

TABLE 10
Dioxin-Furan Congener Screening Evaluation
 Proposed Strecker Forest Development
 Wildwood, Missouri
 MUNDELL Project No. 08044

Chemical Constituent	Congeners Not Identified in Background Sample Set															
	B-02 (2.0-3.0 ⁰)	B-04 (0.0-1.0 ⁰)	B-06 (0.0-2.0 ⁰)	B-08 (0.0-1.0 ⁰)	B-10 (0.5-2.0 ⁰)	B-12 (3.0-5.0 ⁰)	B-14 (6.0-8.0 ⁰)	B-19 (1.0-2.0 ⁰)	B-23 (0.0-1.0 ⁰)	B-24 (1.0-2.0 ⁰)	B-27 (0.5-2.5 ⁰)	B-28 (0.5-1.5 ⁰)	B-30 (0.0-1.0 ⁰)	MW-02 (1.0-2.0 ⁰)	MW-03 (4.0-5.0 ⁰)	MW-06 (7.0-10.0 ⁰)
1,2,3,4,7,8,9-HxCDF (decalinum)	ND	ND	ND	ND	0.48 QJ	ND	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND	10
1,2,3,4,7,8-HxCDF	ND	0.19 J	0.17 QJ	0.48 C J	0.77 QJ	ND	ND	ND	ND	0.42 C J	ND	ND	ND	ND	ND	20 Q
1,2,3,6,7,8-HxCDF (heptalimum)	ND	0.35 J	0.59 J	0.51 QJ	1.2 QJ	0.14 J	ND	ND	ND	0.35 QJ	ND	ND	ND	ND	ND	4.7 J
1,2,3,7,8,9-HxCDF	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
1,2,3,7,8,9-PeCDD (pentadecalin)	ND	ND	ND	0.46 QJ	0.20 QJ	ND	ND	ND	ND	0.55 QJ	0.1 QJ	ND	ND	ND	ND	1.9 J
1,2,3,7,8-PeCDF (pentalimum)	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.4 J
2,3,4,6,7,8-HxCDF (hexalimum)	ND	0.20 J	0.11 J	0.21 QJ	0.25 QJ	ND	ND	ND	ND	0.22 QJ	ND	ND	ND	ND	ND	3.8 J
2,3,4,7,8-PeCDF (pentalimum)	ND	ND	ND	ND	0.3 J	ND	ND	ND	ND	0.18 J	ND	ND	ND	ND	ND	5.1
2,3,7,8-TCDF (tetrachlorodibenzo-p-dioxin)	ND	1.6	3.5	3.7	1.9	ND	ND	ND	ND	0.65 J	ND	ND	ND	ND	ND	9,100 E, 6,500 D
2,3,7,8-TCDF (tetrachlorodibenzofuran)	ND	ND	ND	0.18 QJ	1 Q	ND	ND	ND	ND	0.48 QJ	ND	ND	ND	ND	ND	48
PASS/FAIL CONTENT SCREENING	PASS	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	FAIL	PASS	PASS	PASS	FAIL

NOTES:
 1) Dioxin/Furan concentrations reported in pg/g (parts per trillion).
 2) J = Estimated result. Result is less than Reporting Limit (RL), but above the Method Detection Limit (MDL).
 3) E = Estimated result. Result concentration exceeds the calibration range.
 4) D = Result was obtained from the analysis of a dilution.
 5) Q = Estimated maximum possible concentration
 6) C = Co-eluting isomer.
 CRITERIA:
 PASS = All congeners present match background congener set.
 FAIL = At least one congener present that is not in background.