.104	159	µg/kg
8314-1	N	SVOC	11/13/2006	Unknown, RRT 4.329	141	µg/kg
8314-1	N	SVOC	11/13/2006	Unknown, RRT 4.372	340	µg/kg
8314-1	N	SVOC	11/13/2006	Unknown, RRT 4.778	328	µg/kg
8314-2	N	SVOC	11/13/2006	Unknown, RRT 2.928	134	µg/kg
8314-2	N	SVOC	11/13/2006	Unknown, RRT 4.377	388	µg/kg
876-1	N	SVOC	11/13/2006	1,1'-Biphenyl, 2-phenoxy-,	199	µg/kg
876-1	N	SVOC	11/13/2006	Docosane,	132	µg/kg
876-1	N	SVOC	11/13/2006	Unknown, RRT 4.361	168	µg/kg
876-1	N	SVOC	11/13/2006	Unknown, RRT 7.458	161	µg/kg
876-1	N	SVOC	11/13/2006	Unknown, RRT 7.945	209	µg/kg
876-2	N	SVOC	11/13/2006	1,1'-Biphenyl, 2-phenoxy-,	312	µg/kg
876-2	N	SVOC	11/13/2006	3-Penten-2-one, 4-methyl-,	138	µg/kg
876-2	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	158	µg/kg
876-2	N	SVOC	11/13/2006	Styrene,	208	µg/kg
876-2	N	SVOC	11/13/2006	Tetracosane,	137	µg/kg
876-2	N	SVOC	11/13/2006	Unknown, RRT 5.554	156	µg/kg
876-2	N	SVOC	11/13/2006	Unknown, RRT 5.811	204	µg/kg
9386-1	N	SVOC	10/30/2006	2,4-Diphenyl-4-methyl-2(E)-pentene,	244	µg/kg
9386-1	N	SVOC	10/30/2006	Benzene, (1-methylethyl)-,	277	µg/kg
9386-1	N	SVOC	10/30/2006	Benzene, 1,3-diethyl-,	473	µg/kg
9386-1	N	SVOC	10/30/2006	Benzene, propyl-,	160	µg/kg
9386-1	N	SVOC	10/30/2006	Heneicosane,	654	µg/kg
9386-1	N	SVOC	10/30/2006	Unknown, RRT 3.806	142	µg/kg
9386-1	N	SVOC	10/30/2006	Unknown, RRT 4.491	312	µg/kg
9386-1	N	SVOC	10/30/2006	Unknown, RRT 7.347	459	µg/kg
9386-1	N	SVOC	10/30/2006	Unknown, RRT 7.812	1,300	µg/kg
9386-1	N	SVOC	10/30/2006	Unknown, RRT 7.925	300	µg/kg
9386-2	N	SVOC	10/30/2006	Benzene, (1-methylethyl)-,	208	µg/kg
9386-2	N	SVOC	10/30/2006	Benzene, 1,2-diethyl-,	467	µg/kg
9386-2	N	SVOC	10/30/2006	Benzene, 1-ethyl-2-methyl-,	411	µg/kg
9386-2	N	SVOC	10/30/2006	Butylated Hydroxytoluene,	369	µg/kg
9386-2	N	SVOC	10/30/2006	Octadecanoic acid,	187	µg/kg
9386-2	N	SVOC	10/30/2006	Styrene,	389	µg/kg
9386-2	N	SVOC	10/30/2006	Unknown, RRT 2.464	141	µg/kg
9386-2	N	SVOC	10/30/2006	Unknown, RRT 3.346	276	µg/kg
9386-2	N	SVOC	10/30/2006	Unknown, RRT 5.94	3,730	µg/kg
9496-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	274	µg/kg
9496-1	N	SVOC	11/13/2006	Unknown, RRT 7.64	535	µg/kg
9496-2	N	SVOC	11/13/2006	Ergost-5-en-3-ol, (3.beta.)-,	310	µg/kg
9496-2	N	SVOC	11/13/2006	Oleic Acid,	347	µg/kg
9496-2	N	SVOC	11/13/2006	Unknown, RRT 7.121	142	µg/kg
9496-2	N	SVOC	11/13/2006	Unknown, RRT 7.961	303	µg/kg
9645-1	N	SVOC	11/13/2006	.gamma.-Sitosterol,	786	µg/kg
9645-1	N	SVOC	11/13/2006	1-Octadecanol,	400	µg/kg
9645-1	N	SVOC	11/13/2006	Cholesterol,	202	µg/kg
9645-1	N	SVOC	11/13/2006	Hexadecanoic acid,	328	µg/kg
9645-1	N	SVOC	11/13/2006	Octadecane,	251	µg/kg
9645-1	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	432	µg/kg
9645-1	N	SVOC	11/13/2006	Unknown, RRT 7.314	150	µg/kg
9645-1	N	SVOC	11/13/2006	Unknown, RRT 7.886	274	µg/kg
9645-1-C	N	SVOC	11/13/2006	.gamma.-Sitosterol,	861	µg/kg
9645-1-C	N	SVOC	11/13/2006	Heneicosane, 11-(1-ethylpropyl)-,	174	µg/kg
9645-1-C	N	SVOC	11/13/2006	Hexadecanoic acid,	163	µg/kg
9645-1-C	N	SVOC	11/13/2006	Octadecanoic acid, butyl ester,	172	µg/kg
9645-1-C	N	SVOC	11/13/2006	Stigmast-4-en-3-one,	418	µg/kg
9645-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.212	169	µg/kg
9645-1-C	N	SVOC	11/13/2006	Unknown, RRT 7.886	194	µg/kg
9645-2	N	SVOC	11/13/2006	1-Dotriacontanol,	141	µg/kg
9645-2	N	SVOC	11/13/2006	Unknown, RRT 7.201	136	µg/kg
9645-2	N	SVOC	11/13/2006	Unknown, RRT 7.667	752	µg/kg
9645-2	N	SVOC	11/13/2006	Unknown, RRT 7.881	226	µg/kg
9645-2	N	SVOC	11/13/2006	Unknown, RRT 7.966	184	µg/kg
9672-1	N	SVOC	10/30/2006	Benzene, 1,2,3-trimethyl-,	177	µg/kg
9672-1	N	SVOC	10/30/2006	Hexadecanoic acid,	390	µg/kg
9672-1	N	SVOC	10/30/2006	Naphthalene, 1,4,5-trimethyl-,	153	µg/kg
9672-1	N	SVOC	10/30/2006	Naphthalene, 2,3-dimethyl-,	245	µg/kg
9672-1	N	SVOC	10/30/2006	Taraxerol,	168	µg/kg
9672-1	N	SVOC	10/30/2006	Unknown, RRT 4.935	141	µg/kg
9672-1	N	SVOC	10/30/2006	Unknown, RRT 5.175	187	µg/kg

TABLE E-1
Tentatively Identified Compounds (TICs) Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

Sample ID	Sample Type	Chemical Group[a]	SampleDate	Analyte	Result[b]	Units
9672-2	N	SVOC	10/30/2006	Hexadecanoic acid,	193	µg/kg
9672-2	N	SVOC	10/30/2006	Unknown, RRT 2.694	187	µg/kg
9712-1	N	SVOC	11/13/2006	Heneicosane,	227	µg/kg
9712-1	N	SVOC	11/13/2006	Unknown, RRT 3.179	134	µg/kg
9712-1	N	SVOC	11/13/2006	Unknown, RRT 7.191	133	µg/kg
9712-1	N	SVOC	11/13/2006	Unknown, RRT 7.651	360	µg/kg
9712-1	N	SVOC	11/13/2006	Unknown, RRT 7.87	161	µg/kg
9712-1	N	SVOC	11/13/2006	Unknown, RRT 7.955	166	µg/kg
9712-2	N	SVOC	11/13/2006	.gamma.-Sitosterol,	460	µg/kg
9712-2	N	SVOC	11/13/2006	Cyclopentadecanone, 2-hydroxy-,	183	µg/kg
9712-2	N	SVOC	11/13/2006	Cyclotetracosane,	133	µg/kg
9712-2	N	SVOC	11/13/2006	Dotriacontane,	164	µg/kg
9712-2	N	SVOC	11/13/2006	Testosterone,	292	µg/kg
9712-2	N	SVOC	11/13/2006	Unknown, RRT 0.606	147	µg/kg
9712-2	N	SVOC	11/13/2006	Unknown, RRT 7.18	158	µg/kg
EB-10-30-06-1	EB	SVOC	10/30/2006	1-Hexanol, 2-ethyl-,	4.76	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Ethanol, 2-phenoxy-,	3.53	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Hexanoic acid,	6.51	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Octadecanoic acid,	7.19	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Unknown, RRT 3.019	2.22	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Unknown, RRT 3.077	2.27	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Unknown, RRT 4.142	2.37	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Unknown, RRT 4.923	3.01	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Unknown, RRT 5.019	3.12	µg/L
EB-10-30-06-1	EB	SVOC	10/30/2006	Unknown, RRT 5.495	6.17	µg/L
EB-10-30-06-2	EB	SVOC	10/30/2006	Octadecanoic acid,	3.35	µg/L
EB-10-30-06-2	EB	SVOC	10/30/2006	Unknown, RRT 4.94	3.7	µg/L
EB-10-30-06-2	EB	SVOC	10/30/2006	Unknown, RRT 5.555	10.1	µg/L
EB-10-30-06-2	EB	SVOC	10/30/2006	Unknown, RRT 6.186	6.78	µg/L
EB-10-30-06-3	EB	SVOC	10/30/2006	Octadecanoic acid,	2.24	µg/L
EB-10-30-06-3	EB	SVOC	10/30/2006	Unknown, RRT 4.946	4.82	µg/L
EB-10-30-06-3	EB	SVOC	10/30/2006	Unknown, RRT 5.555	12.3	µg/L
EB-10-30-06-3	EB	SVOC	10/30/2006	Unknown, RRT 6.186	7.06	µg/L
EB-10-30-06-3	EB	SVOC	10/30/2006	Unknown, RRT 7.989	4.89	µg/L
EB-10-30-06-4	EB	SVOC	10/30/2006	Octadecanoic acid,	2.62	µg/L
EB-10-30-06-4	EB	SVOC	10/30/2006	Unknown, RRT 4.945	4.11	µg/L
EB-10-30-06-4	EB	SVOC	10/30/2006	Unknown, RRT 5.56	9.18	µg/L
EB-10-30-06-4	EB	SVOC	10/30/2006	Unknown, RRT 6.09	6.59	µg/L
EB-10-30-06-4	EB	SVOC	10/30/2006	Unknown, RRT 6.186	5.92	µg/L
EB-10-30-06-4	EB	SVOC	10/30/2006	Unknown, RRT 6.748	5.36	µg/L
EB-10-30-06-4	EB	SVOC	10/30/2006	Unknown, RRT 7.989	2.13	µg/L
EB-11-13-06-1	EB	SVOC	11/13/2006	Unknown, RRT 4.837	2.94	µg/L
EB-11-13-06-1	EB	SVOC	11/13/2006	Unknown, RRT 5.345	4.02	µg/L
EB-11-13-06-1	EB	SVOC	11/13/2006	Unknown, RRT 5.426	4.27	µg/L
EB-11-13-06-1	EB	SVOC	11/13/2006	Unknown, RRT 5.955	3.24	µg/L
EB-11-13-06-1	EB	SVOC	11/13/2006	Unknown, RRT 6.046	2.12	µg/L
EB-11-13-06-1	EB	SVOC	11/13/2006	Unknown, RRT 6.602	3.22	µg/L
EB-11-13-06-2	EB	SVOC	11/13/2006	Unknown, RRT 4.837	2.89	µg/L
EB-11-13-06-2	EB	SVOC	11/13/2006	Unknown, RRT 5.345	5.54	µg/L
EB-11-13-06-2	EB	SVOC	11/13/2006	Unknown, RRT 6.046	3.71	µg/L
EB-11-13-06-2	EB	SVOC	11/13/2006	Unknown, RRT 6.597	5.55	µg/L
EB-11-13-06-2	EB	SVOC	11/13/2006	Unknown, RRT 7.832	3.67	µg/L
EB-11-13-06-3	EB	SVOC	11/13/2006	Unknown, RRT 5.351	3.17	µg/L
EB-11-13-06-3	EB	SVOC	11/13/2006	Unknown, RRT 5.955	2.55	µg/L
EB-11-13-06-3	EB	SVOC	11/13/2006	Unknown, RRT 6.046	2.09	µg/L

[a] No VOC TICs were reported.
[b] Estimated value.
EB = Equipment blank sample
FD = Field duplicate
N = Primary Sample

Appendix F
Soil Parameter Summary Statistics and Analytical Results

Appendix F: Contents

Tables

F-1 Soil Parameter Analytical Results

Figures

F-1A 2-Group Cluster Distribution

F-1B 2-Group Cluster Distribution (Alt)

F-1C 4-Group Cluster Distribution

F-1D 6-Group Cluster Distribution

F-1E 8-Group Cluster Distribution

Multivariate Analysis

The spatial distributions of the individual soil parameters measured in this study indicate that there are no broad areas of soil with similar physical characteristics. Although localized areas of similar grain size, total organic carbon (TOC), black carbon, or soil particle surface area observed, local variability is evident throughout the Study Area. Therefore, multivariate analysis of the soil parameter data was performed to evaluate whether spatially distinct areas could be identified based on relationships between parameters.

Statistical clusters were defined for observations in the four-dimensional variable space of black carbon, TOC, sand, and clay or silt. Variable selection was based on the primary factors that influence bioavailability (black carbon and TOC) and two of the physical measures of grain size (either sand and clay or sand and silt). In most of the evaluations, the physical measures were limited to two variables (sand and clay) given that the sum of the percentages for the three grain size values is equal to one; therefore, no meaning is lost if two are evaluated because the third is included by extension. Surface area was excluded due to the positive correlation between surface area and silt.

A statistical "cluster" distinguishes subsets of observations that lie closest to each other within the Study Area (the measurement space); the cluster, therefore, depends upon the distance between observations within that space. For these evaluations, distances were calculated as simple Euclidean distance (that is, the "ordinary" distance between points as measured by a ruler). The number of clusters is predefined and the method aggregates most similar observations into the number of clusters defined. The objective of cluster analysis is to test for the presence of localized areas that exhibit distinctive relationships among the physical and bioavailability soil characteristics.

The tabulated results of the multivariate evaluation (Table 3-6) show the average of each variable in each of the clusters classes: two *versus* four *versus* six and eight. The color-coded clusters identified from this analysis were mapped spatially through the Study Area. The results for the two, four, six, and eight cluster results are shown in Figures F-1A through F-1E. Results from the multivariate cluster analysis are summarized as follows:

- Average concentrations of TOC and black carbon exhibit comparatively tight distributions regardless of number of clusters and analytes included.
- Grain sizes exhibit slightly greater differences in the average value across different clusters, but because of the consistent levels throughout the 337 locations sampled, are comparatively narrow. For example, in the set of four clusters using clay and sand, the average sand level in the clusters ranges from 48.2 percent (17 locations) to 87.2 percent (123 locations) while average clay ranges from 2.4 to 17.2 percent.
- Spatial distribution of the multivariate clusters exhibit similarly small-scale variability, which is consistent throughout the Study Area for the distributions of the individual measures.
- No clusters are localized in exclusively one portion of the Study Area, regardless of number of clusters specified or analytes included in the clustering algorithm.

A sensitivity analysis was performed by varying two factors. First, results from a variable number of clusters were examined by looking at the spatial distribution of two, four, six,

and eight individual clusters of observations defined by a single set of variables (black carbon, TOC, sand, and clay). Second, potential differences between two clusters defined by silt rather than clay (in addition to the fixed black carbon, TOC, and sand) were mapped to see if differences were substantive. The sensitivity analysis showed a 91 percent correspondence of cluster assignment for the 337 samples. These results indicate that silt and clay are more or less interchangeable within the algorithm, resulting in minor deviations in cluster assignment and no overall change in the distribution of clusters within the Study Area.

The cluster data groups were further evaluated to determine if the soil parameter classes (TOC, grain size, surface area) had distributions that vary significantly across the data set. Overall, data within the soil parameter classes are consistent as follows:

- Regardless of the number of multivariate clusters specified, black carbon and TOC levels do not differ significantly across clusters. For example, the samples which aggregate into two unique clusters are not significantly different with respect to black carbon or TOC levels.
- In contrast, the three grain size classes (silt, clay, and sand) and surface area do differ significantly across clusters, regardless of the number of clusters defined.
- The spatial distribution of these clusters indicate that samples from the same cluster do not necessarily lie near one another, and are not limited to localized areas within the Study Area boundaries.

Direct application of these results, in conjunction with the maps of clusters, indicates the following:

- Different soil types within the Study Area are not strongly localized in discrete areas. Therefore, the Study Area cannot readily be stratified into subsections where different levels of bioavailability would be expected.
- There are, however, groups of soil samples which exhibit unique statistical distributions. These "groups" are not necessarily geographically contiguous. The basis for the grouping is dominated by the relative abundance of grain size classes, and is less influenced by either black carbon or total organic carbon.

Application of the multivariate cluster results could be used to identify different ranges of soil characteristics, assuming that the ranges observed in the clusters correspond to ranges over which meaningful differences in the potential for bioavailability of soils are expected.

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
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Midland Area Soils

		Sample ID	A-02-1-1		A-02-2-1		A-03-2-1		A-03-6-1		A-03-8-1		A-04-2-1		A-04-6-1		A-04-7-1		A-04-9-1		A-05-1-1		A-05-5-1	
		Location ID	A-02-14-21-20-186-1		A-02-14-21-20-305-2		A-03-14-21-10-350-2		A-03-14-21-10-404-6		A-03-14-21-10-408-8		A-04-14-16-40-506-2		A-04-14-16-40-604-6		A-04-14-16-40-606-7		A-04-14-16-40-610-9		A-05-14-16-30-148-1		A-05-14-16-30-156-5	
		Sample Date	10/31/2006		10/31/2006		11/7/2006		11/7/2006		11/7/2006		11/3/2006		11/3/2006		11/3/2006		11/3/2006		11/1/2006		11/1/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.85		3.96		3.63		4.17		2.29		3.26		4.82		3.05		4.8		2.41		5.53	
TOC	Total Organic Carbon %H	%	0.28		0.28		0.34		0.34		0.19		0.36		0.42		0.4		0.39		0.24		0.48	
TOC	Total Organic Carbon %N	%	0.21		0.21		0.26		0.26		0.15		0.25		0.31		0.18		0.29		0.14		0.32	
BC	Black Carbon %C	%	1.18		1.23		0.92		1.22		0.3		0.27		0.93		0.64		1.58		0.64		1.18	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	2.67		2.73		2.71		2.95		1.99		2.99		3.89		2.41		3.22		1.77		4.35	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.8		0.62		1.51		2.96		0.64		0.71		0.54		1.52		1.21		0.8		0.74	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	18		20		23		17		12		21		20		21		23		12		24	
PS	PERCENT SAND [b]	%	90		88		76		74		88		90		88		84		86		90		84	
PS	PERCENT SILT	%	8		8		18		14		8		8		12		12		14		8		16	
PS	PERCENT CLAY	%	2		4		6		12		4		2		0		4		0		2		0	
PS	Retained on 250 [c]	%	34.5		39		15.8		18.2		26		25.3		40.5		25.1		28.8		40.2		30.9	
PS	Soil Classification [d]	--	Sand		Sand		Loamy Sand		Sandy Loam		Sand		Sand		Sand		Loamy Sand		Sand		Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sieve

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	A-05-6-1		A-05-7-1		A-06-1-1		A-06-5-1		A-06-7-1		A-07-2-1		A-07-5-1		A-07-6-1		A-07-10-1		A-07-11-1		A-08-1-1	
		Location ID	A-05-14-16-30-158-6		A-05-14-16-30-160-7		A-06-14-16-30-022-1		A-06-14-16-30-030-5		A-06-14-16-30-034-7		A-07-14-16-70-126-2		A-07-14-16-70-134-5		A-07-14-16-70-136-6		A-07-14-16-70-144-10		A-07-14-16-70-146-11		A-08-14-16-80-152-1	
		Sample Date	11/1/2006		11/1/2006		10/24/2006		10/24/2006		10/24/2006		10/24/2006		10/24/2006		10/24/2006		10/24/2006		10/24/2006		10/24/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	4.14		2.92		6.6		2.67		1.23		2.88		5.06		3.31		1.52		1.95		4.36	
TOC	Total Organic Carbon %H	%	0.52		0.33		0.74		0.4		0.27		0.74		0.64		0.61		0.37		0.61		0.57	
TOC	Total Organic Carbon %N	%	0.29		0.21		0.41		0.22		0.1	U	0.28		0.35		0.27		0.12		0.14		0.42	
BC	Black Carbon %C	%	1.07		0.4		0.26		0.12		0.1	U	0.87		0.42		0.42		0.24		0.34		0.76	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.24		0.1	U	0.1		0.1	U	0.1	U	0.12	
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.07		2.52		6.34		2.55		1.13		2.01		4.64		2.89		1.28		1.61		3.6	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.45		0.78		1		0.95		2.7		1.73		1.25		3.1		2.35		4.81		4.06	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	19		21		27		30		25		78		66		32		28		30		44	
PS	PERCENT SAND [b]	%	86		88		88		84		78		72		80		64		68		72		54	
PS	PERCENT SILT	%	12		8		10		14		14		18		16		26		24		12		32	
PS	PERCENT CLAY	%	2		4		2		2		8		10		4		10		8		16		14	
PS	Retained on 250 [c]	%	40.2		38.3		39.5		35.7		42.3		24.8		18.8		12.1		34.7		11		6	
PS	Soil Classification [d]	--	Sand		Sand		Sand		Loamy Sand		Loamy Sand		Sandy Loam		Loamy Sand		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	A-08-2-1	A-08-4-1	A-08-8-1	A-08-11-1	A-08-11-1-D	A-09-2-1	A-09-4-1	A-09-5-1	A-09-6-1	A-10-7-1	A-10-1-1
		Location ID	A-08-14-16-80-154-2	A-08-14-16-80-158-4	A-08-14-16-80-174-8	A-08-14-16-80-180-11	A-08-14-16-80-180-11	A-09-14-16-80-380-2	A-09-14-16-80-386-4	A-09-14-16-80-426-5	A-09-14-16-80-430-6	A-10-14-09-50-098-7	A-10-14-09-50-102-1
		Sample Date	10/24/2006	10/24/2006	10/24/2006	10/24/2006	10/24/2006	10/26/2006	10/26/2006	10/26/2006	10/26/2006	11/8/2006	11/8/2006
		Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
TOC	Total Organic Carbon %C	%	2.67	2.26	3.09	3.74	3.86	4.23	4.08	2.23	3.81	5.68	2.78
TOC	Total Organic Carbon %H	%	0.84	0.33	0.47	0.94	0.79	1	0.48	0.32	0.6	0.6	0.37
TOC	Total Organic Carbon %N	%	0.24	0.2	0.27	0.32	0.33	0.35	0.35	0.24	0.33	0.49	0.22
BC	Black Carbon %C	%	0.41	0.12	0.39	0.39	0.65	0.23	0.42	0.18	0.35	0.59	0.29
BC	Black Carbon %H	%	0.22	0.1 U	0.1 U	0.1	0.14	0.22	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
BC	Black Carbon %N	%	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.14	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
--	Organic Carbon [a]	%	2.26	2.14	2.7	3.35	3.21	4	3.66	2.05	3.46	5.09	2.49
SSA	SPECIFIC SURFACE AREA	m^2/g	4.85	3.22	3.39	3.04	3.09	3.63	1.13	1.79	1.64	1.48	1.71
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	35	43	49	47	33	27	25	32	31	27	17
PS	PERCENT SAND [b]	%	46	48	60	62	62	60	50	78	72	80	70
PS	PERCENT SILT	%	38	44	34	28	26	24	32	14	22	14	20
PS	PERCENT CLAY	%	16	8	6	10	12	16	18	8	6	6	10
PS	Retained on 250 [c]	%	8.7	3	5.2	8.3	12	18.2	6.3	17.8	9.1	5.4	6.4
PS	Soil Classification [d]	--	Loam	Loam	Sandy Loam	Sandy Loam	Sandy Loam	Sandy Loam	Loam	Loamy Sand	Sandy Loam	Loamy Sand	Sandy Loam

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	A-10-2-1		A-11-1-1		A-12-1-1		A-13-2-1		A-13-4-1		A-13-8-1		A-13-9-1		A-13-11-1		B-01-1-1		B-01-1-1-D		B-03-1-1	
		Location ID	A-10-14-09-50-104-2		A-11-14-09-50-300-1		A-12-14-09-50-300-1		A-13-14-09-70-072-2		A-13-14-09-70-076-4		A-13-14-09-70-084-8		A-13-14-09-70-086-9		A-13-14-09-70-090-11		B-01-14-21-20-004-1		B-01-14-21-20-004-1		B-03-14-21-10-040-1	
		Sample Date	11/8/2006		11/3/2006		11/3/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006		11/14/2006		11/14/2006		11/10/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.79		5.2		4.48		3.65		2.94		2.57		3.28		3.89		2.63		2.14		3.24	
TOC	Total Organic Carbon %H	%	0.67		0.56		0.58		0.67		0.74		0.42		0.53		0.53		0.48		0.33		0.36	
TOC	Total Organic Carbon %N	%	0.34		0.27		0.38		0.34		0.26		0.22		0.31		0.36		0.17		0.14		0.2	
BC	Black Carbon %C	%	0.34		0.1	U	0.26		0.53		0.2		0.2		0.47		0.24		0.48		0.44		1.14	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.45		5.1		4.22		3.12		2.74		2.37		2.81		3.65		2.15		1.7		2.1	
SSA	SPECIFIC SURFACE AREA	m^2/g	4.8		0.88		2.2		2.26		2.58		2.32		3.36		2.4		0.73		0.72		1.11	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	19		29		69		28		18		26		33		28		17		18		16	
PS	PERCENT SAND [b]	%	64		88		76		64		66		66		54		62		84		80		84	
PS	PERCENT SILT	%	18		10		16		26		22		24		32		28		14		14		12	
PS	PERCENT CLAY	%	18		2		8		10		12		10		14		10		2		6		4	
PS	Retained on 250 [c]	%	4.6		7.5		15.7		5		18.1		21.6		5.2		2.7		41.2		45.9		35.3	
PS	Soil Classification [d]	--	Sandy Loam		Sand		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Loamy Sand		Loamy Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	B-03-4-1		B-03-6-1		B-03-8-1		B-03-8-1-D		B-03-10-1		B-04-1-1		B-04-3-1		B-04-5-1		B-04-6-1		B-04-10-1		B-04-10-1-D	
		Location ID	B-03-14-21-10-046-4		B-03-14-21-10-050-6		B-03-14-21-10-054-8		B-03-14-21-10-054-8		B-03-14-21-10-278-10		B-04-14-16-40-126-1		B-04-14-16-40-130-3		B-04-14-16-40-134-5		B-04-14-16-40-144-6		B-04-14-16-40-152-10		B-04-14-16-40-152-10	
		Sample Date	11/10/2006		11/10/2006		11/10/2006		11/10/2006		11/10/2006		11/10/2006		11/10/2006		11/10/2006		11/10/2006		11/10/2006		11/10/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.17		2.71		1.89		1.84		4.25		0.79		4.76		3.53		3.48		4.33		4.18	
TOC	Total Organic Carbon %H	%	0.3		0.29		0.22		0.21		0.23		0.1	U	0.39		0.4		0.18		0.49		0.46	
TOC	Total Organic Carbon %N	%	0.24		0.15		0.13		0.13		0.18		0.1	U	0.26		0.25		0.19		0.32		0.31	
BC	Black Carbon %C	%	0.56		0.3		0.16		0.43		1.61		0.81		1.35		1.04		1.1		0.98		1.01	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.14		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	2.61		2.41		1.73		1.41		2.64		-0.02		3.41		2.49		2.38		3.35		3.17	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.93		2.16		0.7		0.65		0.85		0.6		0.8		1.47		0.82		1.93		1.96	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	15		17		15		13		18		8		22		21		20		24		25	
PS	PERCENT SAND [b]	%	86		78		88		88		84		90		80		70		84		74		66	
PS	PERCENT SILT	%	10		12		10		10		14		6		16		22		12		18		26	
PS	PERCENT CLAY	%	4		10		2		2		2		4		4		8		4		8		8	
PS	Retained on 250 [c]	%	32.1		27.4		19.6		18.5		22.2		48		24.1		22.6		36.4		21.3		23.8	
PS	Soil Classification [d]	--	Loamy Sand		Sandy Loam		Sand		Sand		Loamy Sand		Sand		Loamy Sand		Sandy Loam		Loamy Sand		Sandy Loam		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	B-05-2-1		B-05-3-1		B-05-3-1-D		B-05-5-1		B-05-7-1		B-05-8-1		B-06-1-1		B-06-2-1		B-07-1-1		B-07-5-1		B-07-5-1-D	
		Location ID	B-05-14-16-30-512-2		B-05-14-16-40-238-3		B-05-14-16-40-238-3		B-05-14-16-40-248-5		B-05-14-16-40-284-7		B-05-14-16-40-328-8		B-06-14-16-20-584-1		B-06-14-16-30-200-2		B-07-14-16-20-400-1		B-07-14-16-20-410-5		B-07-14-16-20-410-5	
		Sample Date	11/3/2006		11/3/2006		11/3/2006		11/3/2006		11/3/2006		11/3/2006		11/10/2006		11/10/2006		11/3/2006		11/3/2006		11/3/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.47		3.27		3.29		4.23		8.69		4.55		3.25		3.96		3.1		3.69		3.22	
TOC	Total Organic Carbon %H	%	0.35		0.45		0.47		0.62		0.78		0.55		0.37		0.44		0.55		0.53		0.45	
TOC	Total Organic Carbon %N	%	0.24		0.21		0.2		0.33		0.52		0.34		0.25		0.27		0.26		0.28		0.26	
BC	Black Carbon %C	%	0.54		1.04		1.2		1.07		1.11		0.78		0.4		0.59		0.57		0.49		0.64	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	2.93		2.23		2.09		3.16		7.58		3.77		2.85		3.37		2.53		3.2		2.58	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.82		0.84		0.79		2.98		1.22		0.96		0.78		0.8		1.6		1.29		1.42	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	25		22		7		29		32		20		20		13		28		23		23	
PS	PERCENT SAND [b]	%	78		80		82		70		80		78		78		80		74		84		80	
PS	PERCENT SILT	%	18		16		16		24		16		20		18		14		20		16		16	
PS	PERCENT CLAY	%	4		4		2		6		4		2		4		6		6		0		4	
PS	Retained on 250 [c]	%	22		27		27.5		10.6		27.2		31.5		29.5		27.8		13.5		7.9		6.1	
PS	Soil Classification [d]	--	Loamy Sand		Loamy Sand		Loamy Sand		Sandy Loam		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sandy Loam		Loamy Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	B-07-6-1		B-08-2-1		B-08-5-1		B-08-7-1		B-09-1-1		B-09-2-1		B-09-6-1		B-09-7-1		B-09-8-1		B-09-8-1-D		B-10-1-1	
		Location ID	B-07-14-16-20-412-6		B-08-14-16-10-176-2		B-08-14-16-10-182-5		B-08-14-16-10-194-7		B-09-14-16-10-118-1		B-09-14-16-10-126-2		B-09-14-16-10-378-6		B-09-14-16-10-380-7		B-09-14-16-10-382-8		B-09-14-16-10-382-8		B-10-14-09-40-002-1	
		Sample Date	11/3/2006		11/10/2006		11/10/2006		11/10/2006		11/2/2006		11/2/2006		11/2/2006		11/2/2006		11/2/2006		11/2/2006		11/17/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.08		3.56		4.94		2.51		10.04		2.33		4.58		4.13		2.69		2.95		6.35	
TOC	Total Organic Carbon %H	%	0.49		0.65		0.92		0.3		1.21		0.42		0.66		0.59		0.47		0.47		0.71	
TOC	Total Organic Carbon %N	%	0.25		0.33		0.48		0.2		0.88		0.2		0.42		0.36		0.23		0.25		0.47	
BC	Black Carbon %C	%	0.39		0.55		0.65		0.52		1.24		0.41		0.46		0.42		0.38		0.33		0.82	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.11		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.11		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	2.69		3.01		4.29		1.99		8.8		1.92		4.12		3.71		2.31		2.62		5.53	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.27		2.46		5.07		2.08		1.92		1.89		2.85		2.38		1.42		1.62		1.89	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	26		20		28		16		90		22		37		35		24		24		21	
PS	PERCENT SAND [b]	%	76		66		40		70		70		74		58		66		62		66		74	
PS	PERCENT SILT	%	22		24		46		24		24		20		32		30		32		30		20	
PS	PERCENT CLAY	%	2		10		14		6		6		6		10		4		6		4		6	
PS	Retained on 250 [c]	%	3.4		15.9		3.2		2.2		24.4		17.6		7.6		3.4		3.3		2.8		2.4	
PS	Soil Classification [d]	--	Loamy Sand		Sandy Loam		Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	B-11-1-1		C-01-1-1		C-01-2-1		C-01-3-1		C-03-1-1		C-03-2-1		C-03-9-1		C-03-11-1		C-03-12-1		C-03-12-1-D		C-04-1-1	
		Location ID	B-11-14-09-50-300-1		C-01-14-22-70-102-1		C-01-14-22-70-104-2		C-01-14-22-70-106-3		C-03-14-22-80-240-1		C-03-14-22-80-246-2		C-03-14-22-80-262-9		C-03-14-22-80-276-11		C-03-14-22-80-278-12		C-03-14-22-80-278-12		C-04-14-15-50-730-1	
		Sample Date	11/3/2006		10/31/2006		10/31/2006		10/31/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006		11/7/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.3		2.85		2.38		2.01		4.85		3.44		3.77		2.21		1.98		1.98		3.61	
TOC	Total Organic Carbon %H	%	0.5		0.48		0.36		0.48		0.32		0.24		0.39		0.35		0.24		0.17		0.26	
TOC	Total Organic Carbon %N	%	0.29		0.18		0.15		0.16		0.29		0.21		0.25		0.14		0.13		0.12		0.22	
BC	Black Carbon %C	%	0.32		0.89		1.19		0.33		1.65		0.92		1.13		0.63		0.15		0.16		0.89	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	2.98		1.96		1.19		1.68		3.2		2.52		2.64		1.58		1.83		1.82		2.72	
SSA	SPECIFIC SURFACE AREA	m^2/g	2.29		2.93		0.94		1.74		0.76		0.81		0.98		1.07		0.92		0.86		0.86	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	40		19		14		6		19		17		23		14		11		11		20	
PS	PERCENT SAND [b]	%	64		72		88		78		88		90		80		88		90		92		84	
PS	PERCENT SILT	%	28		18		8		12		10		8		16		8		4		4		14	
PS	PERCENT CLAY	%	8		10		4		10		2		2		4		4		6		4		2	
PS	Retained on 250 [c]	%	4.1		34.4		49.1		32.9		28.6		40		21.5		40.4		47.1		43.5		31.2	
PS	Soil Classification [d]	--	Sandy Loam		Sandy Loam		Sand		Sandy Loam		Sand		Sand		Loamy Sand		Sand		Sand		Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	C-04-3-1		C-04-5-1		C-04-6-1		C-04-6-1-D		C-04-10-1		C-05-2-1		C-05-3-1		C-05-5-1		C-05-6-1		C-05-8-1		C-06-2-1	
		Location ID	C-04-14-15-50-734-3		C-04-14-15-50-738-5		C-04-14-15-50-754-6		C-04-14-15-50-754-6		C-04-14-15-50-762-10		C-05-14-15-50-404-2		C-05-14-15-50-406-3		C-05-14-15-50-410-5		C-05-14-15-50-412-6		C-05-14-15-60-484-8		C-06-14-15-60-442-2	
		Sample Date	11/7/2006		11/7/2006		11/7/2006		11/7/2006		11/7/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	4.48		3.98		4.05		3.87		3.16		4.06		4.19		2.94		3.55		2.95		3.67	
TOC	Total Organic Carbon %H	%	0.39		0.38		0.36		0.44		0.55		0.42		0.58		0.59		0.42		0.21		0.58	
TOC	Total Organic Carbon %N	%	0.3		0.24		0.27		0.27		0.27		0.23		0.29		0.23		0.25		0.2		0.28	
BC	Black Carbon %C	%	1.23		1.19		0.91		0.72		0.96		1.93		0.86		0.81		0.56		0.1	U	0.93	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.13		0.1	U	0.1		0.32		0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.11		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.25		2.79		3.14		3.15		2.2		2.13		3.33		2.13		2.99		2.85		2.74	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.87		0.66		1.17		1.18		2.27		1.28		2.65		3.37		0.55		1.26		1.38	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	19		20		23		17		32		23		22		24		18		20		20	
PS	PERCENT SAND [b]	%	86		84		80		78		70		86		74		48		90		74		76	
PS	PERCENT SILT	%	14		14		16		18		22		10		14		36		8		22		16	
PS	PERCENT CLAY	%	0		2		4		4		8		4		12		16		2		4		8	
PS	Retained on 250 [c]	%	23.3		28.2		23		20.5		19.1		22.1		20.3		13.6		21.3		35.4		20.3	
PS	Soil Classification [d]	--	Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sandy Loam		Loamy Sand		Sandy Loam		Loam		Sand		Loamy Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	C-06-5-1		C-06-8-1		C-06-9-1		C-07-1-1		C-07-4-1		C-07-9-1		C-07-9-1-D		C-07-10-1		C-08-1-1		C-10-3-1		C-10-9-1	
		Location ID	C-06-14-15-60-448-5		C-06-14-15-60-454-8		C-06-14-15-60-456-9		C-07-14-15-70-314-1		C-07-14-15-70-320-4		C-07-14-15-70-332-9		C-07-14-15-70-332-9		C-07-14-15-70-334-10		C-08-14-15-70-440-1		C-10-14-10-50-518-3		C-10-14-10-50-538-9	
		Sample Date	11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/3/2006		11/6/2006		11/6/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	2.64		3.53		3.67		2.32		2.81		7.83		8.14		3.28		3.57		3.86		2.08	
TOC	Total Organic Carbon %H	%	0.62		0.37		0.42		0.38		0.66		0.89		0.99		0.69		0.63		0.7		0.3	
TOC	Total Organic Carbon %N	%	0.22		0.26		0.25		0.19		0.25		0.64		0.65		0.31		0.29		0.31		0.17	
BC	Black Carbon %C	%	0.49		0.6		0.88		0.29		0.89		1.27		1.66		0.34		0.46		0.76		0.23	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.13		0.13		0.1	U	0.11		0.1	U	0.1	U	0.12		0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.16		0.1	U	0.16		0.1	U	0.1	U	0.1		0.1	U
--	Organic Carbon [a]	%	2.15		2.93		2.79		2.03		1.92		6.56		6.48		2.94		3.11		3.1		1.85	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.86		0.92		1.45		2.83		1.8		2.31		2.38		4.28		4.95		3.34		1.71	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	20		20		45		25		23		28		30		23		29		20		23	
PS	PERCENT SAND [b]	%	64		78		68		66		72		70		74		52		60		76		74	
PS	PERCENT SILT	%	22		18		26		24		22		22		20		32		28		12		16	
PS	PERCENT CLAY	%	14		4		6		10		6		8		6		16		12		12		10	
PS	Retained on 250 [c]	%	23.1		8.7		8.4		7.9		11.8		15.1		14.8		4.1		11.7		6.2		21.9	
PS	Soil Classification [d]	--	Sandy Loam		Loamy Sand		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Loam		Sandy Loam		Sandy Loam		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 1 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	C-10-10-1		C-10-12-1		C-10-13-1		C-10-13-1-D		C-11-1-1		C-11-7-1		C-11-7-1-D		C-11-8-1		C-13-1-1	
		Location ID	C-10-14-10-50-540-10		C-10-14-10-50-546-12		C-10-14-10-50-550-13		C-10-14-10-50-550-13		C-11-14-10-60-008-1		C-11-14-10-60-088-7		C-11-14-10-60-088-7		C-11-14-10-60-092-8		C-13-14-10-70-014-1	
		Sample Date	11/6/2006		11/6/2006		11/6/2006		11/6/2006		11/7/2006		11/7/2006		11/7/2006		11/7/2006		11/17/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																		
TOC	Total Organic Carbon %C	%	2.71		3.07		3.03		2.8		2.99		2.43		2.48		3.75		2.88	
TOC	Total Organic Carbon %H	%	0.79		0.39		0.39		0.42		0.36		0.43		0.47		0.89		0.47	
TOC	Total Organic Carbon %N	%	0.24		0.22		0.2		0.18		0.24		0.21		0.2		0.33		0.25	
BC	Black Carbon %C	%	0.42		0.22		0.32		0.22		0.32		1.05		0.26		0.95		0.44	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1		0.1	U	0.52		0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.11		0.1	U	0.13		0.1	U
--	Organic Carbon [a]	%	2.29		2.85		2.71		2.58		2.67		1.38		2.22		2.8		2.44	
SSA	SPECIFIC SURFACE AREA	m^2/g	3.45		1.6		1.78		1.48		0.93		2.58		3.47		3.36		3.12	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	24		20		22		24		24		20		20		26		22	
PS	PERCENT SAND [b]	%	74		80		82		84		76		78		72		60		72	
PS	PERCENT SILT	%	10		12		12		12		22		16		12		26		16	
PS	PERCENT CLAY	%	16		8		6		4		2		6		16		14		12	
PS	Retained on 250 [c]	%	6.8		8.7		8.2		7.9		5.7		3.6		7.9		3.9		7.4	
PS	Soil Classification [d]	--	Sandy Loam		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sandy Loam		Sandy Loam		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) si

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	C-13-3-1		D-02-1-1		D-02-2-1		D-02-3-1		D-02-4-1		D-02-9-1		D-03-2-1		D-03-5-1		D-03-6-1		D-03-11-1		D-04-1-1	
		Location ID	C-13-14-10-70-020-3		D-02-14-15-50-626-1		D-02-14-15-50-628-2		D-02-14-15-50-630-3		D-02-14-15-50-636-4		D-02-14-15-50-674-9		D-03-14-15-50-530-2		D-03-14-15-50-536-5		D-03-14-15-50-538-6		D-03-14-15-50-590-11		D-04-14-15-60-142-1	
		Sample Date	11/17/2006		10/31/2006		10/31/2006		10/31/2006		10/31/2006		10/31/2006		11/15/2006		11/15/2006		11/15/2006		11/15/2006		11/11/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.39		2.89		3.15		3.16		4.28		2.77		2.85		4.16		3.54		4.14		3.26	
TOC	Total Organic Carbon %H	%	0.65		0.41		0.35		0.42		0.9		0.42		0.38		0.55		0.73		0.66		0.41	
TOC	Total Organic Carbon %N	%	0.29		0.27		0.18		0.25		0.29		0.21		0.23		0.3		0.3		0.29		0.26	
BC	Black Carbon %C	%	0.51		0.26		1.33		0.46		0.56		0.26		0.95		0.86		0.27		0.98		0.41	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.41		0.1	U	0.1	U	0.1	U	0.22		0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1		0.1	U	0.1	U	0.11		0.1	U
--	Organic Carbon [a]	%	2.88		2.63		1.82		2.7		3.72		2.51		1.9		3.3		3.27		3.16		2.85	
SSA	SPECIFIC SURFACE AREA	m^2/g	2.36		2.04		1.15		1.12		2.5		0.91		1.83		0.92		2.44		0.53		2.04	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	24		28		15		23		23		23		21		25		27		24		29	
PS	PERCENT SAND [b]	%	64		70		86		76		72		86		76		84		72		88		68	
PS	PERCENT SILT	%	26		22		12		18		18		12		20		14		20		10		24	
PS	PERCENT CLAY	%	10		8		2		6		10		2		4		2		8		2		8	
PS	Retained on 250 [c]	%	4.8		19.5		42.5		29		26.8		6.7		16.8		22.6		15.4		13.3		7.3	
PS	Soil Classification [d]	--	Sandy Loam		Sandy Loam		Sand		Loamy Sand		Sandy Loam		Sand		Loamy Sand		Loamy Sand		Sandy Loam		Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sieve
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	D-04-2-1	D-04-8-1	D-04-9-1	D-04-10-1	D-05-4-1	D-05-5-1	D-05-6-1	D-05-7-1	D-05-8-1	E-01-2-1	E-02-1-1
		Location ID	D-04-14-15-60-144-2	D-04-14-15-60-156-8	D-04-14-15-60-158-9	D-04-14-15-60-162-10	D-05-14-15-60-296-4	D-05-14-15-60-298-5	D-05-14-15-60-300-6	D-05-14-15-60-304-7	D-05-14-15-60-306-8	E-01-14-22-80-420-2	E-02-14-22-80-012-1
		Sample Date	11/11/2006	11/11/2006	11/11/2006	11/11/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006	11/17/2006	11/14/2006	11/14/2006
		Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
TOC	Total Organic Carbon %C	%	1.99	3.31	3.22	2.38	2.49	3.12	2.28	4.49	3.9	3.86	6.67
TOC	Total Organic Carbon %H	%	0.12	0.42	0.52	0.5	0.25	0.44	0.46	0.95	0.49	0.96	0.64
TOC	Total Organic Carbon %N	%	0.12	0.28	0.28	0.19	0.19	0.24	0.19	0.39	0.3	0.33	0.44
BC	Black Carbon %C	%	0.37	0.91	0.57	0.59	0.41	0.51	0.36	0.48	0.46	0.86	0.85
BC	Black Carbon %H	%	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.37	0.1 U
BC	Black Carbon %N	%	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.16	0.1 U
--	Organic Carbon [a]	%	1.62	2.4	2.65	1.79	2.08	2.61	1.92	4.01	3.44	3	5.82
SSA	SPECIFIC SURFACE AREA	m^2/g	0.7	1.83	2.13	2.49	1.63	2.3	2.23	2.67	2.14	3.36	0.39
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	19	21	25	24	20	18	18	16	22	22	26
PS	PERCENT SAND [b]	%	88	78	70	72	78	76	80	72	76	72	88
PS	PERCENT SILT	%	10	16	20	16	16	18	12	20	16	16	12
PS	PERCENT CLAY	%	2	6	10	12	6	6	8	8	8	12	0
PS	Retained on 250 [c]	%	39.1	23.7	13	12.1	11.8	4.4	3.8	5.6	4.2	18.1	25.2
PS	Soil Classification [d]	--	Sand	Loamy Sand	Sandy Loam	Sandy Loam	Loamy Sand	Loamy Sand	Loamy Sand	Sandy Loam	Sandy Loam	Sandy Loam	Sand

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	E-02-1-1-D	E-03-1-1	E-03-2-1	E-03-3-1	E-03-4-1	E-04-1-1	E-04-2-1	E-04-4-1	E-04-5-1	E-04-7-1	E-05-1-1
		Location ID	E-02-14-22-80-012-1	E-03-14-15-50-010-1	E-03-14-15-50-012-2	E-03-14-15-50-014-3	E-03-14-15-50-016-4	E-04-14-15-60-096-1	E-04-14-15-60-098-2	E-04-14-15-60-102-4	E-04-14-15-60-104-5	E-04-14-15-60-108-7	E-05-14-15-20-004-1
		Sample Date	11/14/2006	11/9/2006	11/9/2006	11/9/2006	11/9/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/8/2006	11/11/2006
		Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
TOC	Total Organic Carbon %C	%	7.64	2.37	3.35	4.23	2.85	3.09	2.97	2.62	3.08	1.8	3.49
TOC	Total Organic Carbon %H	%	0.71	0.38	0.53	0.5	0.28	0.21	0.43	0.32	0.45	0.31	0.41
TOC	Total Organic Carbon %N	%	0.5	0.2	0.28	0.35	0.24	0.22	0.23	0.22	0.24	0.11	0.29
BC	Black Carbon %C	%	1.82	0.65	0.15	0.83	0.53	0.45	0.44	0.38	0.43	0.16	0.58
BC	Black Carbon %H	%	0.12	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
BC	Black Carbon %N	%	0.18	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
--	Organic Carbon [a]	%	5.82	1.72	3.2	3.4	2.32	2.64	2.53	2.24	2.65	1.64	2.91
SSA	SPECIFIC SURFACE AREA	m^2/g	0.42	0.86	1.09	1.77	0.5	0.46	0.94	1.04	1.46	2.08	0.98
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	25	13	19	19	17	17	20	21	27	13	28
PS	PERCENT SAND [b]	%	86	84	76	74	82	80	80	78	70	80	78
PS	PERCENT SILT	%	12	10	20	20	14	18	18	16	22	10	18
PS	PERCENT CLAY	%	2	6	4	6	4	2	2	6	8	10	4
PS	Retained on 250 [c]	%	33.9	14.4	12.1	9.7	13	6.3	5.8	5.6	5.3	31.2	6
PS	Soil Classification [d]	--	Sand	Loamy Sand	Loamy Sand	Sandy Loam	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Sandy Loam	Loamy Sand	Loamy Sand

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	E-06-1-1		E-07-2-1		E-07-5-1		E-07-8-1		E-07-10-1		E-07-11-1		E-08-1-1		E-08-3-1		E-08-9-1		E-08-11-1		E-08-13-1	
		Location ID	E-06-14-15-20-004-1		E-07-14-15-10-432-2		E-07-14-15-10-438-5		E-07-14-15-10-466-8		E-07-14-15-10-470-10		E-07-14-15-10-472-11		E-08-14-10-40-124-1		E-08-14-10-40-130-3		E-08-14-10-40-194-9		E-08-14-10-40-202-11		E-08-14-10-40-206-13	
		Sample Date	11/11/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	4.15		2.62		2.67		4.76		2.91		4.43		6.24		1.58		2.7		2.67		2.89	
TOC	Total Organic Carbon %H	%	0.63		0.7		0.29		0.37		0.47		0.54		0.89		0.39		0.56		0.32		0.68	
TOC	Total Organic Carbon %N	%	0.4		0.24		0.23		0.24		0.25		0.4		0.55		0.1	U	0.26		0.26		0.24	
BC	Black Carbon %C	%	0.3		0.28		0.21		0.78		0.36		0.21		0.17		0.26		0.23		0.19		0.38	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.24		0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.85		2.34		2.46		3.98		2.55		4.22		6.07		1.32		2.47		2.48		2.51	
SSA	SPECIFIC SURFACE AREA	m^2/g	3.21		4.31		1.21		2.21		2.04		0.97		1.34		2.66		2.01		0.98		2.81	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	30		27		21		25		21		21		28		40		41		22		22	
PS	PERCENT SAND [b]	%	72		64		76		72		72		80		80		78		68		80		66	
PS	PERCENT SILT	%	18		22		18		20		18		16		16		14		26		16		24	
PS	PERCENT CLAY	%	10		14		6		8		10		4		4		8		6		4		10	
PS	Retained on 250 [c]	%	8.4		7.3		12.3		8.4		12.8		7.3		6.9		13.7		4.6		8.6		8.1	
PS	Soil Classification [d]	--	Sandy Loam		Sandy Loam		Loamy Sand		Sandy Loam		Sandy Loam		Loamy Sand		Loamy Sand		Loamy Sand		Sandy Loam		Loamy Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	E-09-3-1		E-09-3-1-D		E-09-4-1		E-09-8-1		E-09-9-1		E-09-11-1		E-10-1-1		E-11-1-1		E-11-2-1		E-11-3-1		E-11-7-1	
		Location ID	E-09-14-10-40-526-3		E-09-14-10-40-526-3		E-09-14-10-40-528-4		E-09-14-10-40-562-8		E-09-14-10-40-564-9		E-09-14-10-40-566-11		E-10-14-10-30-500-1		E-11-14-10-20-604-1		E-11-14-10-20-606-2		E-11-14-10-20-608-3		E-11-14-10-20-618-7	
		Sample Date	10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		11/10/2006		11/3/2006		11/3/2006		11/3/2006		11/3/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.88		4.09		2.52		5.05		3.35		2.33		2.22		2.85		3.33		3.12		1.32	
TOC	Total Organic Carbon %H	%	0.4		0.84		0.51		0.65		0.46		0.3		0.23		0.36		0.52		0.51		0.2	
TOC	Total Organic Carbon %N	%	0.28		0.41		0.23		0.49		0.28		0.2		0.16		0.21		0.28		0.28		0.11	
BC	Black Carbon %C	%	0.4		0.7		0.15		0.5		0.13		0.11		0.1	U	0.15		0.17		0.26		0.1	U
BC	Black Carbon %H	%	0.1	U	0.19		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.48		3.39		2.37		4.55		3.22		2.22		2.12		2.7		3.16		2.86		1.22	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.66		1.85		12.84		1.8		1.11		1.2		0.65		1.08		1.59		1.97		1.13	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	34		33		34		46		39		39		13		23		25		22		14	
PS	PERCENT SAND [b]	%	70		72		84		68		84		78		84		80		78		76		82	
PS	PERCENT SILT	%	26		26		14		26		14		18		14		14		14		20		14	
PS	PERCENT CLAY	%	4		2		2		6		2		4		2		6		8		4		4	
PS	Retained on 250 [c]	%	4.2		7.4		5.6		7		9.2		6.6		13.6		17.1		19.6		17.2		15.9	
PS	Soil Classification [d]	--	Sandy Loam		Loamy Sand		Loamy Sand		Sandy Loam		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	E-11-7-1-D		E-11-9-1		F-01-1-1		F-02-1-1		F-04-2-1		F-04-3-1		F-04-6-1		F-04-7-1		F-04-12-1		F-05-6-1		F-05-8-1	
		Location ID	E-11-14-10-20-618-7		E-11-14-10-20-624-9		F-01-14-22-80-436-1		F-02-14-22-10-180-1		F-04-14-15-30-318-2		F-04-14-15-30-320-3		F-04-14-15-30-326-6		F-04-14-15-30-376-7		F-04-14-15-30-386-12		F-05-14-15-30-034-6		F-05-14-15-30-038-8	
		Sample Date	11/3/2006		11/3/2006		11/14/2006		11/14/2006		11/15/2006		11/15/2006		11/15/2006		11/15/2006		11/15/2006		11/15/2006		11/15/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	1.44		1.58		2.07		4.07		7.8		12.89		3.33		3.07		3.01		3.69		2.93	
TOC	Total Organic Carbon %H	%	0.25		0.24		0.45		0.44		1.01		1.3		0.32		0.32		0.46		0.47		0.34	
TOC	Total Organic Carbon %N	%	0.12		0.13		0.17		0.31		0.59		0.92		0.26		0.24		0.25		0.27		0.22	
BC	Black Carbon %C	%	0.1	U	0.1	U	0.53		0.99		1.7		1.73		0.48		0.42		0.35		0.34		0.2	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.5		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.13		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	1.34		1.48		1.54		3.08		6.1		11.16		2.85		2.65		2.66		3.35		2.73	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.33		1.5		1.36		0.69		2.37		0.88		1.83		0.86		2.12		0.89		1.51	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	14		18		12		26		29		26		17		14		13		16		19	
PS	PERCENT SAND [b]	%	82		84		78		84		66		82		74		86		70		84		76	
PS	PERCENT SILT	%	14		10		16		14		30		16		24		12		24		16		22	
PS	PERCENT CLAY	%	4		6		6		2		4		2		2		2		6		0		2	
PS	Retained on 250 [c]	%	15.9		21.1		32.2		16.6		16.6		24.6		18.4		21.8		12		15		15.6	
PS	Soil Classification [d]	--	Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sandy Loam		Loamy Sand		Loamy Sand		Sand		Sandy Loam		Loamy Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	F-05-11-1	F-05-12-1	F-05-13-1	G-02-1-1	G-03-1-1	G-03-1-1-D	G-04-1-1	G-05-1-1	G-05-2-1	G-05-4-1	G-05-5-1
		Location ID	F-05-14-15-30-044-11	F-05-14-15-30-046-12	F-05-14-15-30-048-13	G-02-14-22-20-150-1	G-03-14-23-10-100-1	G-03-14-23-10-100-1	G-04-14-15-40-130-1	G-05-14-15-40-064-1	G-05-14-15-40-066-2	G-05-14-15-40-070-4	G-05-14-15-40-072-5
		Sample Date	11/15/2006	11/15/2006	11/15/2006	10/30/2006	11/9/2006	11/9/2006	11/9/2006	11/7/2006	11/7/2006	11/7/2006	11/7/2006
		Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
TOC	Total Organic Carbon %C	%	4.2	4.99	3.06	2.26	1.78	1.81	3.86	3.79	4.84	2.89	3.35
TOC	Total Organic Carbon %H	%	0.62	0.59	0.36	0.48	0.38	0.28	0.46	0.33	0.52	0.29	0.22
TOC	Total Organic Carbon %N	%	0.32	0.4	0.25	0.18	0.14	0.14	0.31	0.26	0.34	0.22	0.24
BC	Black Carbon %C	%	0.87	0.38	0.55	0.45	0.37	0.43	0.36	0.48	0.37	0.32	0.41
BC	Black Carbon %H	%	0.11	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
BC	Black Carbon %N	%	0.11	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
--	Organic Carbon [a]	%	3.33	4.61	2.51	1.81	1.41	1.38	3.5	3.31	4.47	2.57	2.94
SSA	SPECIFIC SURFACE AREA	m^2/g	2.12	0.89	2.21	2.4	2.86	2.94	0.97	0.55	0.5	0.45	0.35
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	44	18	13	23	16	16	41	19	27	15	16
PS	PERCENT SAND [b]	%	76	80	78	84	76	72	86	90	90	88	92
PS	PERCENT SILT	%	20	18	16	10	10	12	10	10	8	10	6
PS	PERCENT CLAY	%	4	2	6	6	14	16	4	0	2	2	2
PS	Retained on 250 [c]	%	17.9	14.7	14	19.7	30.3	28.9	11.3	7.7	6.2	5.6	13.3
PS	Soil Classification [d]	--	Loamy Sand	Loamy Sand	Loamy Sand	Loamy Sand	Sandy Loam	Sandy Loam	Loamy Sand	Sand	Sand	Sand	Sand

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	G-05-5-1-D		G-05-7-1		G-06-1-1		G-06-1-1-D		G-07-1-1		G-08-1-1		G-08-2-1		G-08-5-1		G-08-5-1-D		G-08-9-1		G-08-11-1	
		Location ID	G-05-14-15-40-072-5		G-05-14-15-40-102-7		G-06-14-14-60-002-1		G-06-14-14-60-002-1		G-07-14-14-60-002-1		G-08-14-14-70-070-1		G-08-14-14-70-072-2		G-08-14-14-70-078-5		G-08-14-14-70-078-5		G-08-14-14-70-090-9		G-08-14-14-70-094-11	
		Sample Date	11/7/2006		11/7/2006		10/26/2006		10/26/2006		10/27/2006		11/9/2006		11/9/2006		11/9/2006		11/9/2006		11/9/2006		11/9/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.52		1.48		9.54		2.6		4.4		3.48		3.06		2.31		2.09		1.69		2.9	
TOC	Total Organic Carbon %H	%	0.28		0.16		0.92		0.38		0.49		0.48		0.52		0.27		0.33		0.24		0.62	
TOC	Total Organic Carbon %N	%	0.3		0.12		0.54		0.25		0.32		0.31		0.26		0.21		0.18		0.14		0.26	
BC	Black Carbon %C	%	0.41		0.1	U	1.33		0.14		0.35		0.48		0.21		0.24		0.14		0.17		0.54	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.11		1.38		8.21		2.46		4.05		3		2.85		2.07		1.95		1.52		2.36	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.37		0.99		0.85		0.75		0.78		2.47		1.22		2.54		2.42		1.46		1.61	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	17		8		39		38		28		23		21		17		17		12		20	
PS	PERCENT SAND [b]	%	90		88		78		80		88		70		76		68		66		82		76	
PS	PERCENT SILT	%	6		8		20		16		10		18		14		22		26		10		16	
PS	PERCENT CLAY	%	4		4		2		4		2		12		10		10		8		8		8	
PS	Retained on 250 [c]	%	6.5		16.5		6.4		6.8		11.3		15.2		20.8		8.1		8.8		21.1		13.5	
PS	Soil Classification [d]	--	Sand		Sand		Loamy Sand		Loamy Sand		Sand		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Loamy Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	G-09-1-1		G-09-2-1		G-09-4-1		G-09-6-1		G-09-11-1		G-10-2-1		G-10-6-1		G-10-7-1		G-10-8-1		G-10-8-1-D		G-10-9-1	
		Location ID	G-09-14-14-80-184-1		G-09-14-14-80-186-2		G-09-14-14-80-190-4		G-09-14-14-80-194-6		G-09-14-14-80-204-11		G-10-14-14-10-314-2		G-10-14-14-10-496-6		G-10-14-14-10-498-7		G-10-14-14-10-502-8		G-10-14-14-10-502-8		G-10-14-14-10-504-9	
		Sample Date	10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	8.97		2.58		3.19		1.29		3.74		2.61		4.1		3.01		1.47		4.36		3.83	
TOC	Total Organic Carbon %H	%	0.95		0.42		0.49		0.36		0.51		0.35		0.41		0.42		0.2		0.66		0.8	
TOC	Total Organic Carbon %N	%	0.39		0.22		0.28		0.1		0.33		0.24		0.27		0.28		0.15		0.35		0.35	
BC	Black Carbon %C	%	0.16		0.1	U	0.28		0.15		0.17		0.17		1.23		0.35		0.24		0.59		0.56	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.13	
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	8.81		2.48		2.91		1.14		3.57		2.44		2.87		2.66		1.23		3.77		3.27	
SSA	SPECIFIC SURFACE AREA	m^2/g	2.11		1.68		1.17		4.38		1.84		1.13		0.36		0.28		1.16		1.18		2.21	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	69		37		52		24		18		18		36		23		31		31		31	
PS	PERCENT SAND [b]	%	76		84		80		82		76		82		88		92		74		72		68	
PS	PERCENT SILT	%	16		14		16		12		20		16		12		8		22		26		28	
PS	PERCENT CLAY	%	8		2		4		6		4		2		0		0		4		2		4	
PS	Retained on 250 [c]	%	28.7		7.3		10.1		4.7		18.4		6.1		21.3		25.4		5.6		11.6		8.5	
PS	Soil Classification [d]	--	Sandy Loam		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sand		Sand		Loamy Sand		Loamy Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	G-11-1-1		G-11-3-1		G-11-5-1		G-11-7-1		G-12-4-1		G-12-5-1		G-12-6-1		G-12-6-1-D		G-12-9-1		H-02-1-1		H-03-1-1	
		Location ID	G-11-14-11-40-054-1		G-11-14-11-40-058-3		G-11-14-11-40-080-5		G-11-14-11-40-084-7		G-12-14-11-30-220-4		G-12-14-11-30-222-5		G-12-14-11-30-224-6		G-12-14-11-30-224-6		G-12-14-11-40-476-9		H-02-14-22-20-150-1		H-03-14-21-30-007-1	
		Sample Date	10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		10/25/2006		11/2/2006		11/13/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	1.73		2.24		3.08		3.06		3.38		2.47		3.64		2.97		3.5		3.36		5.06	
TOC	Total Organic Carbon %H	%	0.39		0.44		0.63		0.43		0.59		0.53		0.55		0.8		0.7		0.55		0.72	
TOC	Total Organic Carbon %N	%	0.15		0.18		0.29		0.28		0.27		0.22		0.31		0.31		0.29		0.32		0.37	
BC	Black Carbon %C	%	0.1	U	0.19		0.77		0.12		0.19		0.17		0.55		0.99		0.38		0.23		1.92	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.11		0.1	U	0.1	U	0.28		0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.11		0.1	U	0.1	U	0.1	U	0.1	U	0.1		0.1	U	0.1	U	0.2	
--	Organic Carbon [a]	%	1.63		2.05		2.31		2.94		3.19		2.3		3.09		1.98		3.12		3.13		3.14	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.75		0.52		2.29		0.49		1.66		4.98		4.16		7.03		2.24		4.13		0.86	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	20		21		24		24		25		25		33		35		38		13		30	
PS	PERCENT SAND [b]	%	72		78		74		86		78		70		64		64		66		72		78	
PS	PERCENT SILT	%	26		18		20		12		16		14		22		20		28		18		18	
PS	PERCENT CLAY	%	2		4		6		2		6		16		14		16		6		10		4	
PS	Retained on 250 [c]	%	11.6		6.4		9.7		12.9		6.1		4.9		8.7		12.2		27.7		23.1		9	
PS	Soil Classification [d]	--	Loamy Sand		Loamy Sand		Sandy Loam		Sand		Loamy Sand		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Sandy Loam		Loamy Sand	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 2 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	H-04-1-1		H-05-1-1		I-01-1-1	I-02-1-1		I-04-1-1		I-04-1-1-D		I-05-1-1		I-06-1-1	
		Location ID	H-04-14-14-60-002-1		H-05-14-14-60-002-1		I-01-14-22-20-150-1	I-02-14-21-30-007-1		I-04-14-23-10-200-1		I-04-14-23-10-200-1		I-05-14-14-30-010-1		I-06-14-14-30-010-1	
		Sample Date	10/27/2006		10/27/2006		11/14/2006	11/14/2006		11/1/2006		11/1/2006		11/17/2006		11/10/2006	
		Sample Depth (in)	0-1		0-1		0-1	0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil	Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**															
TOC	Total Organic Carbon %C	%	5		5.36		2.85	6.41		1.89		1.86		0.96		1.03	
TOC	Total Organic Carbon %H	%	0.54		0.63		0.65	0.51		0.17		0.17		0.21		0.12	
TOC	Total Organic Carbon %N	%	0.36		0.34		0.18	0.43		0.12		0.11		0.1	U	0.1	U
BC	Black Carbon %C	%	0.63		0.62		1.56	1.08		0.26		0.2		0.12		0.1	U
BC	Black Carbon %H	%	0.1	U	0.1	U	0.31	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.11	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	4.37		4.74		1.29	5.33		1.63		1.66		0.84		0.93	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.4		1.87		1.98	0.48		0.56		0.77		3.19		1.24	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	34		32		17	35		14		14		13		7	
PS	PERCENT SAND [b]	%	86		84		80	92		90		90		88		90	
PS	PERCENT SILT	%	12		12		12	6		8		8		10		6	
PS	PERCENT CLAY	%	2		4		8	2		2		2		2		4	
PS	Retained on 250 [c]	%	14.8		8.2		16.3	31.1		9.6		10.3		14.3		13	
PS	Soil Classification [d]	--	Sand		Loamy Sand		Loamy Sand	Sand		Sand		Sand		Sand		Sand	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

TABLE F-1, part 3 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	I-07-1-1		I-08-1-1		I-09-1-1		I-10-1-1		K-01-1-1		K-03-1-1		K-04-1-1		K-04-10-1		K-04-10-1-D		K-04-12-1		K-04-14-1	
		Location ID	I-07-14-14-30-010-1		I-08-14-14-30-010-1		I-09-14-13-10-800-1		I-10-14-13-10-800-1		K-01-14-21-30-006-1		K-03-14-23-60-132-1		K-04-14-23-30-430-1		K-04-14-23-60-020-10		K-04-14-23-60-020-10		K-04-14-23-60-028-12		K-04-14-23-60-036-14	
		Sample Date	11/10/2006		10/28/2006		10/27/2006		10/27/2006		10/30/2006		11/15/2006		11/7/2006		11/7/2006		11/7/2006		11/7/2006		11/7/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.52		3.31		3.58		3.23		0.8		3.51		1.26		2.88		3.09		2.18		3.86	
TOC	Total Organic Carbon %H	%	0.3		0.32		0.38		0.47		0.12		0.33		0.1		0.39		0.34		0.16		0.59	
TOC	Total Organic Carbon %N	%	0.2		0.21		0.29		0.23		0.1	U	0.25		0.1		0.24		0.26		0.17		0.34	
BC	Black Carbon %C	%	0.21		0.17		0.61		0.31		0.1	U	0.73		0.18		0.32		0.4		0.27		0.69	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	
--	Organic Carbon [a]	%	3.31		3.14		2.97		2.92		0.7		2.78		1.08		2.56		2.69		1.91		3.17	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.49		0.74		0.51		1.05		0.89		0.84		0.96		1.4		1.37		1.07		3.52	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	19		34		52		76		17		19		15		21		17		18		21	
PS	PERCENT SAND [b]	%	88		90		90		88		86		88		90		80		82		84		64	
PS	PERCENT SILT	%	10		10		8		8		8		12		6		10		10		10		24	
PS	PERCENT CLAY	%	2		0		2		4		6		0		4		10		8		6		12	
PS	Retained on 250 [c]	%	4.8		9.4		8.5		7.4		5.4		22.9		12.9		18.6		18.8		27.1		17.7	
PS	Soil Classification [d]	--	Sand		Sand		Sand		Sand		Loamy Sand		Sand		Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sieve
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 3 of 4
Soil Parameter Analytical Results
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Midland Area Soils

		Sample ID	K-04-15-1		K-05-1-1		K-05-2-1		K-05-2-1-D		K-05-5-1		K-05-6-1		K-05-14-1		K-06-1-1		K-06-2-1		K-06-2-1-D		K-06-3-1	
		Location ID	K-04-14-23-60-040-15		K-05-14-23-30-266-1		K-05-14-23-30-268-2		K-05-14-23-30-268-2		K-05-14-23-30-274-5		K-05-14-23-30-278-6		K-05-14-23-30-300-14		K-06-14-23-30-032-1		K-06-14-23-30-034-2		K-06-14-23-30-034-2		K-06-14-23-30-036-3	
		Sample Date	11/7/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/6/2006		11/6/2006		11/6/2006		11/6/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	2.88		2.77		1.7		1.67		1.74		4.66		2.11		4.96		1.96		1.99		2.53	
TOC	Total Organic Carbon %H	%	0.56		0.35		0.24		0.21		0.26		0.76		0.23		0.74		0.22		0.21		0.34	
TOC	Total Organic Carbon %N	%	0.22		0.21		0.14		0.14		0.15		0.41		0.17		0.4		0.16		0.14		0.19	
BC	Black Carbon %C	%	0.6		0.19		0.21		0.1	U	0.1		0.59		0.22		1.21		0.1	U	0.1	U	0.1	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.14		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.17		0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	2.28		2.58		1.49		1.57		1.64		4.07		1.89		3.75		1.86		1.89		2.43	
SSA	SPECIFIC SURFACE AREA	m^2/g	2.12		0.64		0.81		1.02		0.76		0.94		1.21		1.48		0.66		0.58		0.84	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	21		21		15		10		7		20		19		25		13		13		14	
PS	PERCENT SAND [b]	%	72		84		90		88		86		76		86		74		86		88		86	
PS	PERCENT SILT	%	18		12		6		8		8		16		10		20		12		10		10	
PS	PERCENT CLAY	%	10		4		4		4		6		8		4		6		2		2		4	
PS	Retained on 250 [c]	%	23.1		15.6		18.9		21.7		18.9		21.7		11.5		12.4		24.7		24.3		23.9	
PS	Soil Classification [d]	--	Sandy Loam		Loamy Sand		Sand		Sand		Loamy Sand		Sandy Loam		Loamy Sand		Sandy Loam		Sand		Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 3 of 4
Soil Parameter Analytical Results
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		Sample ID	K-07-5-1	K-07-7-1	K-07-8-1	K-07-9-1	K-08-1-1	K-08-2-1	K-08-5-1	K-08-9-1	K-08-12-1	K-09-1-1	K-10-1-1
		Location ID	K-07-14-24-70-022-5	K-07-14-24-70-064-7	K-07-14-24-70-066-8	K-07-14-24-70-068-9	K-08-14-24-70-164-1	K-08-14-24-70-168-2	K-08-14-24-70-176-5	K-08-14-24-70-280-9	K-08-14-24-70-289-12	K-09-14-24-70-301-1	K-10-14-24-20-004-1
		Sample Date	10/25/2006	10/25/2006	10/25/2006	10/25/2006	11/2/2006	11/2/2006	11/2/2006	11/2/2006	11/2/2006	11/9/2006	11/10/2006
		Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
TOC	Total Organic Carbon %C	%	3.62	3.94	3.35	2.06	2.03	3.28	2.89	3.54	4.33	2.82	4.63
TOC	Total Organic Carbon %H	%	0.71	0.52	0.49	0.41	0.26	0.38	0.4	0.81	0.53	0.6	0.62
TOC	Total Organic Carbon %N	%	0.28	0.35	0.33	0.18	0.18	0.27	0.24	0.27	0.4	0.25	0.31
BC	Black Carbon %C	%	1.09	0.28	0.27	0.1 U	0.2	0.25	0.35	0.93	0.76	0.58	0.3
BC	Black Carbon %H	%	0.27	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.25	0.1 U	0.1 U	0.1 U
BC	Black Carbon %N	%	0.12	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.11	0.1 U	0.1 U	0.1 U
--	Organic Carbon [a]	%	2.53	3.66	3.08	1.96	1.83	3.03	2.54	2.61	3.57	2.24	4.33
SSA	SPECIFIC SURFACE AREA	m^2/g	2.38	0.46	1.54	0.9	0.5	0.51	0.6	4.14	0.98	1.94	2.58
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	22	64	23	20	16	20	20	27	20	20	30
PS	PERCENT SAND [b]	%	76	86	88	78	90	92	88	70	86	68	76
PS	PERCENT SILT	%	14	10	6	14	10	6	8	16	10	22	12
PS	PERCENT CLAY	%	10	4	6	8	0	2	4	14	4	10	12
PS	Retained on 250 [c]	%	36	12	10.7	26.1	17.6	19.1	22.3	12.9	24.4	15.5	20.7
PS	Soil Classification [d]	--	Sandy Loam	Loamy Sand	Sand	Loamy Sand	Sand	Sand	Sand	Sandy Loam	Loamy Sand	Sandy Loam	Sandy Loam

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 3 of 4
Soil Parameter Analytical Results
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Midland Area Soils

		Sample ID	K-10-1-1-D		K-11-1-1		L-02-1-1	L-03-1-1		L-03-1-1-D		L-04-1-1		L-05-1-1		M-01-1-1	M-02-1-1		M-03-1-1		M-04-1-1	
		Location ID	K-10-14-24-20-004-1		K-11-14-24-20-004-1		L-02-14-23-50-050-1	L-03-14-23-50-050-1		L-03-14-23-50-050-1		L-04-14-23-40-310-1		L-05-14-23-40-210-1		M-01-14-26-80-260-1	M-02-14-26-80-260-1		M-03-14-26-80-260-1		M-04-14-26-80-260-1	
		Sample Date	11/10/2006		11/10/2006		11/1/2006	11/1/2006		11/1/2006		11/7/2006		11/9/2006		11/13/2006	11/2/2006		11/9/2006		11/9/2006	
		Sample Depth (in)	0-1		0-1		0-1	0-1		0-1		0-1		0-1		0-1	0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil	Soil		Soil		Soil		Soil		Soil	Soil		Soil		Soil	
Group	**Analyte**	**Units**																				
TOC	Total Organic Carbon %C	%	4.85		4.84		8.34	5.8		5.91		3.48		4.79		4.04	3.58		1.11		3.73	
TOC	Total Organic Carbon %H	%	0.67		0.62		1.19	0.74		0.76		0.62		0.41		0.82	0.34		0.15		0.33	
TOC	Total Organic Carbon %N	%	0.32		0.36		0.45	0.39		0.4		0.25		0.28		0.37	0.15		0.1	U	0.21	
BC	Black Carbon %C	%	0.34		0.73		1.1	0.88		1.01		0.3		0.61		0.93	0.87		0.26		0.75	
BC	Black Carbon %H	%	0.1	U	0.1	U	1.07	0.1	U	0.11		0.1	U	0.1	U	0.43	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.15	0.1	U	0.1	U	0.1	U	0.1	U	0.15	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	4.51		4.11		7.24	4.92		4.9		3.18		4.18		3.11	2.71		0.85		2.98	
SSA	SPECIFIC SURFACE AREA	m^2/g	2.39		1.19		12.5	2.2		2.14		2.02		0.61		4.7	2.27		1.23		1.15	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	39		35		38	41		9		20		29		24	34		6		23	
PS	PERCENT SAND [b]	%	70		76		28	80		78		80		88		46	88		90		86	
PS	PERCENT SILT	%	20		14		32	12		12		12		10		32	8		8		12	
PS	PERCENT CLAY	%	10		10		40	8		10		8		2		22	4		2		2	
PS	Retained on 250 [c]	%	20.8		21.4		10	9.8		9.9		13.1		9.2		12.1	20.3		50.8		13.9	
PS	Soil Classification [d]	--	Sandy Loam		Sandy Loam		Clay	Loamy Sand		Sandy Loam		Loamy Sand		Sand		Loam	Sand		Sand		Sand	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

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Soil Parameter Analytical Results
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		Sample ID	M-04-1-1-D		M-05-1-1		M-06-1-1		M-07-1-1		M-07-1-1-D		M-08-1-1		M-09-1-1		M-10-1-1		M-11-1-1		R-02-1-1		R-02-2-1	
		Location ID	M-04-14-26-80-260-1		M-05-14-26-80-260-1		M-06-14-26-80-260-1		M-07-14-25-80-240-1		M-07-14-25-80-240-1		M-08-14-25-80-240-1		M-09-14-25-80-240-1		M-10-14-25-80-420-1		M-11-14-25-80-420-1		R-02-120-033-200-251-00-		R-02-120-033-200-252-00-	
		Sample Date	11/9/2006		11/9/2006		11/9/2006		11/28/2006		11/28/2006		11/3/2006		11/3/2006		11/2/2006		11/2/2006		10/30/2006		10/30/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.94		4.02		6.53		2.46		2.77		3.2		2.64		7.09		3.33		1.73		2	
TOC	Total Organic Carbon %H	%	0.35		0.38		0.69		0.9		0.83		0.46		0.21		0.72		0.54		0.13		0.22	
TOC	Total Organic Carbon %N	%	0.21		0.27		0.56		0.17		0.2		0.21		0.14		0.36		0.25		0.1		0.13	
BC	Black Carbon %C	%	0.73		0.35		0.76		0.58		0.56		0.52		0.26		0.35		0.29		0.1		0.13	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.98		0.4		0.1	U	0.1	U	0.1	U	0.1		0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.21		3.67		5.77		1.88		2.21		2.68		2.38		6.74		3.04		1.63		1.87	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.35		0.61		0.97		10.4		12.21		15.16		0.74		0.81		2.38		0.28		0.83	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	23		30		31		35		36		34		26		72		31		14		18	
PS	PERCENT SAND [b]	%	88		90		88		84		84		90		92		86		74		92		80	
PS	PERCENT SILT	%	10		8		10		14		12		8		8		10		16		6		14	
PS	PERCENT CLAY	%	2		2		2		2		4		2		0		4		10		2		6	
PS	Retained on 250 [c]	%	12.6		11.3		10.5		18.4		16.3		25.9		10.8		8.5		26.4		44.3		27.4	
PS	Soil Classification [d]	--	Sand		Sand		Sand		Loamy Sand		Loamy Sand		Sand		Sand		Loamy Sand		Sandy Loam		Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

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		Sample ID	R-02-6-1		R-02-8-1		R-02-9-1		R-03-1-1		R-03-1-1-D		R-04-4-1		R-04-6-1		R-04-8-1		R-04-9-1		R-04-9-1-D		S-01-1-1	
		Location ID	R-02-120-755-500-480-00-		R-02-120-755-500-500-00-		R-02-120-755-500-510-00-		R-03-120-033-200-622-00-		R-03-120-033-200-622-00-		R-04-120-033-200-470-00-		R-04-120-033-300-540-00-		R-04-120-033-300-560-00-		R-04-120-033-300-570-00-		R-04-120-033-300-570-00-		S-01-120-028-300-190-00-	
		Sample Date	10/30/2006		10/30/2006		10/30/2006		11/7/2006		11/7/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/8/2006		11/13/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	2.31		2.52		3.15		1.85		1.77		2.6		2.07		2.2		1.35		1.04		2.1	
TOC	Total Organic Carbon %H	%	0.63		0.33		0.42		0.45		0.37		0.67		0.13		0.35		0.14		0.1	U	0.37	
TOC	Total Organic Carbon %N	%	0.22		0.22		0.27		0.17		0.16		0.23		0.16		0.2		0.1	U	0.1	U	0.17	
BC	Black Carbon %C	%	0.63		0.24		0.18		0.17		0.17		0.38		0.1		0.11		0.1	U	0.1	U	0.1	
BC	Black Carbon %H	%	0.12		0.1	U	0.1	U	0.11		0.1	U	0.12		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	1.68		2.28		2.97		1.68		1.6		2.22		1.97		2.09		1.25		0.94		2	
SSA	SPECIFIC SURFACE AREA	m^2/g	2.25		0.97		1.18		6.08		5.79		3.98		0.5		0.86		1.51		1.58		1.32	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	10		21		35		14		13		21		19		17		12		13		18	
PS	PERCENT SAND [b]	%	72		80		78		56		76		66		84		82		90		92		76	
PS	PERCENT SILT	%	16		12		16		22		4		18		12		12		8		6		16	
PS	PERCENT CLAY	%	12		8		6		22		20		16		4		6		2		2		8	
PS	Retained on 250 [c]	%	22.5		26		26.8		22.3		20.4		17.5		37		45.6		42.6		60.6		30.7	
PS	Soil Classification [d]	--	Sandy Loam		Loamy Sand		Loamy Sand		Sandy Loam		SndClyLom		Sandy Loam		Loamy Sand		Loamy Sand		Sand		Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

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Soil Parameter Analytical Results
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		Sample ID	S-01-1-1-D		S-02-3-1		S-02-8-1		S-02-9-1		S-03-1-1		S-03-2-1		S-03-3-1		S-04-1-1		S-04-3-1		S-04-5-1		S-04-6-1	
		Location ID	S-01-120-028-300-190-00-S		S-02-120-600-500-100-00-S		S-02-120-600-500-160-00-S		S-02-120-600-500-180-00-S		S-03-120-029-400-256-00-S		S-03-120-029-400-280-00-S		S-03-120-029-400-290-00-S		S-04-120-032-100-110-00-S		S-04-120-450-500-010-00-S		S-04-120-450-500-030-00-S		S-04-120-450-500-110-00-(	
		Sample Date	11/13/2006		11/2/2006		11/2/2006		11/2/2006		11/17/2006		11/17/2006		11/17/2006		11/17/2006		11/17/2006		11/17/2006		11/17/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	1.72		4.16		3.06		2.87		1.69		2.18		2.97		2.39		3.61		1.03		2.84	
TOC	Total Organic Carbon %H	%	0.28		0.67		0.69		0.62		0.24		0.27		0.34		0.35		0.33		0.1	U	0.21	
TOC	Total Organic Carbon %N	%	0.14		0.35		0.27		0.25		0.1		0.17		0.18		0.22		0.33		0.1	U	0.18	
BC	Black Carbon %C	%	0.35		0.57		0.66		0.47		0.56		0.16		0.22		0.1	U	0.22		0.12		0.36	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.15		0.12		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	1.37		3.59		2.4		2.4		1.13		2.02		2.75		2.29		3.39		0.91		2.48	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.27		2.04		3.07		4.61		0.7		0.57		1.25		3.59		0.44		1.35		0.53	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	17		32		30		29		12		14		21		18		20		13		22	
PS	PERCENT SAND [b]	%	78		64		74		58		90		90		88		64		86		88		90	
PS	PERCENT SILT	%	14		28		18		28		10		10		8		28		14		10		10	
PS	PERCENT CLAY	%	8		8		8		14		0		0		4		8		0		2		0	
PS	Retained on 250 [c]	%	34.5		5.7		14.2		13.1		16.2		32.5		30		10.1		20.2		20.2		18.3	
PS	Soil Classification [d]	--	Loamy Sand		Sandy Loam		Sandy Loam		Sandy Loam		Sand		Sand		Sand		Sandy Loam		Sand		Sand		Sand	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

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Soil Parameter Analytical Results
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		Sample ID	T-01-1-1	T-01-2-1	T-01-3-1	T-01-4-1	T-01-6-1	T-02-1-1	T-03-1-1	T-03-1-1-D	T-03-5-1	T-03-7-1	T-03-9-1
		Location ID	T-01-120-029-100-885-00-1	T-01-120-029-100-887-00-2	T-01-120-029-100-910-00-3	T-01-120-029-100-953-00-4	T-01-120-029-100-956-00-6	T-02-120-029-100-810-00-1	T-03-120-029-100-530-00-1	T-03-120-029-100-530-00-1	T-03-120-029-100-631-00-5	T-03-120-029-400-865-00-7	T-03-120-029-400-886-00-9
		Sample Date	11/15/2006	11/15/2006	11/15/2006	11/15/2006	11/15/2006	11/14/2006	11/9/2006	11/9/2006	11/9/2006	11/9/2006	11/9/2006
		Sample Depth (in)	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1	0-1
		Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil
Group	**Analyte**	**Units**											
TOC	Total Organic Carbon %C	%	2.82	10.2	2.84	2.29	1.63	1.32	1.66	1.76	5.25	2.09	2.35
TOC	Total Organic Carbon %H	%	0.59	0.11	0.53	0.29	0.34	0.13	0.27	0.21	0.57	0.4	0.56
TOC	Total Organic Carbon %N	%	0.22	0.1 U	0.22	0.18	0.14	0.1 U	0.14	0.15	0.41	0.17	0.19
BC	Black Carbon %C	%	0.91	1.42	0.19	0.23	0.11	0.1 U	0.16	0.29	0.47	0.1	0.24
BC	Black Carbon %H	%	0.15	3.22	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
BC	Black Carbon %N	%	0.16	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U	0.1 U
--	Organic Carbon [a]	%	1.91	8.78	2.65	2.06	1.52	1.22	1.5	1.47	4.78	1.99	2.11
SSA	SPECIFIC SURFACE AREA	m^2/g	1.3	0.95	0.42	1.15	1.65	0.34	2.29	2.49	1.35	2.06	2.63
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	16	6	12	13	13	12	17	16	38	20	23
PS	PERCENT SAND [b]	%	74	70	84	74	80	86	66	72	76	72	60
PS	PERCENT SILT	%	16	24	14	20	12	12	24	20	18	16	26
PS	PERCENT CLAY	%	10	6	2	6	8	2	10	8	6	12	14
PS	Retained on 250 [c]	%	33.9	51.4	52.3	14	31.3	21.5	22.4	23.1	9.4	35.1	16.5
PS	Soil Classification [d]	--	Sandy Loam	Sandy Loam	Loamy Sand	Sandy Loam	Loamy Sand	Sand	Sandy Loam	Sandy Loam	Loamy Sand	Sandy Loam	Sandy Loam

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 3 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	T-04-1-1		T-04-3-1		T-04-4-1		U-01-1-1		U-02-1-1		U-03-1-1		U-04-1-1		V-04-1-1		V-04-5-1		V-04-6-1		V-04-7-1	
		Location ID	T-04-120-029-100-550-00-1		T-04-120-029-200-776-00-3		T-04-120-029-200-801-00-4		U-01-14-21-30-006-1		U-02-14-21-30-006-1		U-03-14-21-30-006-1		U-04-14-20-60-280-1		V-04-14-16-60-520-1		V-04-14-16-60-530-5		V-04-14-16-60-538-6		V-04-14-16-60-540-7	
		Sample Date	11/9/2006		11/9/2006		11/9/2006		11/2/2006		11/14/2006		11/10/2006		11/10/2006		11/9/2006		11/9/2006		11/9/2006		11/9/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	2.48		3.16		3.64		2.42		2.67		2.04		2.87		2.24		6.36		2.49		4.19	
TOC	Total Organic Carbon %H	%	0.67		0.42		0.71		0.32		0.76		0.55		0.26		0.59		1.23		0.27		0.45	
TOC	Total Organic Carbon %N	%	0.21		0.26		0.32		0.19		0.15		0.17		0.17		0.17		0.42		0.17		0.31	
BC	Black Carbon %C	%	0.56		0.81		0.37		0.32		0.69		0.43		0.29		0.52		0.79		1.24		0.63	
BC	Black Carbon %H	%	0.11		0.1	U	0.1	U	0.1	U	0.5		0.1	U	0.1	U	0.25		0.21		0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.11		0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	1.92		2.35		3.27		2.1		1.98		1.61		2.58		1.72		5.57		1.25		3.56	
SSA	SPECIFIC SURFACE AREA	m^2/g	4.18		2.56		3.69		1.08		2.23		5.92		9.07		0.53		1.35		0.36		0.85	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	23		28		23		32		14		26		29		19		16		27		20	
PS	PERCENT SAND [b]	%	54		48		48		86		72		50		40		86		82		90		76	
PS	PERCENT SILT	%	36		42		36		12		20		32		36		12		14		8		18	
PS	PERCENT CLAY	%	10		10		16		2		8		18		24		2		4		2		6	
PS	Retained on 250 [c]	%	12.6		6.9		10.5		43.7		54.3		11		10.3		47.1		51.6		44.9		35.2	
PS	Soil Classification [d]	--	Sandy Loam		Loam		Loam		Sand		Sandy Loam		Loam		Loam		Sand		Loamy Sand		Sand		Loamy Sand	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 3 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	V-04-9-1		V-05-1-1		V-05-2-1		V-05-5-1		V-05-6-1		V-05-8-1		V-06-5-1		V-06-5-1-D		V-06-7-1		V-06-10-1		V-08-1-1	
		Location ID	V-04-14-16-60-546-9		V-05-14-17-30-060-1		V-05-14-17-30-062-2		V-05-14-17-30-068-5		V-05-14-17-30-070-6		V-05-14-17-30-074-8		V-06-14-17-20-096-5		V-06-14-17-20-096-5		V-06-14-17-20-124-7		V-06-14-17-20-134-10		V-08-14-17-20-240-1	
		Sample Date	11/9/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		11/9/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	3.89		4.19		4.18		3.28		3.72		3.55		3.55		1.93		4.95		6.18		2.16	
TOC	Total Organic Carbon %H	%	0.35		0.42		0.48		0.32		0.38		0.5		0.56		0.36		0.52		0.99		0.59	
TOC	Total Organic Carbon %N	%	0.25		0.3		0.3		0.17		0.22		0.29		0.34		0.21		0.35		0.59		0.18	
BC	Black Carbon %C	%	0.66		0.24		0.62		0.12		1.24		0.15		0.35		0.14		0.68		0.29		0.45	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.23		3.95		3.56		3.16		2.48		3.4		3.2		1.79		4.27		5.89		1.71	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.8		0.64		0.86		0.98		0.79		1.57		0.89		0.84		1.58		1.36		1.53	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	18		27		28		27		18		28		20		22		32		29		14	
PS	PERCENT SAND [b]	%	86		82		80		78		86		80		76		74		76		74		76	
PS	PERCENT SILT	%	10		14		14		18		12		14		16		22		18		18		16	
PS	PERCENT CLAY	%	4		4		6		4		2		6		8		4		6		8		8	
PS	Retained on 250 [c]	%	34.7		44.6		46.9		35.8		45.5		40		32.1		31.9		33.1		35.1		24.7	
PS	Soil Classification [d]	--	Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sand		Loamy Sand		Sandy Loam		Loamy Sand		Loamy Sand		Sandy Loam		Sandy Loam	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 3 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	V-09-1-1		V-10-1-1		V-10-2-1		V-10-5-1		V-10-6-1		V-10-9-1		W-01-1-1		W-03-11-1		W-03-12-1	
		Location ID	V-09-14-08-40-500-1		V-10-14-08-50-074-1		V-10-14-08-50-076-2		V-10-14-08-50-086-5		V-10-14-08-50-088-6		V-10-14-08-50-094-9		W-01-14-21-20-266-1		W-03-14-21-80-490-11		W-03-14-21-80-492-12	
		Sample Date	11/7/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		10/26/2006		11/15/2006		11/13/2006		11/13/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																		
TOC	Total Organic Carbon %C	%	2.36		3.01		4.46		2.36		2.35		3.43		2.57		3.39		4.2	
TOC	Total Organic Carbon %H	%	0.33		0.54		0.64		0.24		0.39		0.52		0.31		0.33		0.34	
TOC	Total Organic Carbon %N	%	0.21		0.27		0.35		0.2		0.21		0.3		0.2		0.19		0.24	
BC	Black Carbon %C	%	0.42		0.17		0.7		0.1	U	0.24		0.7		0.29		1.13		1.33	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1		0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	1.94		2.84		3.76		2.26		2.11		2.73		2.28		2.26		2.87	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.71		2.37		0.66		2.27		2.18		1.07		0.63		0.83		1.3	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	21		17		27		26		29		56		13		18		18	
PS	PERCENT SAND [b]	%	78		66		84		68		70		86		82		88		92	
PS	PERCENT SILT	%	16		24		14		22		22		10		14		12		8	
PS	PERCENT CLAY	%	6		10		2		10		8		4		4		0		0	
PS	Retained on 250 [c]	%	60.3		22.6		35		22.4		13.9		32.8		32.7		2		3.3	
PS	Soil Classification [d]	--	Loamy Sand		Sandy Loam		Loamy Sand		Sandy Loam		Sandy Loam		Loamy Sand		Loamy Sand		Sand		Sand	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 4 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	W-03-5-1		W-03-7-1		W-03-7-1-D		W-03-9-1		W-03-9-1-D		W-04-1-1		W-04-2-1		W-04-6-1		W-04-7-1		W-04-8-1		W-05-1-1	
		Location ID	W-03-14-21-80-478-5		W-03-14-21-80-482-7		W-03-14-21-80-482-7		W-03-14-21-80-486-9		W-03-14-21-80-486-9		W-04-14-16-50-038-1		W-04-14-16-50-040-2		W-04-14-16-50-048-6		W-04-14-16-50-050-7		W-04-14-16-50-052-8		W-05-14-16-50-900-1	
		Sample Date	11/13/2006		11/13/2006		11/13/2006		11/13/2006		11/13/2006		11/20/2006		11/20/2006		11/20/2006		11/20/2006		11/20/2006		11/15/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**																						
TOC	Total Organic Carbon %C	%	4.18		4.73		4.83		2.81		2.74		2.9		1.57		5.05		3.63		2.75		2.69	
TOC	Total Organic Carbon %H	%	0.61		0.32		0.29		0.49		0.42		0.2		0.16		0.38		0.35		0.25		0.48	
TOC	Total Organic Carbon %N	%	0.26		0.22		0.2		0.21		0.19		0.16		0.1	U	0.32		0.25		0.17		0.23	
BC	Black Carbon %C	%	1.15		2.06		2.42		0.44		0.72		1.17		0.12		1.13		0.95		0.76		0.41	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.03		2.67		2.41		2.37		2.02		1.73		1.45		3.92		2.68		1.99		2.28	
SSA	SPECIFIC SURFACE AREA	m^2/g	1.53		1.04		1.11		1.27		1.39		1.53		2.11		0.9		1.38		0.63		3.61	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	21		19		19		18		21		16		10		12		15		11		14	
PS	PERCENT SAND [b]	%	74		82		84		80		78		84		88		86		80		88		70	
PS	PERCENT SILT	%	20		14		12		14		14		14		10		14		16		12		18	
PS	PERCENT CLAY	%	6		4		4		6		8		2		2		0		4		0		12	
PS	Retained on 250 [c]	%	22.7		27.8		30.6		27.4		35.1		34.3		35.7		22.3		21.8		31.1		18.9	
PS	Soil Classification [d]	--	Sandy Loam		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Loamy Sand		Sand		Sand		Loamy Sand		Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC
[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology
[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sieve
[d] Soil classificaiton based on the USDA textural triangle
U = undetected

TABLE F-1, part 4 of 4
Soil Parameter Analytical Results
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

		Sample ID	W-06-1-1		W-06-2-1		W-06-6-1		W-06-8-1		W-06-10-1	
		Location ID	W-06-14-16-60-402-1		W-06-14-16-60-404-2		W-06-14-16-60-412-6		W-06-14-16-60-446-8		W-06-14-16-60-450-10	
		Sample Date	11/20/2006		11/20/2006		11/20/2006		11/20/2006		11/20/2006	
		Sample Depth (in)	0-1		0-1		0-1		0-1		0-1	
		Sample Type	Soil		Soil		Soil		Soil		Soil	
Group	**Analyte**	**Units**										
TOC	Total Organic Carbon %C	%	3.85		2.75		1.59		3.48		2.07	
TOC	Total Organic Carbon %H	%	0.27		0.24		0.19		0.58		0.31	
TOC	Total Organic Carbon %N	%	0.27		0.18		0.12		0.23		0.16	
BC	Black Carbon %C	%	0.46		0.36		0.29		0.71		0.4	
BC	Black Carbon %H	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
BC	Black Carbon %N	%	0.1	U	0.1	U	0.1	U	0.1	U	0.1	U
--	Organic Carbon [a]	%	3.39		2.39		1.3		2.77		1.67	
SSA	SPECIFIC SURFACE AREA	m^2/g	0.35		0.39		0.78		1.6		2.15	
PS	PERCENT MOISTURE (MASS H2O/MASS TOTAL)	%	15		15		13		6		8	
PS	PERCENT SAND [b]	%	88		90		86		80		78	
PS	PERCENT SILT	%	12		8		10		14		12	
PS	PERCENT CLAY	%	0		2		4		6		10	
PS	Retained on 250 [c]	%	29.2		35.2		42.5		29.6		30.6	
PS	Soil Classification [d]	--	Sand		Sand		Loamy Sand		Loamy Sand		Sandy Loam	

[a] Organic carbon = TOC minus BC

[b] Sand, silt, clay fraction derived by ASTM D422-63 Methodology

[c] Retained on 250 = the amount of sand retained on a 250 micron (No. 60) sie

[d] Soil classificaiton based on the USDA textural triangle

U = undetected

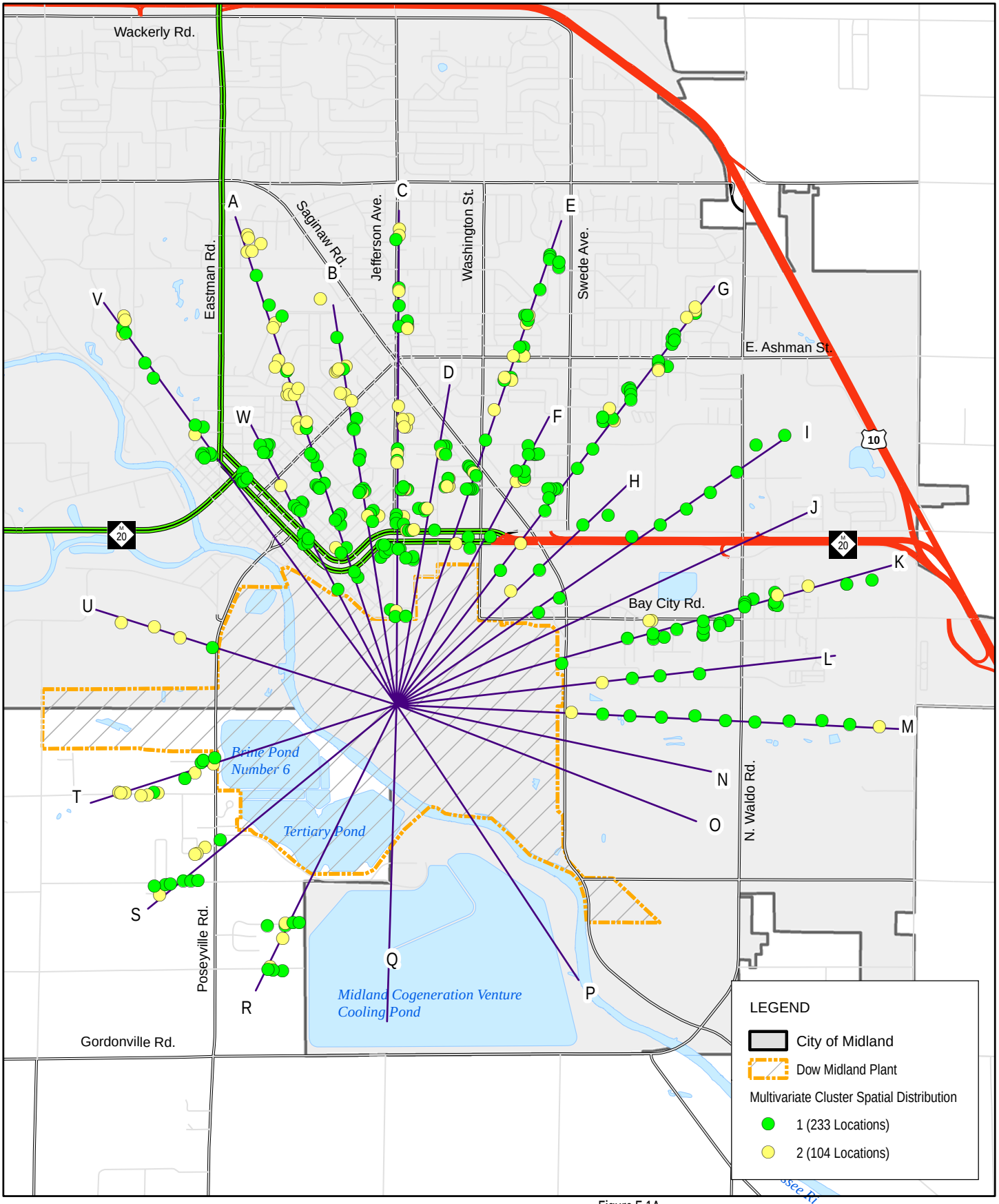

Figure F-1A
2-Group Cluster Distribution
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

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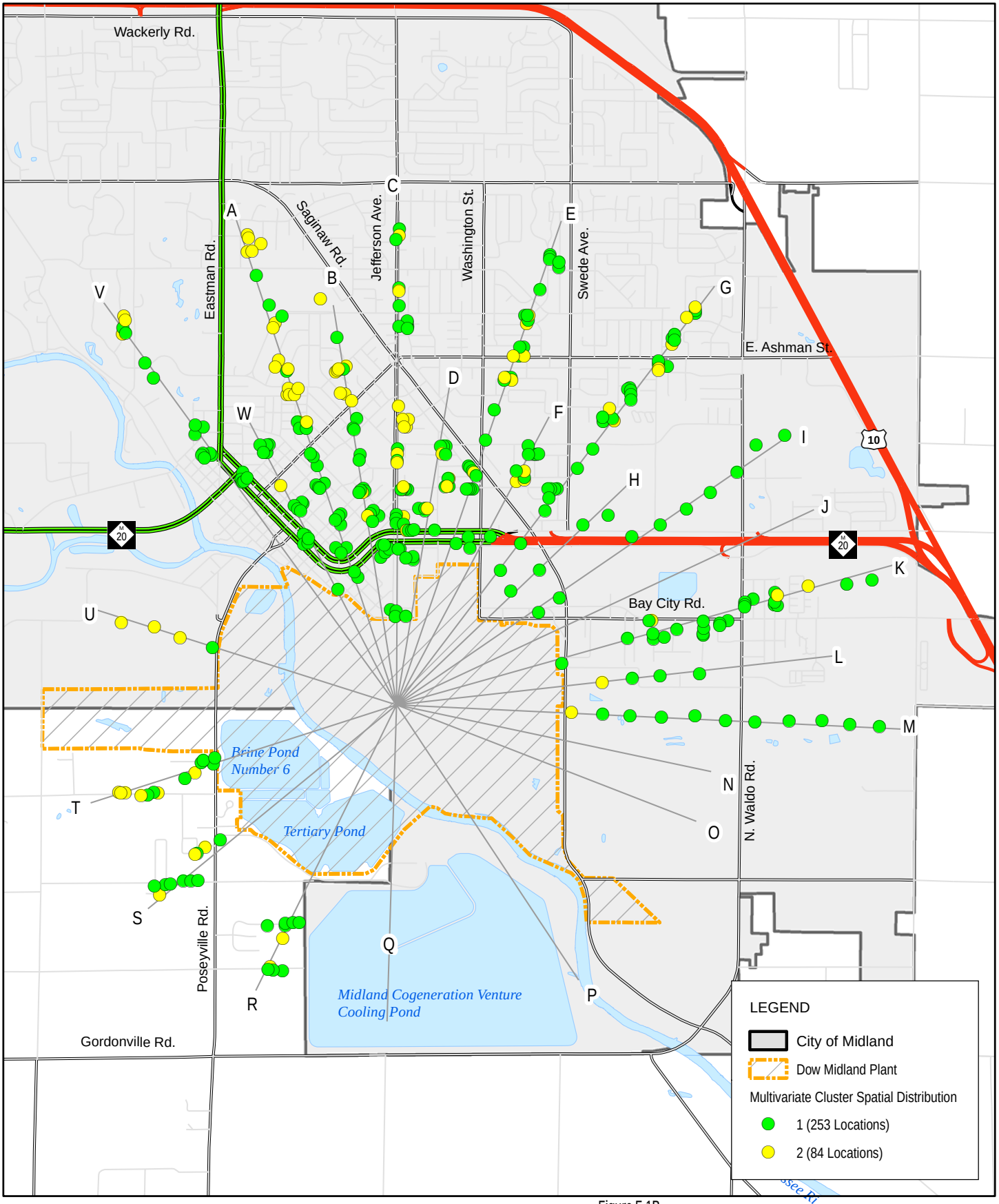

0 2,000 4,000
Feet

Figure F-1B
2-Group Cluster Distribution (Alt)
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

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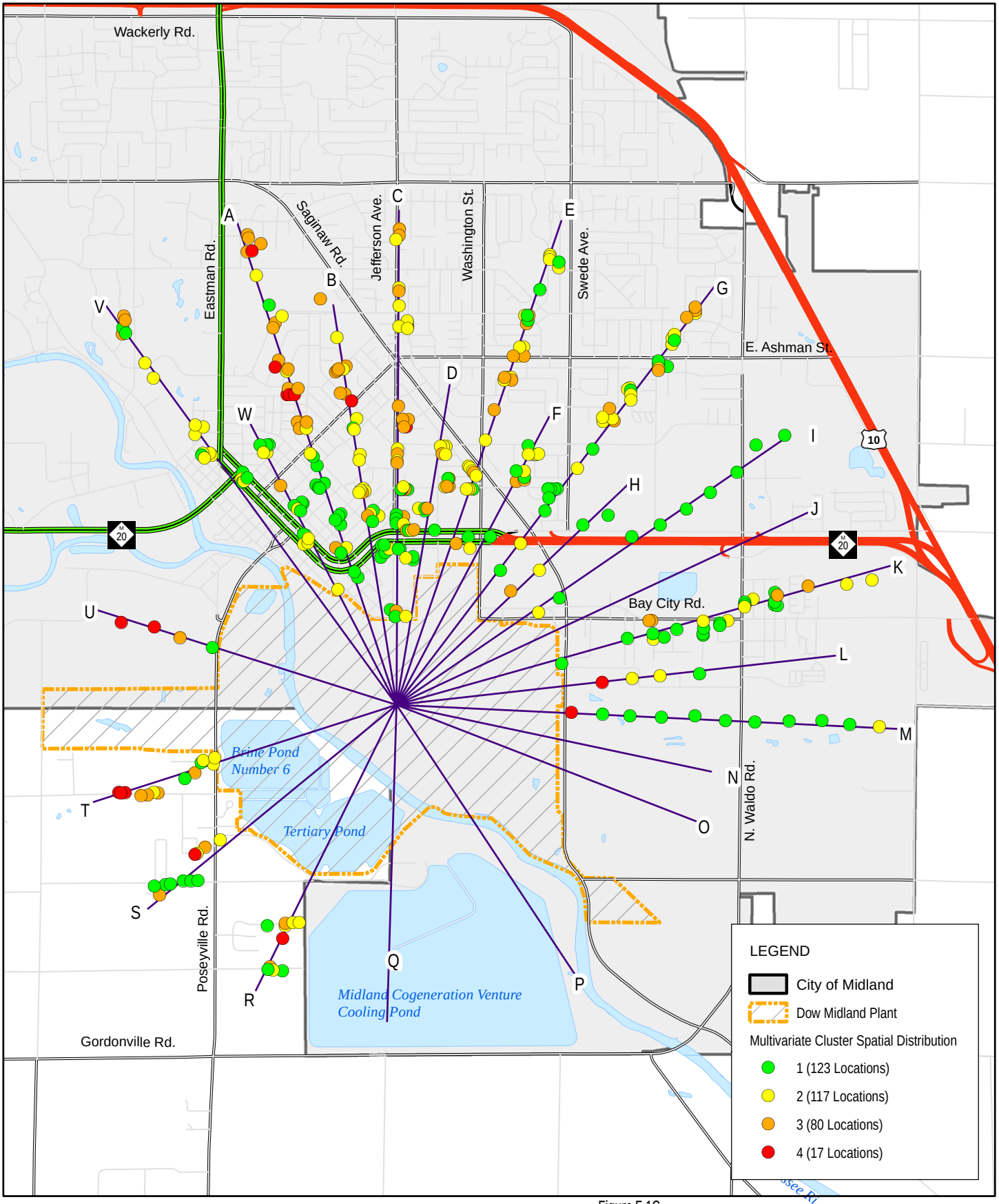

Figure F-1C
4-Group Cluster Distribution
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

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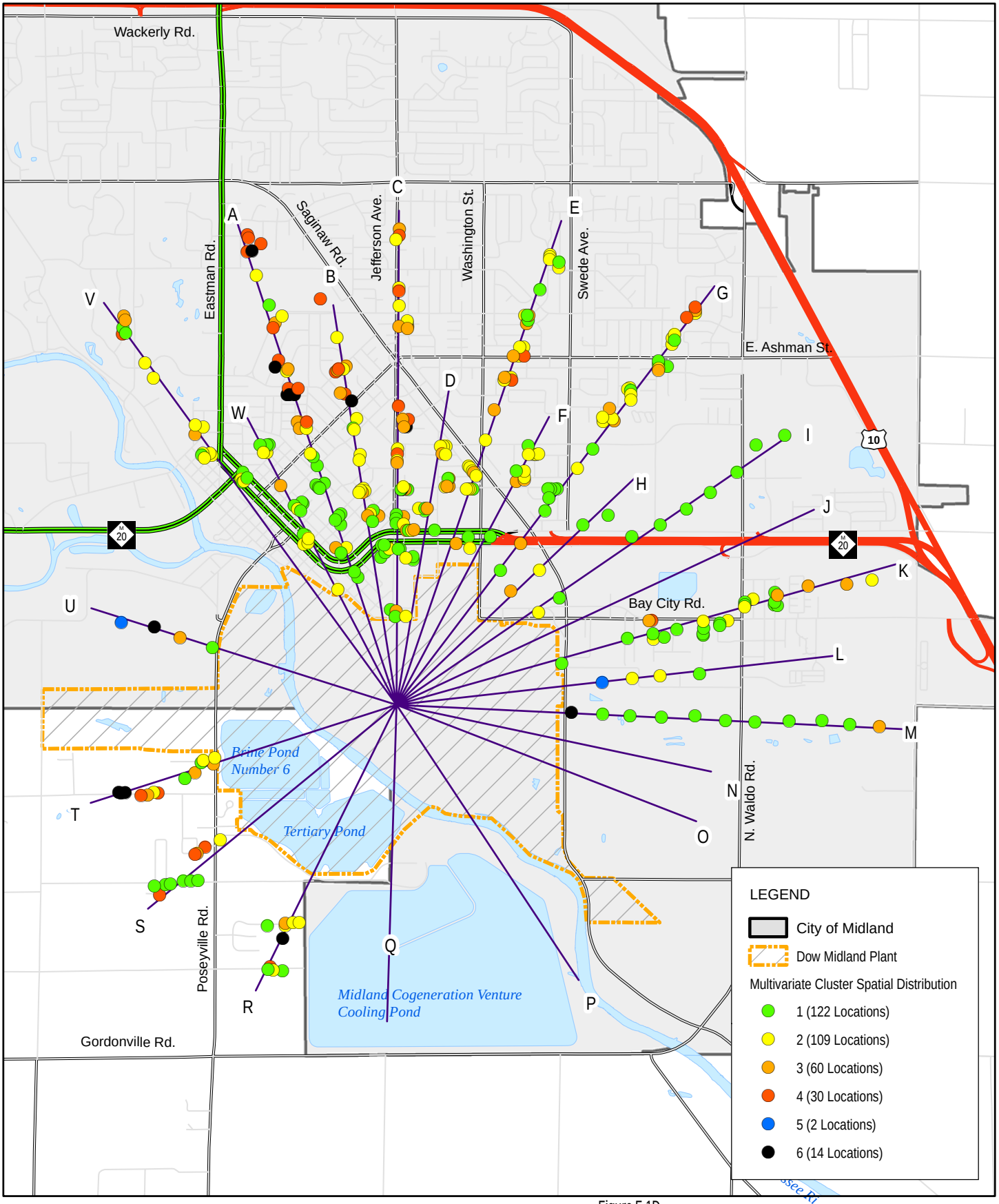

Figure F-1D
6-Group Cluster Distribution
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

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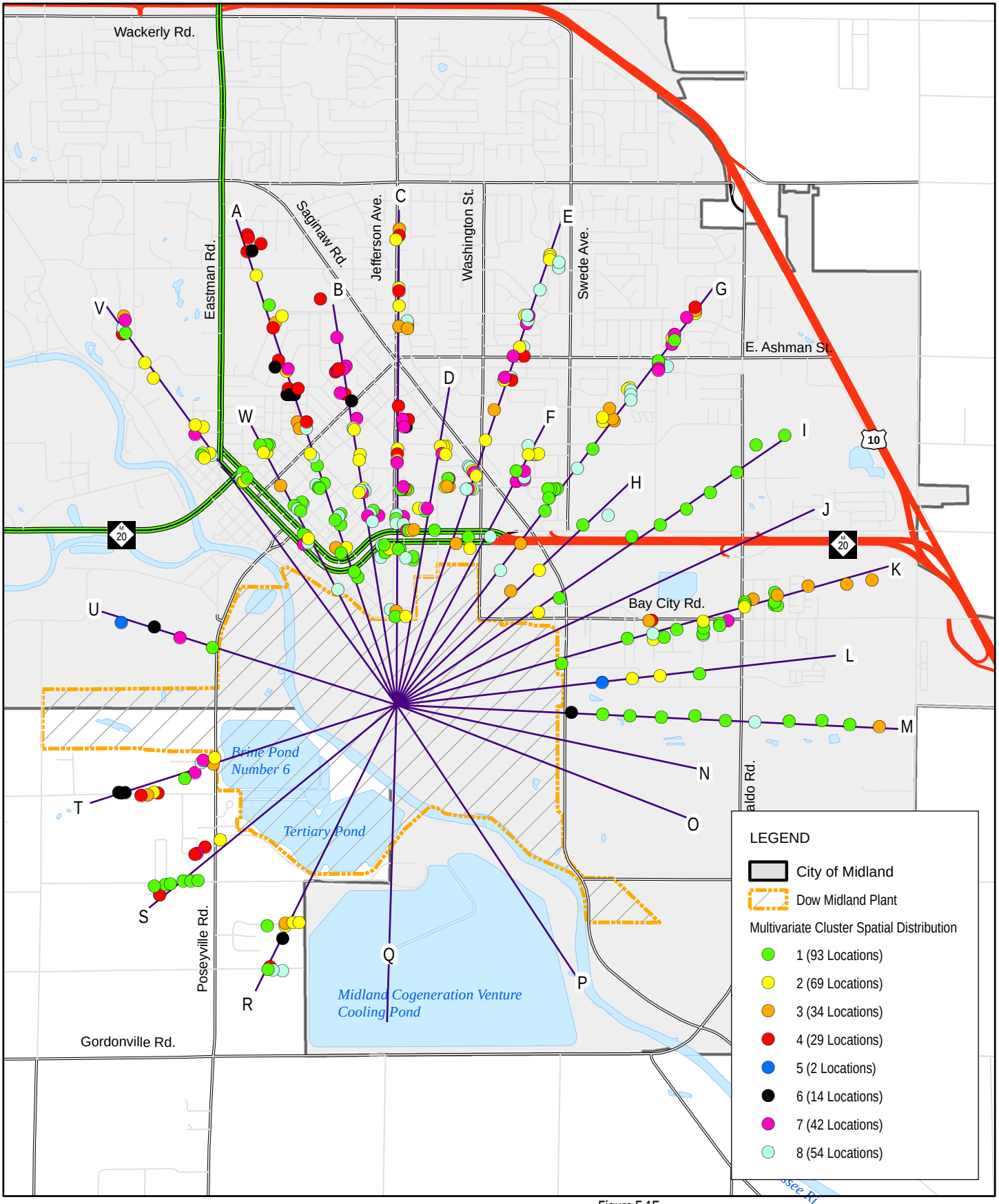

0 2,000 4,000
Feet

Figure F-1E
8-Group Cluster Distribution
Data Evaluation Report in Support of Bioavailability Study
Midland Area Soils

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