

**Table 3.1-1
Data Summary-Cane Area 1
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	141	95	46	0.09	0.13	0.2	14
Barium	141	141	0	---	---	0.9	119
Cadmium	141	8	133	0.03	0.06	0.06	0.22
Chromium	141	141	0	---	---	0.6	35
Copper	141	141	0	---	---	3	113
Lead	141	132	9	0.05	0.45	0.2	16
Mercury	141	89	52	0.002	0.01	0.002	0.1
Selenium	141	75	66	0.08	0.45	0.17	8
Silver	141	5	136	0.03	0.25	0.08	0.5
Organic (ug/kg)							
2,4,5-T	136	0	136	0.55	16	N/D	N/D
2,4,5-TP	136	0	136	0.55	27	N/D	N/D
2,4-D	136	2	134	6	65	14	138
2,4-DB	136	0	136	6	50	N/D	N/D
4,4'-DDD	141	2	139	0.23	6	0.97	1.7
4,4'-DDE	141	27	114	0.07	1.2	0.5	343
4,4'-DDT	141	11	130	0.08	1.2	0.74	98.8
a-BHC	141	0	141	0.09	2.9	N/D	N/D
a-Chlordane	141	4	137	0.07	0.6	0.5	23.6
Aldrin	141	0	141	0.11	2.9	N/D	N/D
Aspon	56	0	56	3.2	6	N/D	N/D
Atrazine	141	25	116	7.5	31	19	555
Azinphos ethyl	56	0	56	10.5	20	N/D	N/D
Azinphos methyl	141	0	141	7	150	N/D	N/D
b-BHC	141	0	141	0.14	3.5	N/D	N/D
Bolstar	141	0	141	6.5	150	N/D	N/D
Carbophenothion	56	0	56	3.2	6	N/D	N/D
Chlorfenvinphos	56	0	56	6	11	N/D	N/D
Chlorpyrifos	141	0	141	8.5	150	N/D	N/D
Chlorpyrifos methyl	56	0	56	6.5	12	N/D	N/D
Coumaphos	141	0	141	8.5	150	N/D	N/D
Crotoxyphos	56	0	56	9	17	N/D	N/D
Dalapon	80	0	80	24.5	210	N/D	N/D
d-BHC	141	0	141	0.07	2.9	N/D	N/D
Demeton-O+S	141	0	141	11.5	600	N/D	N/D
Diazinon	141	0	141	7.5	150	N/D	N/D
Dicamba	136	0	136	0.55	18	N/D	N/D
Dichlorprop	136	0	136	6	50	N/D	N/D
Dichlorvos	141	0	141	6.5	150	N/D	N/D
Dicrotophos	56	0	56	7	13	N/D	N/D
Dieldrin	141	3	138	0.1	0.8	0.61	34.5
Dimethoate	141	0	141	4.8	150	N/D	N/D
Dinoseb	139	0	139	6	390	N/D	N/D
Disulfoton	141	0	141	11	295	N/D	N/D
Endosulfan I	141	3	138	0.09	2.9	0.86	2.6

**Table 3.1-1
Data Summary-Cane Area 1
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Endosulfan II	141	4	137	0.11	2.9	0.9	30.5
Endosulfan sulfate	141	12	129	0.1	6.5	0.47	75.9
Endrin	141	0	141	0.1	6	N/D	N/D
Endrin aldehyde	141	0	141	0.1	9	N/D	N/D
Endrin ketone	141	0	141	0.16	7.5	N/D	N/D
EPN	141	0	141	6	150	N/D	N/D
Ethion	56	0	56	7	13	N/D	N/D
Ethoprop	141	2	139	5.5	150	17	23
Famphur	56	0	56	9.5	18	N/D	N/D
Fenitrothion	56	0	56	50	95	N/D	N/D
Fensulfothion	141	0	141	6.5	150	N/D	N/D
Fenthion	141	0	141	5.5	150	N/D	N/D
Fonophos	56	0	56	5.5	10	N/D	N/D
g-BHC	141	0	141	0.2	2.9	N/D	N/D
g-Chlordane	141	3	138	0.2	2.0	0.7	19.6
Heptachlor	141	0	141	0.2	2.9	N/D	N/D
Heptachlor epoxide	141	0	141	0.08	2.9	N/D	N/D
Leptophos	56	0	56	6.5	12	N/D	N/D
Malathion	141	0	141	6	150	N/D	N/D
MCPA	136	0	136	8.5	9500	N/D	N/D
MCPPP	136	0	136	7	5000	N/D	N/D
Merphos	141	0	141	8.5	600	N/D	N/D
Methoxychlor	141	0	141	0.08	6	N/D	N/D
Mevinphos	141	0	141	5.5	150	N/D	N/D
Monocrotophos	141	0	141	6	600	N/D	N/D
Naled	141	0	141	6.5	385	N/D	N/D
Parathion	141	0	141	4.25	150	N/D	N/D
Parathion methyl	141	0	141	3.7	150	N/D	N/D
Pentachlorophenol	80	0	80	0.6	4.7	N/D	N/D
Phorate	141	0	141	1.05	150	N/D	N/D
Phosmet	56	0	56	3.7	7	N/D	N/D
Phosphamidon	56	0	56	9	17	N/D	N/D
Picloram	56	0	56	11.5	22	N/D	N/D
Ronnel	141	0	141	6.5	150	N/D	N/D
Simazine	141	0	141	7	145	N/D	N/D
Stirofos	141	0	141	6.5	150	N/D	N/D
Sulfotepp	141	0	141	6.5	150	N/D	N/D
TEPP	141	0	141	13.5	750	N/D	N/D
Terbufos	56	0	56	1.05	2	N/D	N/D
Thionazin	56	0	56	6.5	12	N/D	N/D
Tokuthion	141	0	141	7	150	N/D	N/D
Toxaphene	141	2	139	8.5	75	84.4	1310
Trichloronate	141	0	141	6.5	150	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-2
Data Summary-Cane Area 2
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
<i>Inorganic (mg/kg)</i>							
Arsenic	389	389	0	---	---	1.3	24
Barium	389	389	0	---	---	14	184
Cadmium	389	83	306	0.03	0.1	0.06	0.58
Chromium	389	389	0	---	---	1.2	41
Copper	389	389	0	---	---	15.4	404
Lead	389	386	3	0.05	0.15	0.3	32.9
Mercury	389	389	0	---	---	0.01	0.13
Selenium	389	323	66	0.3	1	0.56	9.2
Silver	389	23	366	0.03	0.9	0.3	1.7
<i>Organic (ug/kg)</i>							
2,4,5-T	389	0	389	0.9	46	N/D	N/D
2,4,5-TP	389	2	387	0.5	46.5	9.4	16.8
2,4-D	389	8	381	5.5	500	32.9	168
2,4-DB	389	0	389	5.5	500	N/D	N/D
4,4'-DDD	389	101	288	0.23	27	0.83	420
4,4'-DDE	389	313	76	0.1	6	0.56	2400
4,4'-DDT	389	237	152	0.08	8.5	0.83	3500
a-BHC	389	0	389	0.09	13	N/D	N/D
a-Chlordane	389	116	273	0.07	4.65	0.58	170
Aldrin	389	6	383	0.11	13	1	4.8
Aspon	264	0	264	3.4	10.5	N/D	N/D
Atrazine	389	220	169	8.5	145	16	1150
Azinphos ethyl	264	0	264	11.5	34.5	N/D	N/D
Azinphos methyl	389	0	389	7.5	230	N/D	N/D
b-BHC	389	0	389	0.14	15.5	N/D	N/D
Bolstar	389	0	389	7	230	N/D	N/D
Carbophenothion	264	0	264	3.4	10.5	N/D	N/D
Chlorfenvinphos	264	0	264	6	19	N/D	N/D
Chlorpyrifos	389	0	389	8.5	230	N/D	N/D
Chlorpyrifos methyl	264	0	264	7	20.5	N/D	N/D
Coumaphos	389	0	389	8.5	230	N/D	N/D
Crotoxyphos	264	0	264	9.5	29.5	N/D	N/D
Dalapon	125	0	125	23	2050	N/D	N/D
d-BHC	389	0	389	0.07	13	N/D	N/D
Demeton-O+S	389	0	389	12.5	900	N/D	N/D
Diazinon	389	0	389	8	230	N/D	N/D
Dicamba	389	0	389	0.5	46	N/D	N/D
Dichlorprop	389	0	389	5.5	500	N/D	N/D
Dichlorvos	389	0	389	7	230	N/D	N/D
Dicrotophos	264	0	264	7.5	22.5	N/D	N/D
Dieldrin	389	118	271	0.17	8	0.47	410
Dimethoate	389	0	389	5	230	N/D	N/D
Dinoseb	380	0	380	6	1550	N/D	N/D
Disulfoton	389	0	389	12	460	N/D	N/D
Endosulfan I	389	3	386	0.09	13	1.1	3.8

**Table 3.1-2
Data Summary-Cane Area 2
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Endosulfan II	389	0	389	0.11	13	N/D	N/D
Endosulfan sulfate	389	2	387	0.10	28.5	0.89	1.4
Endrin	389	13	376	0.1	26	0.6	7.4
Endrin aldehyde	388	0	388	0.1	39	N/D	N/D
Endrin ketone	389	14	375	0.16	33.5	1.7	100
EPN	389	0	389	6	230	N/D	N/D
Ethion	264	0	264	7.5	22.5	N/D	N/D
Ethoprop	389	14	375	5.5	230	23	67
Famphur	264	0	264	10	31	N/D	N/D
Fenitrothion	264	0	264	55	165	N/D	N/D
Fensulfothion	389	0	389	7	230	N/D	N/D
Fenthion	389	0	389	5.5	230	N/D	N/D
Fonophos	264	0	264	5.5	17	N/D	N/D
g-BHC	389	0	389	0.18	13	N/D	N/D
g-Chlordane	389	111	278	0.18	3.6	0.91	520
Heptachlor	389	0	389	0.18	13	N/D	N/D
Heptachlor epoxide	389	57	332	0.08	4.65	0.55	150
Leptophos	264	0	264	7	20.5	N/D	N/D
Malathion	389	0	389	6	230	N/D	N/D
MCPA	389	0	389	9	90,000	N/D	N/D
MCPP	389	0	389	7.5	50,000	N/D	N/D
Merphos	389	0	389	9	900	N/D	N/D
Methoxychlor	389	0	389	0.08	26	N/D	N/D
Mevinphos	389	0	389	5.5	230	N/D	N/D
Monocrotophos	389	0	389	6	900	N/D	N/D
Naled	389	0	389	7	1100	N/D	N/D
Parathion	389	0	389	4.55	230	N/D	N/D
Parathion methyl	389	0	389	4	230	N/D	N/D
Pentachlorophenol	125	1	124	0.9	46	9.2	9.2
Phorate	389	0	389	1.15	230	N/D	N/D
Phosmet	264	0	264	4	12	N/D	N/D
Phosphamidon	264	0	264	9.5	29.5	N/D	N/D
Picloram	264	0	264	12.5	38	N/D	N/D
Ronnel	389	0	389	7	230	N/D	N/D
Simazine	389	0	389	7.5	145	N/D	N/D
Stirofos	389	0	389	7	230	N/D	N/D
Sulfotepp	389	0	389	7	230	N/D	N/D
TEPP	389	0	389	14	2250	N/D	N/D
Terbufos	264	1	263	1.15	3.45	9600	9600
Thionazin	264	0	264	7	20.5	N/D	N/D
Tokuthion	389	0	389	7.5	230	N/D	N/D
Toxaphene	389	30	359	8.5	600	65.4	14400
Trichloronate	389	0	389	7	230	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-3
Data Summary-Cane Area 3
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	261	259	2	0.1	0.13	0.3	48
Barium	261	261	0	---	---	3.5	178
Cadmium	261	51	210	0.03	0.1	0.09	0.39
Chromium	261	261	0	N/D	N/D	0.8	46
Copper	261	261	0	N/D	N/D	11	314
Lead	261	261	0	N/D	N/D	0.5	110
Mercury	261	261	0	N/D	N/D	0.01	0.21
Selenium	261	251	10	0.3	1.7	0.29	14
Silver	261	53	208	0.04	0.95	0.5	2.6
Organic (ug/kg)							
2,4,5-T	261	8	253	0.7	32	1.4	17.2
2,4,5-TP	261	0	261	0.65	55	N/D	N/D
2,4-D	261	19	242	7.5	135	20	109
2,4-DB	261	0	261	5.5	65	N/D	N/D
4,4'-DDD	261	123	138	0.23	5.5	1	180
4,4'-DDE	261	207	54	0.07	1	0.6	1900
4,4'-DDT	261	177	84	0.08	9.5	0.4	2700
a-BHC	261	0	261	0.09	7	N/D	N/D
a-Chlordane	261	57	204	0.07	7	0.7	130
Aldrin	261	43	218	0.11	7	0.7	8.2
Aspon	171	0	171	3.1	12	N/D	N/D
Atrazine	261	143	118	10	50	17	950
Azinphos ethyl	171	0	171	10.5	40	N/D	N/D
Azinphos methyl	261	0	261	7	165	N/D	N/D
b-BHC	261	0	261	0.14	8.5	N/D	N/D
Bolstar	261	0	261	6	165	N/D	N/D
Carbophenothion	171	0	171	3.1	12	N/D	N/D
Chlorfenvinphos	171	0	171	5.5	22	N/D	N/D
Chlorpyrifos	261	0	261	9.5	165	N/D	N/D
Chlorpyrifos methyl	171	0	171	6	24	N/D	N/D
Coumaphos	261	0	261	9	165	N/D	N/D
Crotoxyphos	171	0	171	9	34	N/D	N/D
Dalapon	90	0	90	30	260	N/D	N/D
d-BHC	261	0	261	0.07	7	N/D	N/D
Demeton-O+S	261	0	261	11.5	650	N/D	N/D
Diazinon	261	0	261	7.5	165	N/D	N/D
Dicamba	261	0	261	0.7	36	N/D	N/D
Dichlorprop	261	0	261	5.5	65	N/D	N/D
Dichlorvos	261	0	261	6	165	N/D	N/D
Dicrotophos	171	0	171	7	26	N/D	N/D
Dieldrin	261	137	124	0.1	0.6	0.5	480
Dimethoate	261	0	261	4.7	165	N/D	N/D
Dinoseb	255	0	255	5.5	380	N/D	N/D
Disulfoton	261	0	261	11	325	N/D	N/D
Endosulfan I	261	3	258	0.09	7	0.7	2.7
Endosulfan II	261	5	256	0.11	7	0.91	89
Endosulfan sulfate	261	7	254	0.10	15.5	0.72	3.9
Endrin	261	15	246	0.1	14.5	1.8	120
Endrin aldehyde	256	1	255	0.1	70	6.5	6.5
Endrin ketone	261	0	261	0.16	18.5	N/D	N/D
EPN	261	0	261	5.5	165	N/D	N/D
Ethion	171	0	171	7	26	N/D	N/D

**Table 3.1-3
Data Summary-Cane Area 3
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Ethoprop	261	6	255	5	165	19	42
Famphur	171	0	171	9.5	36	N/D	N/D
Fenitrothion	171	0	171	49.5	190	N/D	N/D
Fensulfothion	261	0	261	6	165	N/D	N/D
Fenthion	261	0	261	5	165	N/D	N/D
Fonophos	171	0	171	5	20	N/D	N/D
g-BHC	261	1	260	0.21	7	0.62	0.62
g-Chlordane	261	46	215	0.21	7	1.3	260
Heptachlor	261	0	261	0.21	7	N/D	N/D
Heptachlor epoxide	261	44	217	0.08	7	1.2	96
Leptophos	171	0	171	6	24	N/D	N/D
Malathion	261	0	261	5.5	165	N/D	N/D
MCPA	261	0	261	8.5	27,000	N/D	N/D
MCPPP	261	0	261	7	6500	N/D	N/D
Merphos	261	0	261	8.5	650	N/D	N/D
Methoxychlor	261	0	261	0.08	14.5	N/D	N/D
Mevinphos	261	0	261	5	165	N/D	N/D
Monocrotophos	261	0	261	5.5	700	N/D	N/D
Naled	261	0	261	6	485	N/D	N/D
Parathion	261	0	261	4.15	165	N/D	N/D
Parathion methyl	261	0	261	3.65	165	N/D	N/D
Pentachlorophenol	90	1	89	0.65	6	3.1	3.1
Phorate	261	0	261	1.05	165	N/D	N/D
Phosmet	171	0	171	3.65	14	N/D	N/D
Phosphamidon	171	0	171	9	34	N/D	N/D
Picloram	171	0	171	11.5	44	N/D	N/D
Ronnel	261	0	261	6	165	N/D	N/D
Simazine	261	0	261	7	50	N/D	N/D
Stirofos	261	0	261	6	165	N/D	N/D
Sulfotepp	261	0	261	6	165	N/D	N/D
TEPP	261	0	261	13	950	N/D	N/D
Terbufos	171	1	170	1.1	4	2200	2200
Thionazin	171	0	171	6	24	N/D	N/D
Tokuthion	261	0	261	7	165	N/D	N/D
Toxaphene	261	3	258	8.5	900	166	442
Trichloronate	261	0	261	6	165	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-4
Data Summary-Cane Area 4
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	163	162	1	4.1	4.1	0.32	29
Barium	163	162	1	48.7	48.7	5.5	244
Cadmium	163	38	125	0.03	0.12	0.07	0.53
Chromium	163	162	1	14.5	14.5	0.8	30.2
Copper	163	162	1	15.1	15.1	11	152
Lead	163	162	1	4.95	4.95	0.9	16
Mercury	163	162	1	0.06	0.06	0.02	0.17
Selenium	163	137	26	0.3	1.3	0.3	8.5
Silver	163	25	138	0.03	1.2	0.4	2.5
Organic (ug/kg)							
2,4,5-T	163	1	162	0.6	31	5.6	5.6
2,4,5-TP	163	0	163	0.6	50	N/D	N/D
2,4-D	163	12	151	6.5	130	30.1	96.8
2,4-DB	163	0	163	6.5	80	N/D	N/D
4,4'-DDD	163	55	108	0.28	3.5	0.92	3000
4,4'-DDE	163	128	35	0.09	3.6	0.52	5100
4,4'-DDT	163	103	60	0.10	7	0.9	5800
a-BHC	163	0	163	0.11	2.15	N/D	N/D
a-Chlordane	163	11	152	0.09	3.45	2.4	72
Aldrin	163	0	163	0.13	2.15	N/D	N/D
Aspon	100	0	100	3.55	11.5	N/D	N/D
Atrazine	163	59	104	8.5	49.5	29	530
Azinphos ethyl	100	0	100	12	38.5	N/D	N/D
Azinphos methyl	163	0	163	7.5	25	N/D	N/D
b-BHC	163	0	163	0.16	2.6	N/D	N/D
Bolstar	163	0	163	7	25	N/D	N/D
Carbophenothion	100	0	100	3.55	11.5	N/D	N/D
Chlorfenvinphos	100	0	100	6.5	21	N/D	N/D
Chlorpyrifos	163	0	163	9.5	34.5	N/D	N/D
Chlorpyrifos methyl	100	0	100	7	23	N/D	N/D
Coumaphos	163	0	163	9.5	250	N/D	N/D
Crotoxyphos	100	0	100	10	32.5	N/D	N/D
Dalapon	63	0	63	26	285	N/D	N/D
d-BHC	163	0	163	0.09	2.15	N/D	N/D
Demeton-O+S	163	0	163	13	100	N/D	N/D
Diazinon	163	0	163	8.5	27	N/D	N/D
Dicamba	163	0	163	0.6	34.5	N/D	N/D
Dichlorprop	163	0	163	6.5	70	N/D	N/D
Dichlorvos	163	0	163	7	25	N/D	N/D
Dicrotophos	100	0	100	7.5	25	N/D	N/D
Dieldrin	163	31	132	0.16	2	0.44	410
Dimethoate	163	0	163	5.5	25	N/D	N/D
Dinoseb	159	0	159	6.5	350	N/D	N/D
Disulfoton	163	0	163	12.5	50	N/D	N/D
Endosulfan I	163	11	152	0.11	2.15	1.3	15
Endosulfan II	163	14	149	0.13	2.15	1.7	36
Endosulfan sulfate	163	21	142	0.12	4.75	1.4	62
Endrin	163	1	162	0.12	4.35	0.57	0.57
Endrin aldehyde	163	0	163	0.12	10.5	N/D	N/D
Endrin ketone	163	0	163	0.19	5.5	N/D	N/D
EPN	163	0	163	6.5	25	N/D	N/D
Ethion	100	0	100	7.5	25	N/D	N/D

**Table 3.1-4
Data Summary-Cane Area 4
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Ethoprop	163	1	162	6	25	100	100
Famphur	100	0	100	10.5	34.5	N/D	N/D
Fenitrothion	100	0	100	55	185	N/D	N/D
Fensulfothion	163	0	163	7	25	N/D	N/D
Fenthion	163	0	163	6	25	N/D	N/D
Fonophos	100	0	100	6	19	N/D	N/D
g-BHC	163	5	158	0.19	4.1	0.5	71.1
g-Chlordane	163	10	153	0.19	5.5	1.3	53
Heptachlor	163	1	162	0.19	3.25	1.7	1.7
Heptachlor epoxide	163	5	158	0.1	2.15	3.4	12
Leptophos	100	0	100	7	23	N/D	N/D
Malathion	163	0	163	6.5	25	N/D	N/D
MCPA	163	0	163	9.5	12,500	N/D	N/D
MCPP	163	0	163	7.5	7000	N/D	N/D
Merphos	164	0	164	9.5	100	N/D	N/D
Methoxychlor	163	0	163	0.10	7	N/D	N/D
Mevinphos	163	0	163	6	25	N/D	N/D
Monocrotophos	164	0	164	6.5	100	N/D	N/D
Naled	163	0	163	7	800	N/D	N/D
Parathion	163	0	163	4.75	25	N/D	N/D
Parathion methyl	163	0	163	4.15	25	N/D	N/D
Pentachlorophenol	63	0	63	0.6	6.5	N/D	N/D
Phorate	163	0	163	1.2	25	N/D	N/D
Phosmet	100	0	100	4.15	13.5	N/D	N/D
Phosphamidon	100	0	100	10	32.5	N/D	N/D
Picloram	100	0	100	13	42.5	N/D	N/D
Ronnel	163	0	163	7	25	N/D	N/D
Simazine	163	0	163	7.5	49.5	N/D	N/D
Stirofos	163	0	163	7	250	N/D	N/D
Sulfotepp	163	0	163	7	25	N/D	N/D
TEPP	164	0	164	15	2000	N/D	N/D
Terbufos	100	0	100	1.2	3.85	N/D	N/D
Thionazin	100	0	100	7	23	N/D	N/D
Tokuthion	163	0	163	7.5	25	N/D	N/D
Toxaphene	163	1	162	10.5	270	372	372
Trichloronate	163	0	163	7	25	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-5
Data Summary-Dunwoody Citrus
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	32	16	16	0.10	0.13	0.29	2.4
Barium	32	32	0	---	---	1.3	7.7
Cadmium	32	0	32	0.03	0.05	N/D	N/D
Chromium	32	32	0	---	---	1.1	4.8
Copper	32	32	0	---	---	11	73
Lead	32	32	0	---	---	0.2	5.9
Mercury	32	6	26	0.001	0.01	0.003	0.01
Selenium	32	7	25	0.08	0.35	0.19	0.29
Silver	32	1	31	0.03	0.15	0.07	0.07
Organic (ug/kg)							
2,4,5-T	32	2	30	0.55	10.5	1.6	1.8
2,4,5-TP	32	0	32	0.55	17.5	N/D	N/D
2,4-D	32	0	32	6	43	N/D	N/D
2,4-DB	32	0	32	6	31	N/D	N/D
4,4'-DDD	32	0	32	0.26	0.48	N/D	N/D
4,4'-DDE	32	7	25	0.08	0.48	0.4	6.9
4,4'-DDT	32	1	31	0.09	0.48	1.1	1.1
a-BHC	32	0	32	0.11	0.24	N/D	N/D
a-Chlordane	32	0	32	0.08	1.9	N/D	N/D
Aldrin	32	0	32	0.12	0.24	N/D	N/D
Aspon	7	0	7	3.3	3.85	N/D	N/D
Atrazine	32	0	32	7.5	23	N/D	N/D
Azinphos ethyl	7	0	7	11	13	N/D	N/D
Azinphos methyl	32	0	32	7	12	N/D	N/D
b-BHC	32	0	32	0.16	0.29	N/D	N/D
Bolstar	31	0	31	6.5	12	N/D	N/D
Carbophenothion	7	0	7	3.3	3.85	N/D	N/D
Chlorfenvinphos	7	0	7	6	7	N/D	N/D
Chlorpyrifos	32	0	32	9	12	N/D	N/D
Chlorpyrifos methyl	7	0	7	6.5	7.5	N/D	N/D
Coumaphos	32	0	32	9	12	N/D	N/D
Crotoxyphos	7	0	7	9.5	11	N/D	N/D
Dalapon	25	0	25	23.5	125	N/D	N/D
d-BHC	32	0	32	0.08	0.24	N/D	N/D
Demeton-O+S	32	0	32	12	47	N/D	N/D
Diazinon	32	0	32	7.5	12	N/D	N/D
Dicamba	32	0	32	0.55	11.5	N/D	N/D
Dichlorprop	32	0	32	6	31	N/D	N/D
Dichlorvos	32	0	32	6.5	12	N/D	N/D
Dicrotophos	7	0	7	7	8.5	N/D	N/D
Dieldrin	32	1	31	0.16	0.24	0.59	0.59
Dimethoate	32	0	32	4.95	12	N/D	N/D
Dinoseb	32	0	32	6	95	N/D	N/D
Disulfoton	32	0	32	11.5	23.5	N/D	N/D
Endosulfan I	32	1	31	0.10	0.24	1.7	1.7
Endosulfan III	32	0	32	0.12	0.24	N/D	N/D
Endosulfan sulfate	32	0	32	0.11	0.5	N/D	N/D
Endrin	32	0	32	0.12	0.48	N/D	N/D
Endrin aldehyde	32	0	32	0.12	0.7	N/D	N/D
Endrin ketone	32	0	32	0.18	0.6	N/D	N/D
EPN	32	0	32	6	12	N/D	N/D
Ethion	7	0	7	7	8.5	N/D	N/D
Ethoprop	32	0	32	5.5	12	N/D	N/D

**Table 3.1-5
Data Summary-Dunwoody Citrus
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Famphur	7	0	7	10	11.5	N/D	N/D
Fenitrothion	7	0	7	50	60	N/D	N/D
Fensulfothion	32	0	32	6.5	12	N/D	N/D
Fenthion	32	0	32	5.5	12	N/D	N/D
Fonophos	7	0	7	5.5	6.5	N/D	N/D
g-BHC	32	2	30	0.18	0.40	0.53	0.53
g-Chlordane	32	1	31	0.18	1.15	0.55	0.55
Heptachlor	32	0	32	0.18	0.32	N/D	N/D
Heptachlor epoxide	32	0	32	0.09	0.24	N/D	N/D
Leptophos	7	0	7	6.5	7.5	N/D	N/D
Malathion	32	0	32	6	12	N/D	N/D
MCPA	32	0	32	9	5500	N/D	N/D
MCPP	32	0	32	7	3100	N/D	N/D
Merphos	32	0	32	9	47	N/D	N/D
Methoxychlor	32	0	32	0.09	0.48	N/D	N/D
Mevinphos	32	0	32	5.5	12	N/D	N/D
Monocrotophos	32	0	32	6	47	N/D	N/D
Naled	32	0	32	6.5	235	N/D	N/D
Parathion	32	0	32	4.4	12	N/D	N/D
Parathion methyl	32	0	32	3.85	12	N/D	N/D
Pentachlorophenol	25	0	25	0.55	2.8	N/D	N/D
Phorate	32	0	32	1.1	12	N/D	N/D
Phosmet	7	0	7	3.85	4.5	N/D	N/D
Phosphamidon	7	0	7	9.5	11	N/D	N/D
Picloram	7	0	7	12	14	N/D	N/D
Ronnel	32	0	32	6.5	12	N/D	N/D
Simazine	32	0	32	7	23	N/D	N/D
Stirofos	32	0	32	6.5	12	N/D	N/D
Sulfotepp	32	0	32	6.5	12	N/D	N/D
TEPP	32	0	32	13.5	470	N/D	N/D
Terbufos	7	0	7	1.1	1.3	N/D	N/D
Thionazin	7	0	7	6.5	7.5	N/D	N/D
Tokuthion	32	0	32	7	12	N/D	N/D
Toxaphene	32	0	32	9.5	29.5	N/D	N/D
Trichloronate	32	0	32	6.5	12	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-6
Data Summary-Devil's Garden
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	45	10	35	0.09	0.2	0.2	1.1
Barium	45	45	0	---	---	0.72	3
Cadmium	45	2	43	0.03	0.05	0.06	0.08
Chromium	45	45	0	---	---	0.66	8.9
Copper	45	45	0	---	---	13	52.5
Lead	45	38	7	0.05	0.55	0.1	1.1
Mercury	45	19	26	0.001	0.01	0.002	0.02
Selenium	45	6	39	0.08	0.35	0.18	0.31
Silver	45	0	45	0.03	0.15	N/D	N/D
Organic (ug/kg)							
2,4,5-T	45	0	45	0.7	11	N/D	N/D
2,4,5-TP	45	0	45	0.7	18	N/D	N/D
2,4-D	45	0	45	7.5	45.5	N/D	N/D
2,4-DB	45	0	45	6	31.5	N/D	N/D
4,4'-DDD	45	0	45	0.25	0.65	N/D	N/D
4,4'-DDE	45	1	44	0.08	0.85	1.2	1.2
4,4'-DDT	45	1	44	0.08	1	0.93	0.93
a-BHC	45	0	45	0.1	0.25	N/D	N/D
a-Chlordane	45	0	45	0.08	0.24	N/D	N/D
Aldrin	45	0	45	0.12	0.27	N/D	N/D
Aspon	26	0	26	3.2	4.05	N/D	N/D
Atrazine	45	0	45	7.5	24	N/D	N/D
Azinphos ethyl	26	0	26	10.5	13.5	N/D	N/D
Azinphos methyl	44	0	44	7	115	N/D	N/D
b-BHC	45	0	45	0.15	0.36	N/D	N/D
Bolstar	44	0	44	6.5	115	N/D	N/D
Carbophenothion	26	0	26	3.2	4.05	N/D	N/D
Chlorfenvinphos	26	0	26	6	7.5	N/D	N/D
Chlorpyrifos	44	3	41	8.5	115	27	66
Chlorpyrifos methyl	26	0	26	6.5	8	N/D	N/D
Coumaphos	44	0	44	8.5	115	N/D	N/D
Crotoxyphos	26	0	26	9	11.5	N/D	N/D
Dalapon	19	0	19	30.5	125	N/D	N/D
d-BHC	45	0	45	0.08	0.36	N/D	N/D
Demeton-O+S	44	0	44	11.5	450	N/D	N/D
Diazinon	44	0	44	7.5	115	N/D	N/D
Dicamba	45	0	45	0.7	12	N/D	N/D
Dichlorprop	45	0	45	6	31.5	N/D	N/D
Dichlorvos	44	0	44	6.5	115	N/D	N/D
Dicrotophos	26	0	26	7	9	N/D	N/D
Dieldrin	45	0	45	0.15	0.6	N/D	N/D
Dimethoate	44	0	44	4.8	115	N/D	N/D
Dinoseb	45	0	45	6	95	N/D	N/D
Disulfoton	44	0	44	11	225	N/D	N/D
Endosulfan I	45	0	45	0.10	0.32	N/D	N/D
Endosulfan II	45	0	45	0.12	0.55	N/D	N/D
Endosulfan sulfate	45	0	45	0.11	0.65	N/D	N/D
Endrin	45	0	45	0.11	0.75	N/D	N/D
Endrin aldehyde	45	0	45	0.11	0.95	N/D	N/D
Endrin ketone	45	0	45	0.17	0.65	N/D	N/D
EPN	44	0	44	6	115	N/D	N/D
Ethion	26	0	26	7	9	N/D	N/D
Ethoprop	44	0	44	5.5	115	N/D	N/D

**Table 3.1-6
Data Summary-Devil's Garden
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Famphur	26	0	26	9.5	12	N/D	N/D
Fenitrothion	26	0	26	50	65	N/D	N/D
Fensulfothion	44	0	44	6.5	115	N/D	N/D
Fenthion	44	0	44	5.5	115	N/D	N/D
Fonophos	26	0	26	5.5	7	N/D	N/D
g-BHC	45	0	45	0.19	0.50	N/D	N/D
g-Chlordane	45	0	45	0.18	0.49	N/D	N/D
Heptachlor	45	0	45	0.19	0.32	N/D	N/D
Heptachlor epoxide	45	0	45	0.09	0.24	N/D	N/D
Leptophos	26	0	26	6.5	8	N/D	N/D
Malathion	44	0	44	6	115	N/D	N/D
MCPA	45	0	45	8.5	5500	N/D	N/D
MCPPP	45	0	45	7	3150	N/D	N/D
Merphos	44	0	44	8.5	450	N/D	N/D
Methoxychlor	45	0	45	0.09	4.95	N/D	N/D
Mevinphos	44	0	44	5.5	115	N/D	N/D
Monocrotophos	43	0	43	6	450	N/D	N/D
Naled	45	0	45	6.5	240	N/D	N/D
Parathion	44	0	44	4.25	115	N/D	N/D
Parathion methyl	44	0	44	3.7	115	N/D	N/D
Pentachlorophenol	19	0	19	0.7	2.85	N/D	N/D
Phorate	44	0	44	1.05	115	N/D	N/D
Phosmet	26	0	26	3.7	4.75	N/D	N/D
Phosphamidon	26	0	26	9	11.5	N/D	N/D
Picloram	26	0	26	11.5	15	N/D	N/D
Ronnel	44	0	44	6.5	115	N/D	N/D
Simazine	45	0	45	7	24	N/D	N/D
Stirofos	44	0	44	6.5	115	N/D	N/D
Sulfotepp	44	0	44	6.5	115	N/D	N/D
TEPP	45	0	45	13.5	480	N/D	N/D
Terbufos	26	0	26	1.05	1.35	N/D	N/D
Thionazin	26	0	26	6.5	8	N/D	N/D
Tokuthion	44	0	44	7	115	N/D	N/D
Toxaphene	45	0	45	6.5	30	N/D	N/D
Trichloronate	44	0	44	6.5	115	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-7
Data Summary-Southern Division
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	160	31	129	0.09	0.5	0.18	1.5
Barium	160	160	0	N/D	N/D	0.5	7.1
Cadmium	160	3	157	0.02	0.05	0.05	0.08
Chromium	160	160	0	N/D	N/D	0.4	14
Copper	160	160	0	N/D	N/D	4.9	104
Lead	160	146	14	0.05	0.25	0.1	2
Mercury	160	71	89	0.001	0.01	0.002	0.03
Selenium	160	8	152	0.08	0.35	0.16	0.8
Silver	160	1	159	0.03	0.45	0.3	0.3
Organic (ug/kg)							
2,4,5-T	160	0	160	0.5	11	N/D	N/D
2,4,5-TP	160	0	160	0.5	18	N/D	N/D
2,4-D	160	0	160	5.5	75	N/D	N/D
2,4-DB	160	0	160	5.5	75	N/D	N/D
4,4'-DDD	160	6	154	0.23	2.25	0.5	11.2
4,4'-DDE	160	19	141	0.07	2.25	0.53	2.4
4,4'-DDT	160	8	152	0.08	2.25	0.72	2.3
a-BHC	160	0	160	0.09	1.1	N/D	N/D
a-Chlordane	160	5	155	0.07	1.15	0.22	1.4
Aldrin	160	0	160	0.11	1.1	N/D	N/D
Aspon	86	0	86	3.05	4.05	N/D	N/D
Atrazine	160	1	159	7	23.5	17	17
Azinphos ethyl	86	0	86	10	13.5	N/D	N/D
Azinphos methyl	160	0	160	6.5	115	N/D	N/D
b-BHC	160	0	160	0.14	1.35	N/D	N/D
Bolstar	160	0	160	6	115	N/D	N/D
Carbophenothion	86	0	86	3.05	4.05	N/D	N/D
Chlorfenvinphos	86	0	86	5.5	7.5	N/D	N/D
Chlorpyrifos	160	0	160	8.5	115	N/D	N/D
Chlorpyrifos methyl	86	0	86	6	8	N/D	N/D
Coumaphos	160	0	160	8.5	115	N/D	N/D
Crotoxypfos	86	0	86	8.5	11.5	N/D	N/D
Dalapon	74	0	74	23	310	N/D	N/D
d-BHC	160	0	160	0.07	1.1	N/D	N/D
Demeton-O+S	160	0	160	11	450	N/D	N/D
Diazinon	160	0	160	7	115	N/D	N/D
Dicamba	160	0	160	0.5	12	N/D	N/D
Dichlorprop	160	0	160	5.5	75	N/D	N/D
Dichlorvos	160	0	160	6	115	N/D	N/D
Dicrotophos	86	0	86	6.5	9	N/D	N/D
Dieldrin	160	4	156	0.14	1.1	0.54	1.3
Dimethoate	160	0	160	4.6	115	N/D	N/D
Dinoseb	160	0	160	5.5	235	N/D	N/D
Disulfoton	160	0	160	10.5	225	N/D	N/D
Endosulfan I	160	0	160	0.09	1.1	N/D	N/D
Endosulfan II	160	0	160	0.11	1.1	N/D	N/D
Endosulfan sulfate	160	0	160	0.10	2.45	N/D	N/D
Endrin	160	0	160	0.1	2.25	N/D	N/D
Endrin aldehyde	160	0	160	0.1	3.35	N/D	N/D
Endrin ketone	160	0	160	0.16	2.9	N/D	N/D
EPN	160	0	160	5.5	115	N/D	N/D
Ethion	86	0	86	6.5	9	N/D	N/D

**Table 3.1-7
Data Summary-Southern Division
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Ethoprop	160	0	160	5	115	N/D	N/D
Famphur	86	0	86	9	12	N/D	N/D
Fenitrothion	86	0	86	48.5	65	N/D	N/D
Fensulfotion	160	0	160	6	115	N/D	N/D
Fenthion	160	0	160	5	115	N/D	N/D
Fonophos	86	0	86	5	7	N/D	N/D
g-BHC	160	8	152	0.17	1.1	0.5	6.7
g-Chlordane	160	1	159	0.17	1.1	0.47	0.47
Heptachlor	160	1	159	0.17	1.1	0.4	0.4
Heptachlor epoxide	160	0	160	0.08	1.1	N/D	N/D
Leptophos	86	0	86	6	8	N/D	N/D
Malathion	160	0	160	5.5	115	N/D	N/D
MCPA	160	0	160	8	14,000	N/D	N/D
MCPPP	160	0	160	6.5	7500	N/D	N/D
Merphos	160	0	160	8	450	N/D	N/D
Methoxychlor	160	0	160	0.08	7.5	N/D	N/D
Mevinphos	160	0	160	5	115	N/D	N/D
Monocrotophos	160	0	160	5.5	450	N/D	N/D
Naled	160	0	160	6	475	N/D	N/D
Parathion	160	0	160	4.1	115	N/D	N/D
Parathion methyl	160	0	160	3.55	115	N/D	N/D
Pentachlorophenol	74	0	74	0.5	7	N/D	N/D
Phorate	160	0	160	1	115	N/D	N/D
Phosmet	86	0	86	3.55	4.75	N/D	N/D
Phosphamidon	86	0	86	8.5	11.5	N/D	N/D
Picloram	86	0	86	11	15	N/D	N/D
Ronnel	160	0	160	6	115	N/D	N/D
Simazine	160	0	160	6.5	23.5	N/D	N/D
Stirofos	160	0	160	6	115	N/D	N/D
Sulfotepp	160	0	160	6	115	N/D	N/D
TEPP	160	0	160	13	1200	N/D	N/D
Terbufos	86	0	86	1	1.35	N/D	N/D
Thionazin	86	0	86	6	8	N/D	N/D
Tokuthion	159	0	159	6.5	115	N/D	N/D
Toxaphene	160	0	160	6.5	140	N/D	N/D
Trichloronate	160	0	160	6	115	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-8
Data Summary-Non-Row-Cropped Sugarcane
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	750	701	49	0.09	4.1	0.2	48
Barium	750	749	1	48.7	48.7	0.94	244
Cadmium	750	127	623	0.03	0.12	0.06	0.58
Chromium	750	749	1	14.5	14.5	0.6	46
Copper	750	749	1	15.05	15.05	3	198
Lead	750	737	13	0.05	4.95	0.2	110
Mercury	750	697	53	0.002	0.06	0.002	0.21
Selenium	750	610	140	0.08	1.7	0.17	14
Silver	750	86	664	0.03	1.2	0.08	2.6
Organic (ug/kg)							
2,4,5-T	745	9	736	0.55	46	1.4	17.2
2,4,5-TP	745	0	745	0.5	55	N/D	N/D
2,4-D	745	37	708	5.5	500	14	168
2,4-DB	745	0	745	5.5	500	N/D	N/D
4,4'-DDD	750	214	536	0.23	27	0.83	3000
4,4'-DDE	750	506	244	0.07	6	0.5	5100
4,4'-DDT	750	400	350	0.08	9.5	0.44	5800
a-BHC	750	0	750	0.09	13	N/D	N/D
a-Chlordane	750	118	632	0.07	4.65	0.49	130
Aldrin	750	44	706	0.11	13	0.65	8.2
Aspon	444	0	444	3.1	12	N/D	N/D
Atrazine	750	342	408	7.5	145	16	1150
Azinphos ethyl	444	0	444	10.5	40	N/D	N/D
Azinphos methyl	750	0	750	7	165	N/D	N/D
b-BHC	750	0	750	0.1	15.5	N/D	N/D
Bolstar	750	0	750	6	165	N/D	N/D
Carbophenothion	444	0	444	3.1	12	N/D	N/D
Chlorfenvinphos	444	0	444	5.5	22	N/D	N/D
Chlorpyrifos	750	0	750	8.5	165	N/D	N/D
Chlorpyrifos methyl	444	0	444	6	24	N/D	N/D
Coumaphos	750	0	750	8.5	250	N/D	N/D
Crotoxyphos	444	0	444	9	34	N/D	N/D
Dalapon	301	0	301	23	2050	N/D	N/D
d-BHC	750	0	750	0.07	13	N/D	N/D
Demeton-O+S	750	0	750	11.5	650	N/D	N/D
Diazinon	750	0	750	7.5	165	N/D	N/D
Dicamba	745	0	745	0.5	46	N/D	N/D
Dichlorprop	745	0	745	5.5	500	N/D	N/D
Dichlorvos	750	0	750	6	165	N/D	N/D
Dicrotophos	444	0	444	7	26	N/D	N/D
Dieldrin	750	222	528	0.14	3.15	0.44	480
Dimethoate	750	0	750	4.7	165	N/D	N/D
Dinoseb	729	0	729	5.5	1550	N/D	N/D
Disulfoton	750	0	750	11	325	N/D	N/D
Endosulfan I	750	17	733	0.09	13	0.7	15
Endosulfan II	750	23	727	0.11	13	0.9	89
Endosulfan sulfate	750	41	709	0.1	28.5	0.47	75.9
Endrin	750	21	729	0.1	26	0.57	120
Endrin aldehyde	744	1	743	0.1	39	6.5	6.5
Endrin ketone	750	1	749	0.2	33.5	1.7	1.7
EPN	750	0	750	5.5	165	N/D	N/D

**Table 3.1-8
Data Summary-Non-Row-Cropped Sugarcane
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Ethion	444	0	444	7	26	N/D	N/D
Ethoprop	750	8	742	5	165	17	100
Famphur	444	0	444	9.5	36	N/D	N/D
Fenitrothion	444	0	444	49.5	190	N/D	N/D
Fensulfothion	750	0	750	6	165	N/D	N/D
Fenthion	750	0	750	5	165	N/D	N/D
Fonophos	444	0	444	5	20	N/D	N/D
g-BHC	750	5	745	0.18	13	0.5	71.1
g-Chlordane	750	103	647	0.18	5.5	0.71	260
Heptachlor	750	1	749	0.18	13	1.7	1.7
Heptachlor epoxide	750	70	680	0.08	4.65	0.55	96
Leptophos	444	0	444	6	24	N/D	N/D
Malathion	750	0	750	5.5	165	N/D	N/D
MCPA	745	0	745	8.5	90,000	N/D	N/D
MCPP	745	0	745	7	50,000	N/D	N/D
Merphos	751	0	751	8.5	650	N/D	N/D
Methoxychlor	750	0	750	0.08	26	N/D	N/D
Mevinphos	750	0	750	5	165	N/D	N/D
Monocrotophos	751	0	751	5.5	650	N/D	N/D
Naled	750	0	750	6	1100	N/D	N/D
Parathion	750	0	750	4.15	165	N/D	N/D
Parathion methyl	750	0	750	3.65	165	N/D	N/D
Pentachlorophenol	301	1	300	0.55	46	3.1	3.1
Phorate	750	0	750	1.05	165	N/D	N/D
Phosmet	444	0	444	3.65	14	N/D	N/D
Phosphamidon	444	0	444	9	34	N/D	N/D
Picloram	444	0	444	11.5	44	N/D	N/D
Ronnel	750	0	750	6	165	N/D	N/D
Simazine	750	0	750	7	145	N/D	N/D
Stirofos	750	0	750	6	250	N/D	N/D
Sulfotepp	750	0	750	6	165	N/D	N/D
TEPP	751	0	751	13	2250	N/D	N/D
Terbufos	444	2	442	1.05	4	2200	9600
Thionazin	444	0	444	6	24	N/D	N/D
Tokuthion	750	0	750	7	165	N/D	N/D
Toxaphene	750	20	730	8.5	600	65.4	14,400
Trichloronate	750	0	750	6	165	N/D	N/D

N/D: Analyte not detected (result below MDL)

**Table 3.1-9
Data Summary-Row-Cropped Sugarcane
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Inorganic (mg/kg)							
Arsenic	204	204	0	---	---	1.3	21
Barium	204	204	0	---	---	17	179
Cadmium	204	53	151	0.04	0.1	0.1	0.5
Chromium	204	204	0	---	---	2	32.8
Copper	204	204	0	---	---	24.8	404
Lead	204	204	0	---	---	0.5	32.9
Mercury	204	204	0	---	---	0.02	0.11
Selenium	204	176	28	0.3	0.85	0.7	10
Silver	204	20	184	0.04	1	0.3	2.2
Organic (ug/kg)							
2,4,5-T	204	0	204	0.9	31	N/D	N/D
2,4,5-TP	204	2	202	0.9	50	9.4	16.8
2,4-D	204	4	200	10	130	44.2	87.1
2,4-DB	204	0	204	6	60	N/D	N/D
4,4'-DDD	204	67	137	0.28	8	0.92	420
4,4'-DDE	204	169	35	0.11	1.85	0.72	2400
4,4'-DDT	204	128	76	0.11	8.5	0.87	3000
a-BHC	204	0	204	0.11	7.0	N/D	N/D
a-Chlordane	204	70	134	0.09	7.0	0.58	170
Aldrin	204	5	199	0.13	7.0	1.4	5.6
Aspon	147	0	147	3.25	11.5	N/D	N/D
Atrazine	204	105	99	8.5	50	17	220
Azinphos ethyl	147	0	147	11.0	38.5	N/D	N/D
Azinphos methyl	204	0	204	7.0	230	N/D	N/D
b-BHC	204	0	204	0.17	8.5	N/D	N/D
Bolstar	204	0	204	6.5	230	N/D	N/D
Carbophenothion	147	0	147	3.25	11.5	N/D	N/D
Chlorfenvinphos	147	0	147	6.0	21	N/D	N/D
Chlorpyrifos	204	0	204	10.0	230	N/D	N/D
Chlorpyrifos methyl	147	0	147	6.5	23	N/D	N/D
Coumaphos	204	0	204	9.0	230	N/D	N/D
Crotoxyphos	147	0	147	9.0	32.5	N/D	N/D
Dalapon	57	0	57	40	250	N/D	N/D
d-BHC	204	0	204	0.09	7.0	N/D	N/D
Demeton-O+S	204	0	204	12	900	N/D	N/D
Diazinon	204	0	204	7.5	230	N/D	N/D
Dicamba	204	0	204	0.9	34.5	N/D	N/D
Dichlorprop	204	0	204	6.0	60	N/D	N/D
Dichlorvos	204	0	204	6.5	230	N/D	N/D
Dicrotophos	147	0	147	7.0	25.0	N/D	N/D
Dieldrin	204	67	137	0.17	8.0	0.82	410
Dimethoate	204	0	204	4.9	230	N/D	N/D
Dinoseb	204	0	204	6.0	185	N/D	N/D
Disulfoton	204	0	204	11.5	460	N/D	N/D
Endosulfan I	204	3	201	0.11	7.0	1.1	3.8
Endosulfan II	204	0	204	0.13	7.0	N/D	N/D
Endosulfan sulfate	204	1	203	0.12	15.5	1.4	1.4
Endrin	204	8	196	0.14	14.5	0.6	15
Endrin aldehyde	204	0	204	0.12	70	N/D	N/D
Endrin ketone	204	13	191	0.19	18.5	2.5	100
EPN	204	0	204	6.0	230	N/D	N/D

**Table 3.1-9
Data Summary-Row-Cropped Sugarcane
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
Ethion	147	0	147	7.0	25	N/D	N/D
Ethoprop	204	15	189	5.5	230	21	67
Famphur	147	0	147	10	34.5	N/D	N/D
Fenitrothion	147	0	147	50	185	N/D	N/D
Fensulfothion	204	0	204	6.5	230	N/D	N/D
Fenthion	204	0	204	5.5	230	N/D	N/D
Fonophos	147	0	147	5.5	19	N/D	N/D
g-BHC	204	1	203	0.23	7.0	0.62	0.62
g-Chlordane	204	67	137	0.23	7.0	1.5	520
Heptachlor	204	0	204	0.23	7.0	N/D	N/D
Heptachlor epoxide	204	36	168	0.1	7.0	1.2	150
Leptophos	147	0	147	6.5	23	N/D	N/D
Malathion	204	0	204	6.0	230	N/D	N/D
MCPA	204	0	204	8.5	11,000	N/D	N/D
MCPP	204	0	204	7.0	6000	N/D	N/D
Merphos	204	0	204	8.5	900	N/D	N/D
Methoxychlor	204	0	204	0.1	14.5	N/D	N/D
Mevinphos	204	0	204	5.5	230	N/D	N/D
Monocrotophos	204	0	204	6.0	900	N/D	N/D
Naled	204	0	204	6.5	500	N/D	N/D
Parathion	204	0	204	4.35	230	N/D	N/D
Parathion methyl	204	0	204	3.8	230	N/D	N/D
Pentachlorophenol	57	1	56	0.9	5.5	9.2	9.2
Phorate	204	0	204	1.1	230	N/D	N/D
Phosmet	147	0	147	3.8	13.5	N/D	N/D
Phosphamidon	147	0	147	9.0	32.5	N/D	N/D
Picloram	147	0	147	12	42.5	N/D	N/D
Ronnel	204	0	204	6.5	230	N/D	N/D
Simazine	204	0	204	7.0	50	N/D	N/D
Stirofos	204	0	204	6.5	230	N/D	N/D
Sulfotepp	204	0	204	6.5	230	N/D	N/D
TEPP	204	0	204	13.5	1000	N/D	N/D
Terbufos	147	0	147	1.1	3.85	N/D	N/D
Thionazin	147	0	147	6.5	23	N/D	N/D
Tokuthion	204	0	204	7.0	230	N/D	N/D
Toxaphene	204	16	188	10.5	900	80.4	1690
Trichloronate	204	0	204	6.5	230	N/D	N/D

N/D: Analyte not detected (result below MDL)

Table 3.1-10
Detected Chemicals in 40-Acre Composite Samples
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Detects	Number of Non-Detects	Detection Limits		Detected Results	
				Min	Max	Min	Max
<i>Inorganic (mg/kg)</i>							
Arsenic	1191	962	229	0.09	4.1	0.18	48
Barium	1191	1190	1	48.7	48.7	0.5	244
Cadmium	1191	185	1006	0.02	0.12	0.05	0.58
Chromium	1191	1190	1	14.5	14.5	0.4	46
Copper	1191	1190	1	15.1	15.1	3	404
Lead	1191	1157	34	0.05	4.95	0.1	110
Mercury	1191	997	194	0.001	0.06	0.002	0.21
Selenium	1191	807	384	0.08	1.7	0.16	14
Silver	1191	108	1083	0.03	1.2	0.07	2.6
<i>Organic (ug/kg)</i>							
2,4,5-T	1186	11	1175	0.5	46	1.4	17.2
2,4,5-TP	1186	2	1184	0.5	55	9.4	16.8
2,4-D	1186	41	1145	5.5	500	14	168
4,4'-DDD	1191	287	904	0.23	27	0.5	3000
4,4'-DDE	1191	702	489	0.07	6	0.4	5100
4,4'-DDT	1191	538	653	0.08	9.5	0.44	5800
a-Chlordane	1191	193	998	0.07	7	0.22	170
Aldrin	1191	49	1142	0.11	13	0.65	8.2
Atrazine	1191	448	743	7	145	16	1150
Chlorpyrifos	1190	3	1187	8.5	115	27	66
Dieldrin	1191	294	897	0.14	8	0.44	480
Endosulfan I	1191	21	1170	0.09	13	0.7	15
Endosulfan II	1191	23	1168	0.11	13	0.9	89
Endosulfan sulfate	1191	42	1149	0.10	28.5	0.47	75.9
Endrin	1191	29	1162	0.1	26	0.57	120
Endrin aldehyde	1191	1	1190	0.1	70	6.5	6.5
Endrin ketone	1191	14	1177	0.16	33.5	1.7	100
Ethoprop	1190	23	1167	5	230	17	100
g-BHC	1191	16	1175	0.17	13	0.5	71.1
g-Chlordane	1191	172	1019	0.17	7	0.47	520
Heptachlor	1191	2	1189	0.17	13	0.4	1.7
Heptachlor epoxide	1191	106	1085	0.08	7	0.55	150
Pentachlorophenol	476	2	474	0.55	46	3.1	9.2
Terbufos	710	2	708	1.1	4	2200	9600
Toxaphene	1191	36	1155	8.5	900	65.4	14,400

**Table 3.1-11
Summary Statistics for Detected Chemicals-Cane Area 1
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	141	46	1.88	0.56	2.8	8.4	3.4
Barium	141	0	20.6	4.80	32.8	80.4	34.9
Cadmium	141	133	0.04	0.04	0.05	0.07	0.0
Chromium	141	0	4.06	1.90	3.6	16.3	6.2
Copper	141	0	24.3	15.7	35.7	66.9	32.1
Lead	141	9	2.43	1.40	3	8.39	3.3
Mercury	141	52	0.02	0.01	0.03	0.08	0.03
Selenium	141	66	0.91	0.30	0.98	3.60	1.7
Silver	141	136	0.10	0.04	0.15	0.25	0.1
<i>Organic (ug/kg)</i>							
2,4-D	136	134	32.7	33.5	41.5	60	39.2
4,4'-DDD	141	139	0.43	0.38	0.44	0.65	0.5
4,4'-DDE	141	114	3.08	0.39	0.5	2.89	18.4
4,4'-DDT	141	130	1.08	0.37	0.45	1.20	5.5
Atrazine	141	116	29.1	19	23.9	89.9	48.1
Chlordane	141	136	0.50	0.26	0.37	0.70	1.1
Dieldrin	141	138	0.46	0.19	0.23	0.31	1.5
Endosulfan I	141	138	0.23	0.19	0.22	0.45	0.4
Endosulfan II	141	137	0.56	0.19	0.23	1.00	1.6
Endosulfan sulfate	141	129	1.16	0.42	0.5	1.98	4.6
Ethoprop	141	139	11.1	9.25	10.5	15.0	13.2
Toxaphene	141	139	30.3	23	26.75	35.0	70.6

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

**Table 3.1-12
Summary Statistics for Detected Chemicals-Cane Area 2
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	389	0	8.49	8.4	11.0	14	8.78
Barium	389	0	96.6	103	123	151	104.6
Cadmium	389	306	0.09	0.05	0.1	0.33	0.11
Chromium	389	0	8.86	5.7	11	29.4	10.7
Copper	389	0	84.9	57.8	88.8	248	100.2
Lead	389	3	5.29	4.3	6.8	13	5.6
Mercury	389	0	0.06	0.06	0.07	0.10	0.06
Selenium	389	66	2.72	2.7	3.8	5.7	3.09
Silver	389	366	0.25	0.25	0.3	0.6	0.30
<i>Organic (ug/kg)</i>							
2,4,5-TP	389	387	22.9	28.5	34	41	27.3
2,4-D	389	381	68.1	75	85	102	70.8
4,4'-DDD	389	288	17.7	0.65	2.95	130.5	35.8
4,4'-DDE	389	76	164.0	4.7	72.5	1100	358.1
4,4'-DDT	389	152	80.9	2.6	20.7	375	239.6
Aldrin	389	383	0.60	0.27	0.35	2.55	0.85
Atrazine	389	169	70.7	45	84	170	92.1
Chlordane	389	263	22.9	0.95	6.7	170	44.6
Dieldrin	389	271	16.9	0.38	2.9	125	44.5
Endosulfan I	389	386	0.55	0.23	0.35	2.68	0.79
Endosulfan sulfate	389	387	0.98	0.27	0.7	4.63	1.71
Endrin	389	376	1.05	0.29	0.7	5.75	1.79
Endrin ketone	389	375	2.14	0.44	0.9	10	4.42
Ethoprop	389	375	15.4	13	15.3	23	16.9
Heptachlor epoxide	389	332	3.80	0.23	0.625	23.5	8.16
Pentachlorophenol	125	124	4.06	3.55	4.38	8.2	5.67
Terbufos	264	263	38.7	2.38	2.65	3.1	197.2
Toxaphene	389	359	145.6	23	44	464.5	413.4

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

**Table 3.1-13
Summary Statistics for Detected Chemicals-Cane Area 3
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	261	2	7.78	7.05	9.73	14	8.81
Barium	261	0	104.5	111	122	140.3	111.7
Cadmium	261	210	0.08	0.05	0.1	0.3	0.10
Chromium	261	0	11.3	6.3	18.3	29.9	14.7
Copper	261	0	70.4	50.2	83	196.5	70.1
Lead	261	0	5.44	4.45	7.1	9.7	7.58
Mercury	261	0	0.06	0.06	0.08	0.12	0.07
Selenium	261	10	4.46	3.8	6.3	10	5.09
Silver	261	208	0.39	0.3	0.6	1.13	0.55
<i>Organic (ug/kg)</i>							
2,4,5-T	261	253	12.4	15	18	24	15.5
2,4-D	261	242	60.9	65	80	100	66.2
4,4'-DDD	261	138	13.5	1.1	8	71.2	21.4
4,4'-DDE	261	54	182.4	15	150	1100	358.5
4,4'-DDT	261	84	103.3	7.6	36	470	259.9
Aldrin	261	218	0.74	0.27	0.38	3.5	1.11
Atrazine	261	118	62.7	44	80	140	77.9
Chlordane	261	196	12.1	0.75	1.25	100	26.9
Dieldrin	261	124	29.7	0.8	12.1	194	71.1
Endosulfan I	261	258	0.36	0.21	0.29	1.36	0.47
Endosulfan II	261	256	0.92	0.25	0.31	0.91	2.7
Endosulfan sulfate	261	254	0.71	0.24	0.65	3.34	1.02
Endrin	261	246	1.66	0.26	0.6	4.94	5.5
Endrin aldehyde	256	255	1.01	0.25	0.85	3.25	2.77
Ethoprop	261	255	15.2	12.5	15.5	24	15.57
g-BHC	261	260	0.62	0.6	0.7	0.95	0.67
Heptachlor epoxide	261	217	4.11	0.25	0.48	32.4	9.05
Pentachlorophenol	90	89	2.33	1.88	3.49	4.96	2.83
Terbufos	171	170	13.3	2.2	2.5	3.1	71.9
Toxaphene	261	258	44.1	21	35.5	180	58.42

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

Table 3.1-14
Summary Statistics for Detected Chemicals-Cane Area 4
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	163	1	4.72	3.4	6.9	11.8	5.53
Barium	163	1	71.1	71	93.2	117.8	83.7
Cadmium	163	125	0.09	0.05	0.1	0.27	0.12
Chromium	163	1	6.27	3.9	6.4	21.7	8.37
Copper	163	1	53.4	45	63.1	123	57.1
Lead	163	1	3.97	3.5	4.4	9	4.84
Mercury	163	1	0.06	0.06	0.07	0.12	0.06
Selenium	163	26	2.51	2.6	3.3	4.9	3.04
Silver	163	138	0.36	0.25	0.4	1.2	0.59
<i>Organic (ug/kg)</i>							
2,4,5-T	163	162	12.9	15	19	26.5	16.9
2,4-D	163	151	61.4	65	80	110	71.12
4,4'-DDD	163	108	76.2	0.92	3	410	313
4,4'-DDE	163	35	272.1	5.8	21	2000	833.1
4,4'-DDT	163	60	190.7	2.6	10	1480	699.5
Atrazine	163	104	47.5	33.5	52	140	65.6
Chlordane	163	151	2.59	0.9	1.3	6.7	6.6
Dieldrin	163	132	6.99	0.38	1.15	36.2	24.3
Endosulfan I	163	152	0.73	0.28	0.48	2.78	1.3
Endosulfan II	163	149	1.54	0.31	0.55	8.56	3.8
Endosulfan sulfate	163	142	2.82	0.6	0.9	19.6	6.8
Endrin	163	162	0.57	0.44	0.7	1.19	0.8
Ethoprop	163	162	13.62	12	16	20	14.6
g-BHC	163	158	1.58	0.7	0.95	2.7	3.7
Heptachlor	163	162	0.72	0.55	0.7	2.14	0.9
Heptachlor epoxide	163	158	0.59	0.27	0.405	1.39	1.1
Toxaphene	163	162	42.1	28.5	47.5	100	56.9

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

**Table 3.1-15
Summary Statistics for Detected Chemicals-Dunwoody Citrus
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	32	16	0.4	0.21	0.5	2.0	0.8
Barium	32	0	3.8	3.9	4.9	7.3	4.3
Chromium	32	0	2.4	2.2	3.1	4.3	2.7
Copper	32	0	27.5	25.4	29.3	63.3	31.1
Lead	32	0	1.7	1.6	2.0	5.1	2.05
Mercury	32	26	0.006	0.007	0.01	0.008	0.01
Selenium	32	25	0.2	0.1	0.3	0.3	0.2
Silver	32	31	0.06	0.039	0.07	0.2	0.1
<i>Organic (ug/kg)</i>							
2,4,5-T	32	30	3.5	2.3	2.8	10.5	9.8
4,4'-DDE	32	25	0.7	0.4	0.5	3.8	1.7
4,4'-DDT	32	31	0.4	0.4	0.5	0.7	0.5
Chlordane	32	31	0.5	0.2	0.8	1.8	0.9
Dieldrin	32	31	0.2	0.2	0.2	0.4	0.2
Endosulfan II	32	31	0.2	0.2	0.2	0.7	0.3
g-BHC	32	30	0.3	0.2	0.3	0.5	0.3

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

Table 3.1-16
Summary Statistics for Detected Chemicals-Devil's Garden
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	45	35	0.2	0.1	0.2	0.9	0.3
Barium	45	0	1.6	1.6	2	2.5	1.7
Cadmium	45	43	0.04	0.05	0.05	0.05	0.05
Chromium	45	0	2.5	2.1	3.2	7.2	2.9
Copper	45	0	26.8	27	31.5	42	28.9
Lead	45	7	0.5	0.4	0.8	1.1	0.61
Mercury	45	26	0.005	0.004	0.007	0.01	0.006
Selenium	45	39	0.2	0.3	0.3	0.3	0.3
<i>Organic (ug/kg)</i>							
4,4'-DDE	45	44	0.3	0.09	0.4	0.8	0.4
4,4'-DDT	45	44	0.3	0.1	0.4	0.9	0.5
Chlorpyrifos	44	41	16.8	10.5	12	86.3	30.6

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

**Table 3.1-17
Summary Statistics for Detected Chemicals-Southern Division
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	160	129	0.2	0.1	0.2	0.5	0.24
Barium	160	0	1.9	1.6	2.2	3.7	2.02
Cadmium	160	157	0.04	0.05	0.05	0.05	0.04
Chromium	160	0	3.2	2.8	4	7.3	3.5
Copper	160	0	33.3	30	38.4	58.3	35.1
Lead	160	14	0.7	0.7	1.0	1.5	0.8
Mercury	160	89	0.01	0.006	0.007	0.01	0.01
Selenium	160	152	0.2	0.3	0.3	0.3	0.2
Silver	160	159	0.1	0.2	0.2	0.3	0.1
<i>Organic (ug/kg)</i>							
4,4'-DDD	160	154	0.4	0.3	0.4	0.9	0.6
4,4'-DDE	160	141	0.4	0.4	0.4	1.6	0.7
4,4'-DDT	160	152	0.3	0.2	0.4	1.0	0.4
Atrazine	160	159	13.3	9	18	22.5	14.1
Chlordane	160	155	0.4	0.4	0.5	1.0	0.5
Dieldrin	160	156	0.2	0.2	0.2	0.6	0.2
g-BHC	160	152	0.4	0.3	0.4	0.7	0.6
Heptachlor	160	159	0.3	0.2	0.3	0.3	0.3

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

Table 3.1-18
Summary Statistics for Detected Chemicals-Non-Row-Cropped Sugarcane
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	750	49	6.4	6.3	9.3	14	7.5
Barium	750	1	78.3	88.4	113.3	141.5	88.7
Cadmium	750	623	0.08	0.05	0.06	0.3	0.09
Chromium	750	1	9.2	4.9	13.6	28.5	11.3
Copper	750	1	48.5	43.7	60	104	53.1
Lead	750	13	4.7	3.6	6.03	10.7	5.5
Mercury	750	53	0.06	0.06	0.07	0.1	0.06
Selenium	750	140	3.0	2.7	4	8.1	3.5
Silver	750	664	0.3	0.2	0.3	0.9	0.3
<i>Organic (ug/kg)</i>							
2,4,5-T	745	736	11.8	13	18	23.5	13.5
2,4-D	745	708	56.6	55	75	100	61.7
4,4'-DDD	750	536	21.7	0.7	2.2	69.8	54.8
4,4'-DDE	750	244	126.1	3.05	17.8	920.8	274.8
4,4'-DDT	750	350	90.0	1.5	9.5	413.5	232.1
Aldrin	750	706	0.6	0.3	0.3	2.5	0.7
Atrazine	750	408	56.4	34	65	150	70.0
Chlordane	750	619	7.8	0.7	1.1	31	14.7
Dieldrin	750	528	13.3	0.3	1.5	98.4	23.8
Endosulfan I	750	733	0.5	0.2	0.3	1.6	0.6
Endosulfan III	750	727	0.9	0.3	0.3	2.7	1.6
Endosulfan sulfate	750	709	1.4	0.3	0.7	6	2.5
Endrin	750	729	1.1	0.3	0.6	3.2	2.02
Endrin aldehyde	744	743	1.0	0.3	0.9	3.4	1.5
Endrin ketone	750	749	0.9	0.4	0.7	1.72	1.2
Ethoprop	750	742	13.1	11.5	14.5	20	13.7
g-BHC	750	745	0.8	0.5	0.8	2.3	1.3
Heptachlor	750	749	0.6	0.41	0.6	2.1	0.7
Heptachlor epoxide	750	680	2.04	0.21	0.3	6.5	4.1
Pentachlorophenol	301	300	2.8	2.7	3.5	5.0	3.6
Terbufos	444	442	28.7	2.2	2.5	3.1	125.3
Toxaphene	750	730	79.5	22.5	35.5	181	176

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

Table 3.1-19
Summary Statistics for Detected Chemicals-Row-Cropped Sugarcane
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Non-Detects	Concentrations				95th UCL
			Average	Median	75%	95%	
<i>Inorganic (mg/kg)</i>							
Arsenic	204	0	7.34	6.95	8.9	13	7.7
Barium	204	0	99	105	120	148.8	102.6
Cadmium	204	151	0.09	0.05	0.1	0.3	0.12
Chromium	204	0	6.4	4.8	7.2	17.6	7.9
Copper	204	0	118	81.8	181	291.3	144.5
Lead	204	0	4.93	4.1	5.6	11.8	6.2
Mercury	204	0	0.05	0.05	0.06	0.08	0.06
Selenium	204	28	3.04	2.8	3.9	7.2	3.6
Silver	204	184	0.4	0.3	0.4	0.9	0.5
<i>Organic (ug/kg)</i>							
2,4,5-TP	204	202	24.6	30.5	34.5	42	30.8
2,4-D	204	200	68.6	75	85	105	76.4
4,4'-DDD	204	137	29.3	0.7	7.43	230	81.8
4,4'-DDE	204	35	257.0	10.8	215.8	1500	598.4
4,4'-DDT	204	76	89.1	3	45.1	522.5	281.8
Aldrin	204	199	0.6	0.29	0.39	2.35	0.88
Atrazine	204	99	60.5	39.3	97	150	74.5
Chlordane	204	127	32.7	1.05	17.8	227.5	91.8
Dieldrin	204	137	26.3	0.40	6.68	210	76.1
Endosulfan I	204	201	0.5	0.25	0.4	1.9	0.76
Endosulfan sulfate	204	203	0.8	0.27	0.75	3.05	1.25
Endrin	204	196	0.9	0.30	0.7	3.24	1.49
Endrin ketone	204	191	2.8	0.46	1.04	14.5	6.9
Ethoprop	204	189	18.0	13	16	31.8	20.9
g-BHC	204	203	1.1	0.7	0.9	6.5	1.6
Heptachlor epoxide	204	168	5.3	0.26	1.51	38.5	12.9
Pentachlorophenol	57	56	3.2	3.5	4.2	4.8	4.1
Toxaphene	204	188	88.9	24.3	45	433.3	177.1

Note: Summary statistics were calculated using 1/2 of the detection limit for non-detects.

**Table 3.2-1
5-Acre Discrete Copper Samples
U.S. Sugar Corporation Acquisition**

Grove	Number of Samples	Number of Non-Detects	Number of Detects	Detection Limits		Detects		Concentrations				95th UCL
				Min	Max	Min	Max	Average	Median	75%	95%	
Dunwoody Citrus	281	0	281	---	---	7.3	95	30	26.3	35.2	60.8	34.0
Devil's Garden	357	0	357	---	---	8.1	139	27.9	25.4	35	62.6	29.0
Southern Division	1289	0	1289	---	---	1.2	405	33.9	28.2	40	71	36.9

Note: Results presented as mg/kg

Table 3.3-1
Bioassay Samples
U.S. Sugar Corporation Acquisition

Sample ID	Bioassay Test Performed			
	<i>Bioaccumulation</i>	<i>Pore water</i>	<i>Toxicity-aged</i>	<i>Toxicity-unaged</i>
001E2-S				X
2324AB-N				X
3222AB-S	X	X		
3433AE-E				X
4403DH			X	X
4501F		X	X	X
4501IM-W	X	X		
4501JN-W			X	X
4502OP-S			X	X
4509CD-S	X	X	X	X
4617MN-N			X	X
4621AE-E	X	X		X
4631LP-E	X	X		

**Table 3.3-2
Verification Sample Results
U.S. Sugar Corporation Acquisition**

Sample	Analyte	Units	Result	Verification Sample 1	Verification Sample 2	Verification Sample 3
001E2-S	Copper	mg/kg	61	38.8	37.9	40.1
2324AB-N	4,4'-DDE	ug/kg	2	N/A	N/A	N/A
	4,4'-DDT	ug/kg	0.7	N/A	N/A	N/A
	Arsenic	mg/kg	14	10.1	11.8	9.7
	Atrazine	ug/kg	170	N/A	N/A	N/A
	Barium	mg/kg	119	109	113	105
	Chromium	mg/kg	28	26	25.3	23.7
	Copper	mg/kg	46	49.1	51.5	42.8
	Ethoprop	ug/kg	23	N/A	N/A	N/A
	Lead	mg/kg	7.4	9.9	9.7	8.7
	Mercury	mg/kg	0.08	0.07	0.08	0.07
	Selenium	mg/kg	8	3.8	4.3	3.9
3222AB-S	4,4'-DDE	ug/kg	2.6	1.0	0.9	0.9
	4,4'-DDT	ug/kg	1.7	1.4 U	1.4 U	1.3 U
	Arsenic	mg/kg	0.6	N/A	N/A	N/A
	Barium	mg/kg	2.8	N/A	N/A	N/A
	Chromium	mg/kg	4.1	N/A	N/A	N/A
	Copper	mg/kg	8.8	N/A	N/A	N/A
	Lead	mg/kg	0.4	N/A	N/A	N/A
	Mercury	mg/kg	0.01	N/A	N/A	N/A
	Selenium	mg/kg	0.6	N/A	N/A	N/A
	4,4'-DDE	ug/kg	3.1	N/A	N/A	N/A
3433AE-E	Arsenic	mg/kg	1.1	2.1	1.9	1.7
	Barium	mg/kg	41.3	39.1	36.9	35
	Cadmium	mg/kg	0.07	0.41 U	0.3	0.4 U
	Chromium	mg/kg	5.2	6.1	6.3	5.7
	Copper	mg/kg	85.9	88.7	82.6	75
	Lead	mg/kg	5.8	7.2	5.8	5.3
	Mercury	mg/kg	0.03	0.01	0.01	0.01
	Selenium	mg/kg	0.43	0.8	0.8 U	0.8 U
	Arsenic	mg/kg	3	4.41	3.73	4.62
4403DH	Atrazine	ug/kg	77.8	170 U	190 U	95
	Barium	mg/kg	40	39.2	35.6	43.4
	Cadmium	mg/kg	0.08	0.5 U	0.4U	0.5 U
	Chromium	mg/kg	2.9	3.2	3.78	4.11
	Copper	mg/kg	45.2	40	32.3	45
	Lead	mg/kg	4.7	5.3	4.7	6.2
	Mercury	mg/kg	0.06	0.05	0.05	0.04
	Selenium	mg/kg	1.5	1.0	0.7	0.8
4501F	4,4'-DDE	ug/kg	155	1300	1500	1400
	4,4'-DDT	ug/kg	125	1700	1700	1900
	a-Chlordane	ug/kg	14	N/A	N/A	N/A
	Arsenic	mg/kg	9.6	7.9	7.0	7.4
	Barium	mg/kg	129	127	123	124
	Cadmium	mg/kg	0.2	0.8	0.6	0.6
	Chromium	mg/kg	26	41.2	40.3	39.5
	Copper	mg/kg	55.4	51.7	50.1	54.6
	Dieldrin	ug/kg	22.8	120	110	120
	g-Chlordane	ug/kg	9.3	N/A	N/A	N/A
	Lead	mg/kg	17.2	24.2	22.7	24.1
	Mercury	mg/kg	0.1	0.1	0.1	0.1
	Selenium	mg/kg	4	7.7	7.7	8.8

**Table 3.3-2
Verification Sample Results
U.S. Sugar Corporation Acquisition**

Sample	Analyte	Units	Result	Verification Sample 1	Verification Sample 2	Verification Sample 3
4501IM-W	4,4'-DDD	ug/kg	131	170	140	180
	4,4'-DDE	ug/kg	934	2100	1800	2100
	4,4'-DDT	ug/kg	2480	3500	2800	3300
	a-Chlordane	ug/kg	71.6	N/A	N/A	N/A
	Arsenic	mg/kg	8.4	N/A	N/A	N/A
	Barium	mg/kg	105	N/A	N/A	N/A
	Cadmium	mg/kg	0.14	N/A	N/A	N/A
	Chromium	mg/kg	30.6	N/A	N/A	N/A
	Copper	mg/kg	38.1	N/A	N/A	N/A
	Dieldrin	ug/kg	181	320	270	180
	g-Chlordane	ug/kg	194	N/A	N/A	N/A
	Heptachlor epoxide	ug/kg	51.8	84	78	70
	Lead	mg/kg	19	N/A	N/A	N/A
	Mercury	mg/kg	0.1	N/A	N/A	N/A
	Selenium	mg/kg	3.8	N/A	N/A	N/A
	Toxaphene	ug/kg	14,400	9800	8500	9000
4501JN-W	4,4'-DDD	ug/kg	71.9	67	27	24
	4,4'-DDE	ug/kg	643	700	230	200
	4,4'-DDT	ug/kg	1390	1200	370	320
	a-Chlordane	ug/kg	56.1	N/A	N/A	N/A
	Copper	mg/kg	42.6	57.7	61	57.1
	Dieldrin	ug/kg	72.1	84	28	27
	g-Chlordane	ug/kg	106	N/A	N/A	N/A
	Heptachlor epoxide	ug/kg	30.1	18	11	10
4502OP-S	Toxaphene	ug/kg	5670	1800	560	510
	4,4'-DDE	ug/kg	37.8	50	41	36
	4,4'-DDT	ug/kg	23.1	32	15	14
	Arsenic	mg/kg	16.8	11.8	11.7	11.6
	Barium	mg/kg	104	115	114	106
	Cadmium	mg/kg	0.2	0.8	0.6	0.5
	Chromium	mg/kg	33.4	41.1	38.4	39.2
	Copper	mg/kg	40.9	48.8	50.6	45
	Lead	mg/kg	15.2	16.6	17.1	15.8
	Mercury	mg/kg	0.1	0.08	0.08	0.09
4509CD-S	Selenium	mg/kg	3.2	5.42	5.8	6.34
	4,4'-DDE	ug/kg	21.4	120	76	70
	4,4'-DDT	ug/kg	13.2	38	270	18
	a-Chlordane	ug/kg	14.7	N/A	N/A	N/A
	Arsenic	mg/kg	8.3	10.3	11.1	11.3
	Barium	mg/kg	116	120	112	227
	Cadmium	mg/kg	0.1	0.9 U	0.8 U	0.8 U
	Chromium	mg/kg	14.3	12.8	13.3	15.2
	Copper	mg/kg	52.3	53.2	51.3	51.9
	Dieldrin	ug/kg	9.5	24	11	29
	g-Chlordane	ug/kg	11.4	N/A	N/A	N/A
	Lead	mg/kg	13.1	12.4	13	15.1
	Mercury	mg/kg	0.09	0.08	0.08	0.07
	Selenium	mg/kg	3.7	1.8 U	2.3	3.5
	Toxaphene	ug/kg	274	360	240	270

**Table 3.3-2
Verification Sample Results
U.S. Sugar Corporation Acquisition**

Sample	Analyte	Units	Result	Verification Sample 1	Verification Sample 2	Verification Sample 3
4617MN-N	Arsenic	mg/kg	12.1	12.5	12.4	12.4
	Barium	mg/kg	142	137	138	135
	Chromium	mg/kg	20.7	24.5	25.7	25.4
	Copper	mg/kg	74.1	64.7	64.8	66.5
	Lead	mg/kg	8.3	9.82	10.7	10.4
	Mercury	mg/kg	0.1	0.1	0.11	0.11
	Selenium	mg/kg	4.4	5.01	6.6	6.6
4621AE-E	4,4'-DDD	ug/kg	14	20	27	19
	4,4'-DDE	ug/kg	420	280	260	180
	4,4'-DDT	ug/kg	220	94	71	43
	a-Chlordane	ug/kg	7.9	N/A	N/A	N/A
	Arsenic	mg/kg	12	N/A	N/A	N/A
	Atrazine	ug/kg	130	N/A	N/A	N/A
	Barium	mg/kg	152	N/A	N/A	N/A
	Chromium	mg/kg	11	N/A	N/A	N/A
	Copper	mg/kg	71	N/A	N/A	N/A
	Dieldrin	ug/kg	40	24	22	16
	Ethoprop	ug/kg	27	N/A	N/A	N/A
	g-Chlordane	ug/kg	29	N/A	N/A	N/A
	Heptachlor epoxide	ug/kg	12	4.2	4.3	2.8
	Lead	mg/kg	6	N/A	N/A	N/A
	Mercury	mg/kg	0.07	N/A	N/A	N/A
	Selenium	mg/kg	4.3	N/A	N/A	N/A
	4631LP-E	4,4'-DDD	ug/kg	420	31	34
4,4'-DDE		ug/kg	1900	360	240	620
4,4'-DDT		ug/kg	3000	67	870	120
a-Chlordane		ug/kg	97	N/A	N/A	N/A
Arsenic		mg/kg	12	N/A	N/A	N/A
Atrazine		ug/kg	170	100 U	98 U	99
Barium		mg/kg	117	N/A	N/A	N/A
Chromium		mg/kg	5.7	N/A	N/A	N/A
Copper		mg/kg	88	N/A	N/A	N/A
Dieldrin		ug/kg	110	15	13	36
Ethoprop		ug/kg	32	N/A	N/A	N/A
g-Chlordane		ug/kg	240	N/A	N/A	N/A
Heptachlor epoxide		mg/kg	52	7.4	5.7	11
Lead		mg/kg	9.6	N/A	N/A	N/A
Mercury		mg/kg	0.04	N/A	N/A	N/A
Selenium		mg/kg	1.3	N/A	N/A	N/A
Silver		mg/kg	0.6	N/A	N/A	N/A

N/A = Not analyzed

U = Analyte not detected (result below MDL)

**Table 4.1-1
Screening-Level Benchmarks -Aquatic Community Receptor
U.S. Sugar Corporation Acquisition**

Analyte	TEC	PEC	Units	Benchmark Type	Reference
2,4,5-T	N/V	N/V	ug/kg	---	---
2,4,5-TP	N/V	N/V	ug/kg	---	---
2,4-D	0.04	N/V	ug/kg	EqP	Stortelder et al. (1989)
4,4'-DDD	4.9	28	ug/kg	SQAG	MacDonald et al. (2003)
4,4'-DDE	3.2	31	ug/kg	SQAG	MacDonald et al. (2003)
4,4'-DDT	4.2	63	ug/kg	SQAG	MacDonald et al. (2003)
a-Chlordane	3.2	18	ug/kg	SQAG	MacDonald et al. (2003)
Aldrin	0.3	N/V	ug/kg	SQAG	Stortelder et al. (1989)
Arsenic	9.8	33	mg/kg	SQAG	MacDonald et al. (2003)
Atrazine	0.3	N/V	ug/kg	SQAG	Stortelder et al. (1989)
Barium	20	60	mg/kg	SQAG	USEPA (1977)
Cadmium	0.99	4.98	mg/kg	SQAG	MacDonald et al. (2003)
Chromium	43.4	111	mg/kg	SQAG	MacDonald et al. (2003)
Copper	32	150	mg/kg	SQAG	MacDonald et al. (2003)
Dieldrin	1.9	62	ug/kg	SQAG	MacDonald et al. (2003)
Endosulfan I	5.4	N/V	ug/kg	SQAL	US EPA (1997)
Endosulfan II	5.4	N/V	ug/kg	SQAL	US EPA (1997)
Endosulfan sulfate	5.4	N/V	ug/kg	SQAL	US EPA (1997)
Endrin	2.2	210	ug/kg	SQAG	MacDonald et al. (2003)
Endrin aldehyde	2.2	210	ug/kg	SQAG	MacDonald et al. (2003)
Endrin ketone	2.2	210	ug/kg	SQAG	MacDonald et al. (2003)
Ethoprop	N/V	N/V	ug/kg	---	---
g-BHC	2.4	5	ug/kg	SQAG	MacDonald et al. (2003)
g-Chlordane	3.2	18	ug/kg	SQAG	MacDonald et al. (2003)
Heptachlor	2.5	16	ug/kg	SQAG	MacDonald et al. (2003)
Heptachlor epoxide	2.5	16	ug/kg	SQAG	MacDonald et al. (2003)
Lead	36	130	mg/kg	SQAG	MacDonald et al. (2003)
Mercury	0.18	1.1	mg/kg	SQAG	MacDonald et al. (2003)
Pentachlorophenol	40	N/V	ug/kg	EqP	Stortelder et al. (1989)
Selenium	N/V	N/V	mg/kg	---	---
Silver	1	2.2	mg/kg	SQAG	NYSDEC (1999)
Terbufos	N/V	N/V	ug/kg	---	---
Toxaphene	0.1	32	ug/kg	SQAG	NYSDEC (1999)

Notes:

- N/V = No value (no benchmark value available)
- SQAG: Sediment Quality Assessment Guideline
- SQAL: Sediment Quality Advisory Level
- EqP: Equilibrium Partitioning Benchmark

**Table 4.2-1
Screening-Level Benchmarks for Organic Chemicals- Aquatic-Feeding Wildlife Receptor
U.S. Sugar Corporation Acquisition**

Analyte	Sand				Muck					
	Total Organic Carbon Sub-Populations				Total Organic Carbon Sub-Populations					
	Low (0.54%)		High (3.1%)		Low (6.7%)		Mid (15%)		High (22%)	
	RBC	Receptor	RBC	Receptor	RBC	Receptor	RBC	Receptor	RBC	Receptor
2,4-D	3351	Great blue heron	19,234	Great blue heron	41,554	Great blue heron	92,948	Great blue heron	136,219	Great blue heron
4,4'-DDD	27.5	Great blue heron	158	Great blue heron	341	Great blue heron	762	Great blue heron	1115	Great blue heron
4,4'-DDE	8.3	Great blue heron	47.8	Great blue heron	103	Great blue heron	231	Great blue heron	338	Great blue heron
4,4'-DDT	6.2	Great blue heron	35.6	Great blue heron	76.8	Great blue heron	172	Great blue heron	252	Great blue heron
Aldrin	694	Great blue heron	3348	Clapper rail	4598	Clapper rail	5592	Clapper rail	5921	Clapper rail
Atrazine	12,300	Great blue heron	70,400	Great blue heron	151,000	Great blue heron	335,000	Little blue heron	482,000	Little blue heron
Chlordane	54	Great blue heron	311	Great blue heron	669	Great blue heron	1493	Great blue heron	2182	Great blue heron
Dieldrin	461	Great blue heron	2476	Little blue heron	4852	Little blue heron	8937	Little blue heron	11403	Little blue heron
Endosulfan II	120	Great blue heron	685	Great blue heron	1438	Great blue heron	3228	Little blue heron	4542	Little blue heron
Endosulfan I	37.2	Great blue heron	213	Great blue heron	460	Great blue heron	1023	Great blue heron	1494	Great blue heron
Endosulfan Sulfate	158	Great blue heron	497	Great blue heron	1068	Great blue heron	4210	Great blue heron	5822	Little blue heron
Endrin	2.1	Great blue heron	11.9	Great blue heron	25.7	Great blue heron	57.3	Great blue heron	83.7	Great blue heron
Endrin Ketone	10.5	Great blue heron	60	Great blue heron	129	Great blue heron	287	Great blue heron	418	Great blue heron
Ethoprop	3.4	Great blue heron	19.7	Great blue heron	42.6	Great blue heron	95.2	Great blue heron	140	Great blue heron
Gamma-BHC	327	Great blue heron	1872	Great blue heron	4026	Great blue heron	8896	Little blue heron	12807	Little blue heron
Heptachlor Epoxide	4.8	Great blue heron	27.6	Great blue heron	59.7	Great blue heron	134	Great blue heron	196	Great blue heron
Toxaphene	141	Great blue heron	806	Great blue heron	1739	Great blue heron	3872	Great blue heron	5653	Great blue heron

Note: RBCs presented as ug/kg

Table 4.2-2

**Screening-Level Benchmarks for Inorganic
Chemicals - Aquatic-Feeding Wildlife Receptor
U.S. Sugar Corporation Acquisition**

Analyte	RBC	Limiting Receptor
Arsenic	47.8	Clapper Rail
Barium	248	Everglades Snail Kite
Cadmium	28.2	Everglades Snail Kite
Chromium	80	Clapper Rail
Copper ⁽¹⁾	85	Everglades Snail Kite
Lead	539	Clapper Rail
Mercury	0.41	Tri-Colored Heron
Selenium ⁽²⁾	2	Aquatic-Feeding Wildlife
Silver	57	Clapper Rail

Note: RBCs presented as mg/kg

⁽¹⁾ Copper benchmark is the USFWS interim benchmark for the Everglades Snail Kite

⁽²⁾ Selenium benchmark is a screening-level benchmark for the protection of aquatic-feeding wildlife used per USFWS request

**Table 5.1-1
Sugarcane Composite Farms 1 through 4 vs. SQAGs
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum Detection	TEC	PEC	Benchmark Type	Reference
Area 1								
Inorganic (mg/kg)								
Arsenic	141	95	3.4	14	9.79	33	SQAG	MacDonald et al. (2003)
Barium	141	141	34.9	119	20	60	SQAG	US EPA (1977)
Cadmium	141	8	0.05	0.2	1.0	5.0	SQAG	MacDonald et al. (2003)
Chromium	141	141	6.2	35	43.4	111	SQAG	MacDonald et al. (2003)
Copper	141	141	32.1	113	32	150	SQAG	MacDonald et al. (2003)
Lead	141	132	3.3	16	36	130	SQAG	MacDonald et al. (2003)
Mercury	141	89	0.03	0.1	0.2	1.1	SQAG	MacDonald et al. (2003)
Selenium	141	75	1.7	8	N/V	N/V	---	---
Silver	141	5	0.1	0.5	1	2.2	SQAG	NYSDEC (1999)
Organic (ug/kg)								
2,4-D	136	2	39.2	138	0.04	N/V	EqP	Stortelder et al. (1989)
4,4'-DDD	141	2	0.5	1.7	4.9	28	SQAG	MacDonald et al. (2003)
4,4'-DDE	141	27	18.4	343	3.2	31	SQAG	MacDonald et al. (2003)
4,4'-DDT	141	11	5.5	98.8	4.2	63	SQAG	MacDonald et al. (2003)
Chlordane	141	4	1.1	23.6	3.2	18	SQAG	MacDonald et al. (2003)
Atrazine	141	25	48.1	555	0.3	N/V	SQAG	Stortelder et al. (1989)
Dieldrin	141	3	1.5	34.5	1.9	62	SQAG	MacDonald et al. (2003)
Endosulfan I	141	3	0.4	2.6	5.4	N/V	SQAL	US EPA (1997)
Endosulfan II	141	4	1.6	30.5	5.4	N/V	SQAL	US EPA (1997)
Endosulfan sulfate	141	12	4.6	75.9	5.4	N/V	SQAL	US EPA (1997)
Ethoprop	141	2	13.2	23	N/V	N/V	---	---
Toxaphene	141	2	70.6	1310	0.1	32	SQAG	NYSDEC (1999)
Area 2								
Inorganic (mg/kg)								
Arsenic	389	389	8.8	24	9.8	33	SQAG	MacDonald et al. (2003)
Barium	389	389	104.6	184	20	60	SQAG	USEPA (1977)
Cadmium	389	83	0.1	0.6	1.0	5.0	SQAG	MacDonald et al. (2003)
Chromium	389	389	10.7	41	43.4	111	SQAG	MacDonald et al. (2003)
Copper	389	389	100.2	404	32	150	SQAG	MacDonald et al. (2003)
Lead	389	386	5.6	32.9	36	130	SQAG	MacDonald et al. (2003)
Mercury	389	389	0.06	0.1	0.2	1.1	SQAG	MacDonald et al. (2003)
Selenium	389	323	3.09	9.2	N/V	N/V	---	---
Silver	389	23	0.3	1.7	1	2.2	SQAG	NYSDEC (1999)
Organic (ug/kg)								
2,4-D	389	8	70.8	168	0.04	N/V	EqP	Stortelder et al. (1989)
4,4'-DDD	389	101	35.8	420	4.9	28	SQAG	MacDonald et al. (2003)
4,4'-DDE	389	313	358.1	2400	3.2	31	SQAG	MacDonald et al. (2003)
4,4'-DDT	389	237	239.6	3500	4.2	63	SQAG	MacDonald et al. (2003)
Aldrin	389	6	0.8	4.8	2	80	LEL and SEL	Persaud and Jaagumagi (1993)
Atrazine	389	220	92.1	1150	0.3	N/V	SQAG	Stortelder et al. (1989)
Chlordane	389	116	44.6	520	3.2	18	SQAG	MacDonald et al. (2003)
Dieldrin	389	118	44.5	410	1.9	62	SQAG	MacDonald et al. (2003)
Endosulfan I	389	3	0.8	3.8	5.4	N/V	SQAL	US EPA (1997)
Endosulfan sulfate	389	2	1.7	1.4	5.4	N/V	SQAL	US EPA (1997)
Endrin	389	13	1.8	7.4	2.2	210	SQAG	MacDonald et al. (2003)
Endrin ketone	389	14	4.4	100	2.2	210	SQAG	MacDonald et al. (2003)
Ethoprop	389	14	16.9	67	N/V	N/V	---	---
Heptachlor epoxide	389	57	8.2	150	2.5	16	SQAG	MacDonald et al. (2003)
Toxaphene	389	30	413.4	14,400	0.1	32	SQAG	NYSDEC (1999)
Area 3								
Inorganic (mg/kg)								
Arsenic	261	259	8.8	48	9.8	33	SQAG	MacDonald et al. (2003)
Barium	261	261	112	178	20	60	SQAG	USEPA (1977)
Cadmium	261	51	0.1	0.39	1.0	5.0	SQAG	MacDonald et al. (2003)
Chromium	261	261	14.7	46	43.4	111	SQAG	MacDonald et al. (2003)
Copper	261	261	70.1	314	32	150	SQAG	MacDonald et al. (2003)
Lead	261	261	7.6	110	36	130	SQAG	MacDonald et al. (2003)
Mercury	261	261	0.07	0.2	0.18	1.1	SQAG	MacDonald et al. (2003)
Selenium	261	251	5.09	14	N/V	N/V	---	---
Silver	261	53	0.6	2.6	1	2.2	SQAG	NYSDEC (1999)

**Table 5.1-1
Sugarcane Composite Farms 1 through 4 vs. SQAGs
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum Detection	TEC	PEC	Benchmark Type	Reference
Organic (ug/kg)								
2,4,5-T	261	8	15.5	17.2	N/V	N/V	---	---
2,4-D	261	19	66.2	109	0.04	N/V	EqP	Stortelder et al. (1989)
4,4'-DDD	261	123	21.4	180	4.9	28	SQAG	MacDonald et al. (2003)
4,4'-DDE	261	207	359	1900	3.2	31	SQAG	MacDonald et al. (2003)
4,4'-DDT	261	177	260	2700	4.2	63	SQAG	MacDonald et al. (2003)
Aldrin	261	43	1.1	8.2	2	80	LEL and SEL	Persaud and Jaagumagi (1993)
Atrazine	261	143	77.9	950	0.3	N/V	SQAG	Stortelder et al. (1989)
Chlordane	261	57	26.9	260	3.2	18	SQAG	MacDonald et al. (2003)
Dieldrin	261	137	71.1	480	1.9	62	SQAG	MacDonald et al. (2003)
Endosulfan I	261	3	0.5	2.7	5.4	N/V	SQAL	US EPA (1997)
Endosulfan III	261	5	2.7	89	5.4	N/V	SQAL	US EPA (1997)
Endosulfan sulfate	261	7	1.02	3.9	5.4	N/V	SQAL	US EPA (1997)
Endrin	261	15	5.5	120	2.2	210	SQAG	MacDonald et al. (2003)
Ethoprop	261	6	15.6	42	N/V	N/V	---	---
g-BHC	261	1	0.7	0.6	2.4	5	SQAG	MacDonald et al. (2003)
Heptachlor epoxide	261	44	9.05	96	2.5	16	SQAG	MacDonald et al. (2003)
Toxaphene	261	3	58.4	442	0.1	32	SQAG	NYSDEC (1999)
Area 4								
Inorganic (mg/kg)								
Arsenic	163	162	5.53	29	9.8	33	SQAG	MacDonald et al. (2003)
Barium	163	162	83.7	244	20	60	SQAG	USEPA (1977)
Cadmium	163	38	0.12	0.53	1.0	5.0	SQAG	MacDonald et al. (2003)
Chromium	163	162	8.37	30.2	43.4	111	SQAG	MacDonald et al. (2003)
Copper	163	162	57.1	152	32	150	SQAG	MacDonald et al. (2003)
Lead	163	162	4.84	16	36	130	SQAG	MacDonald et al. (2003)
Mercury	163	162	0.06	0.17	0.18	1.1	SQAG	MacDonald et al. (2003)
Selenium	163	137	3.04	8.5	N/V	N/V	---	---
Silver	163	25	0.59	2.5	1	2.2	SQAG	NYSDEC (1999)
Organic (ug/kg)								
2,4,5-T	163	1	16.9	5.6	N/V	N/V		
2,4-D	163	12	71.1	96.8	0.04	N/V	EqP	Stortelder et al. (1989)
4,4'-DDD	163	55	313	3000	4.9	28	SQAG	MacDonald et al. (2003)
4,4'-DDE	163	128	833	5100	3.2	31	SQAG	MacDonald et al. (2003)
4,4'-DDT	163	103	700	5800	4.2	63	SQAG	MacDonald et al. (2003)
Atrazine	163	59	65.6	530	0.3	N/V	SQAG	Stortelder et al. (1989)
Chlordane	163	11	6.6	72	3.2	18	SQAG	MacDonald et al. (2003)
Dieldrin	163	31	24.3	410	1.9	62	SQAG	MacDonald et al. (2003)
Endosulfan I	163	11	1.3	15	5.4	N/V	SQAL	US EPA (1997)
Endosulfan III	163	14	3.8	36	5.4	N/V	SQAL	US EPA (1997)
Endosulfan sulfate	163	21	6.8	62	5.4	N/V	SQAL	US EPA (1997)
Endrin	163	1	0.8	0.57	2.2	210	SQAG	MacDonald et al. (2003)
Ethoprop	163	1	14.6	100	N/V	N/V	---	---
g-BHC	163	5	3.7	71.1	2.4	5	SQAG	MacDonald et al. (2003)
Heptachlor	163	1	0.9	1.7	2.5	16	SQAG	MacDonald et al. (2003)
Heptachlor epoxide	163	5	1.1	12	2.5	16	SQAG	MacDonald et al. (2003)
Toxaphene	163	1	56.9	372	0.1	32	SQAG	NYSDEC (1999)

Bold = Exceeds TEC
Bold/Underline = Exceeds PEC
N/V = No value

Notes:
SQAG: Sediment Quality Assessment Guideline
SQAL: Sediment Quality Advisory Level
EqP: Equilibrium Partitioning Benchmark
LEL: Lowest Effect Level
SEL: Severe Effect Level

**Table 5.1-2
Citrus Composite vs. SQAGs
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum Detection	TEC	PEC	Benchmark Type	Reference
Dunwoody Citrus								
Inorganic (mg/kg)								
Arsenic	32	16	0.8	2.4	9.79	33	SQAG	MacDonald et al. (2003)
Barium	32	32	4.3	7.7	20	60	SQAG	US EPA (1977)
Chromium	32	32	2.7	4.8	43.4	111	SQAG	MacDonald et al. (2003)
Copper	32	32	31.1	73	32	150	SQAG	MacDonald et al. (2003)
Lead	32	32	2.05	5.9	36	130	SQAG	MacDonald et al. (2003)
Mercury	32	6	0.01	0.01	0.2	1.1	SQAG	MacDonald et al. (2003)
Silver	32	1	0.1	0.07	1	2.2	SQAG	NYSDEC (1999)
Organic (ug/kg)								
4,4'-DDE	32	7	1.7	6.9	3.2	31	SQAG	MacDonald et al. (2003)
4,4'-DDT	32	1	0.5	1.1	4.2	63	SQAG	MacDonald et al. (2003)
Chlordane	32	1	0.9	1.9	3.2	18	SQAG	MacDonald et al. (2003)
Dieldrin	32	1	0.2	0.6	1.9	62	SQAG	MacDonald et al. (2003)
Endosulfan I	32	1	0.3	1.7	5.4	N/V	SQAL	US EPA (1997)
g-BHC	32	2	0.3	0.5	2.4	5	SQAG	MacDonald et al. (2003)
Devil's Garden								
Inorganic (mg/kg)								
Arsenic	45	10	0.3	1.1	9.8	33	SQAG	MacDonald et al. (2003)
Barium	45	45	1.7	3	20	60	SQAG	US EPA (1977)
Cadmium	45	2	0.05	0.08	1.0	5.0	SQAG	MacDonald et al. (2003)
Chromium	45	45	2.9	8.9	43.4	111	SQAG	MacDonald et al. (2003)
Copper	45	45	28.9	52.5	32	150	SQAG	MacDonald et al. (2003)
Lead	45	38	0.6	1.1	36	130	SQAG	MacDonald et al. (2003)
Mercury	45	19	0.006	0.02	0.2	1.1	SQAG	MacDonald et al. (2003)
Organic (ug/kg)								
4,4'-DDE	45	1	0.4	1.2	3.2	31	SQAG	MacDonald et al. (2003)
4,4'-DDT	45	1	0.5	0.9	4.2	63	SQAG	MacDonald et al. (2003)
Chlorpyrifos	44	3	30.6	66	53	107	EqP	NYSDEC (1994)
Southern Division								
Inorganic (mg/kg)								
Arsenic	160	31	0.2	1.5	9.8	33	SQAG	MacDonald et al. (2003)
Barium	160	160	2.02	7.1	20	60	SQAG	US EPA (1977)
Cadmium	160	3	0.04	0.1	1.0	5.0	SQAG	MacDonald et al. (2003)
Chromium	160	160	3.5	14	43.4	111	SQAG	MacDonald et al. (2003)
Copper	160	160	35.1	104	32	150	SQAG	MacDonald et al. (2003)
Lead	160	146	0.8	2	36	130	SQAG	MacDonald et al. (2003)
Mercury	160	71	0.01	0.03	0.2	1.1	SQAG	MacDonald et al. (2003)
Silver	160	1	0.1	0.3	1	2.2	SQAG	NYSDEC (1999)
Organic (ug/kg)								
4,4'-DDD	160	6	0.7	11.2	4.9	28	SQAG	MacDonald et al. (2003)
4,4'-DDE	160	19	0.6	2.4	3.2	31	SQAG	MacDonald et al. (2003)
4,4'-DDT	160	8	0.4	2.3	4.2	63	SQAG	MacDonald et al. (2003)
Atrazine	160	1	14.1	17	0.3	N/V	SQAG	Stortelder et al. (1989)
Chlordane	160	5	0.5	1.4	3.2	18	SQAG	MacDonald et al. (2003)
Dieldrin	160	4	0.2	1.3	1.9	62	SQAG	MacDonald et al. (2003)
g-BHC	160	8	0.6	6.7	2.4	5	SQAG	MacDonald et al. (2003)

Bold = Exceeds TEC
Bold/Underline = Exceeds PEC
N/V = No value

Notes:
SQAG: Sediment Quality Assessment Guideline
SQAL: Sediment Quality Advisory Level
EqP: Equilibrium Partitioning Benchmark
LEL: Lowest Effect Level
SEL: Severe Effect Level

**Table 5.1-3
False Negative Result Summary-Copper
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	4.8	4.8	0%	0%
3425EF-S	0	0	48.8	48.8	0%	0%
3426CD-N	0	0	20.0	20.0	0%	0%
3431LP-E	0	0	53.1	53.1	0%	0%
3432JN-E	0	0	7.3	7.3	0%	0%
4402OP-N	0	0	31.0	31.0	0%	0%
4414AB-N	0	0	45.0	45.0	0%	0%
4414MN-N	0	0	36.0	36.0	0%	0%
4514IJ-N	0	0	59.0	59.0	0%	0%
4514IJ-S	0	0	57.0	57.0	0%	0%
4514MN-N	0.13	0.13	65.0	65.0	1%	1%
4516AB-N	0	0	70.0	70.0	1%	1%
4520CD-E	0	0	51.0	51.0	1%	1%
4532KL-N	0	0	46.0	46.0	1%	1%
4532KL-S	0	0	38.0	38.0	1%	1%
4532OP-N	0	0	56.0	56.0	1%	1%
4532OP-S	0	0	65.0	65.0	1%	1%
4533EF-N	0	0	45.0	45.0	1%	1%

Notes:

Adjusted result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-4
False Negative Results Summary-4'4-DDD
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	0.23	0.00	0%	0%
3425EF-S	0	0	0.41	0.00	0%	0%
3426CD-N	0	0	0.35	0.00	0%	0%
3431LP-E	0	0	0.42	0.00	0%	0%
3432JN-E	0	0	0.36	0.00	0%	0%
4402OP-N	0	0	0.46	0.00	0%	0%
4414AB-N	0	0	0.42	0.00	0%	0%
4414MN-N	0	0	0.4	0.00	0%	0%
4514IJ-N	0	0	0.55	0.00	0%	0%
4514IJ-S	0	0	0.6	0.00	0%	0%
4514MN-N	0	0	0.6	0.00	0%	0%
4516AB-N	0	0	0.55	0.00	0%	0%
4520CD-E	0	0	0.5	0.00	0%	0%
4532KL-N	0	0	0.7	0.00	0%	0%
4532KL-S	0	0	0.65	0.00	0%	0%
4532OP-N	0	0	0.6	0.00	0%	0%
4532OP-S	0	0	0.6	0.00	0%	0%
4533EF-N	0	0	0.6	0.00	0%	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-5
False Negative Results Summary-4'4-DDE
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	0.07	0.00	0%	0%
3425EF-S	0	0	2.4	2.4	0%	0%
3426CD-N	0	0	0.35	0.00	0%	0%
3431LP-E	0	0	0.42	0.00	0%	0%
3432JN-E	0	0	0.36	0.00	0%	0%
4402OP-N	0	0	0.14	0.00	0%	0%
4414AB-N	0	0	0.13	0.00	0%	0%
4414MN-N	0	0	0.8	0.80	0%	0%
4514IJ-N	0	0	3.5	3.5	0%	0%
4514IJ-S	0	0	3.4	3.4	0%	0%
4514MN-N	0	0	2.6	2.6	0%	0%
4516AB-N	0	0	29	29.0	0%	0%
4520CD-E	0	0	2	2.0	0%	0%
4532KL-N	0	0	0.21	0.00	0%	0%
4532KL-S	0	0	0.20	0.00	0%	0%
4532OP-N	0	0	1	1.0	0%	0%
4532OP-S	0	0	0.18	0.00	0%	0%
4533EF-N	0	0	1.5	1.5	0%	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-6
False Negative Results Summary-4'4-DDT
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	0.08	0.00	0%	0%
3425EF-S	0	0	1.8	1.8	0%	0%
3426CD-N	0	0	0.35	0.00	0%	0%
3431LP-E	0	0	0.42	0.00	0%	0%
3432JN-E	0	0	0.36	0.00	0%	0%
4402OP-N	0	0	0.15	0.00	0%	0%
4414AB-N	0	0	0.14	0.00	0%	0%
4414MN-N	0	0	0.13	0.00	0%	0%
4514IJ-N	0	0	1	1.0	0%	0%
4514IJ-S	0	0	0.19	0.00	0%	0%
4514MN-N	0	0	0.19	0.00	0%	0%
4516AB-N	0	0	5.2	5.2	0%	0%
4520CD-E	0	0	0.17	0.00	0%	0%
4532KL-N	0	0	0.23	0.00	0%	0%
4532KL-S	0	0	0.21	0.00	0%	0%
4532OP-N	0	0	0.19	0.00	0%	0%
4532OP-S	0	0	0.20	0.00	0%	0%
4533EF-N	0	0	0.19	0.00	0%	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-7
False Negative Results Summary-a-Chlordane
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	0.07	0.00	0%	0%
3425EF-S	0	0	0.21	0.00	0%	0%
3426CD-N	0	0	0.18	0.00	0%	0%
3431LP-E	0	0	0.21	0.00	0%	0%
3432JN-E	0	0	0.18	0.00	0%	0%
4402OP-N	0	0	0.14	0.00	0%	0%
4414AB-N	0	0	0.13	0.00	0%	0%
4414MN-N	0	0	0.13	0.00	0%	0%
4514IJ-N	0	0	0.17	0.00	0%	0%
4514IJ-S	0	0	0.18	0.00	0%	0%
4514MN-N	0	0	0.18	0.00	0%	0%
4516AB-N	0	0	0.17	0.00	0%	0%
4520CD-E	0	0	0.16	0.00	0%	0%
4532KL-N	0	0	0.21	0.00	0%	0%
4532KL-S	0	0	0.20	0.00	0%	0%
4532OP-N	0	0	0.18	0.00	0%	0%
4532OP-S	0	0	0.18	0.00	0%	0%
4533EF-N	0	0	0.18	0.00	0%	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-8
False Negative Results Summary-Dieldrin
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	0.14	0.00	0%	0%
3425EF-S	0	0	0.21	0.00	0%	0%
3426CD-N	0	0	0.18	0.00	0%	0%
3431LP-E	0	0	0.21	0.00	0%	0%
3432JN-E	0	0	0.18	0.00	0%	0%
4402OP-N	0	0	0.27	0.00	0%	0%
4414AB-N	0	0	0.25	0.00	0%	0%
4414MN-N	0	0	0.24	0.00	0%	0%
4514IJ-N	0	0	0.32	0.00	0%	0%
4514IJ-S	0	0	0.34	0.00	0%	0%
4514MN-N	0	0	0.34	0.00	0%	0%
4516AB-N	0	0	0.32	0.00	0%	0%
4520CD-E	0	0	0.30	0.00	0%	0%
4532KL-N	0	0	0.40	0.00	0%	0%
4532KL-S	0	0	0.37	0.00	0%	0%
4532OP-N	0	0	0.34	0.00	0%	0%
4532OP-S	0	0	0.35	0.00	0%	0%
4533EF-N	0	0	0.33	0.00	0%	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-9
False Negative Results Summary-g-Chlordane
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	0.37	0.00	0%	0%
3425EF-S	0	0	0.21	0.00	0%	0%
3426CD-N	0	0	0.18	0.00	0%	0%
3431LP-E	0	0	0.21	0.00	0%	0%
3432JN-E	0	0	0.18	0.00	0%	0%
4402OP-N	0	0	0.75	0.00	0%	0%
4414AB-N	0	0	0.70	0.00	0%	0%
4414MN-N	0	0	0.65	0.00	0%	0%
4514IJ-N	0	0	0.90	0.00	0%	0%
4514IJ-S	0	0	0.95	0.00	0%	0%
4514MN-N	0	0	0.95	0.00	0%	0%
4516AB-N	0	0	0.85	0.00	0%	0%
4520CD-E	0	0	0.80	0.00	0%	0%
4532KL-N	0	0	1.10	0.00	0%	0%
4532KL-S	0	0	1.00	0.00	0%	0%
4532OP-N	0	0	0.95	0.00	0%	0%
4532OP-S	0	0	0.95	0.00	0%	0%
4533EF-N	0	0	0.90	0.00	0%	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-10
False Negative Results Summary-Heptachlor epoxide
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	0.08	0.00	0%	0%
3425EF-S	0	0	0.21	0.00	0%	0%
3426CD-N	0	0	0.18	0.00	0%	0%
3431LP-E	0	0	0.21	0.00	0%	0%
3432JN-E	0	0	0.18	0.00	0%	0%
4402OP-N	0	0	0.16	0.00	0%	0%
4414AB-N	0	0	0.15	0.00	0%	0%
4414MN-N	0	0	0.14	0.00	0%	0%
4514IJ-N	0	0	0.19	0.00	0%	0%
4514IJ-S	0	0	0.20	0.00	0%	0%
4514MN-N	0	0	0.20	0.00	0%	0%
4516AB-N	0	0	0.19	0.00	0%	0%
4520CD-E	0	0	0.18	0.00	0%	0%
4532KL-N	0	0	0.24	0.00	0%	0%
4532KL-S	0	0	0.22	0.00	0%	0%
4532OP-N	0	0	0.20	0.00	0%	0%
4532OP-S	0	0	0.21	0.00	0%	0%
4533EF-N	0	0	0.20	0.00	0%	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

Conclusion: Final Exceeding Rate <5%; No need to change the PEC Benchmark

**Table 5.1-11
False Negative Results Summary-Toxaphene
U.S. Sugar Corporation Acquisition**

Composite Sample ID	Adjusted Result Values Exceeding PEC	Result Values Exceeding PEC	Composite Adjusted Result Value	Composite Sample Result Value	Grid Average Adjusted Result Exceeding PEC	Grid Average Result Exceeding PEC
3221IM-W	0	0	8.50	0.00	N/A	0%
3425EF-S	0.63	0	25.5	0.00	N/A	0%
3426CD-N	0	0	21.5	0.00	N/A	0%
3431LP-E	0	0	26.0	0.00	N/A	0%
3432JN-E	0	0	22.5	0.00	N/A	0%
4402OP-N	1	0	17.0	0.00	N/A	0%
4414AB-N	0.88	0	15.5	0.00	N/A	0%
4414MN-N	0	0	15.0	0.00	N/A	0%
4514IJ-N	0.5	0	20.5	0.00	N/A	0%
4514IJ-S	0.38	0	21.5	0.00	N/A	0%
4514MN-N	1	0	21.5	0.00	N/A	0%
4516AB-N	1	0	20.0	0.00	N/A	0%
4520CD-E	1	0	18.5	0.00	N/A	0%
4532KL-N	1	0	25.5	0.00	N/A	0%
4532KL-S	0	0	23.5	0.00	N/A	0%
4532OP-N	0	0	21.5	0.00	N/A	0%
4532OP-S	0	0	22.0	0.00	N/A	0%
4533EF-N	1	0	21.0	0.00	N/A	0%

Notes:

Adjusted Result values are based on non-detects = 1/2 detection limit

Result values are based on non-detects = 0

N/A = Based on adjusted results, all composite grids are exceeding, and thus, not suitable for the false negative analysis

Conclusion: Final Exceeding Rate based on Result values <5%; No need to change the PEC Benchmark

Table 5.2-1
Organic COPEC Identification - Aquatic-Feeding Wildlife Receptor
Sugarcane 40-Acre Composite Samples
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum Detection					RBC				
				Sand Low TOC	Sand High TOC	Muck Low TOC	Muck Mid TOC	Muck High TOC	Sand Low TOC	Sand High TOC	Muck Low TOC	Muck Mid TOC	Muck High TOC
Area 1													
Organic (ug/kg)													
2,4-D	136	2	39.2	N/D	14	N/D	138	N/D	3351	19,234	41,554	92,948	136,219
4,4'-DDD	141	2	0.5	1.7	N/D	N/D	N/D	N/D	27.5	158	341	762	1115
4,4'-DDE	141	27	18.4	7.9	6.1	343	N/D	N/D	8.3	47.8	103	231	338
4,4'-DDT	141	11	5.5	6.6	N/D	98.8	N/D	N/D	6.2	35.6	76.8	172	252
Atrazine	141	25	48.1	86.5	92	555	173	N/D	12,300	70,400	151,000	335,000	487,000
Chlordane	141	4	1.1	0.7	0.7	23.6	0.4	N/D	54	311	669	1493	2182
Dieldrin	141	3	1.5	0.6	N/D	34.5	N/D	N/D	461	2476	4852	8937	11,403
Endosulfan I	141	3	0.4	2.6	N/D	N/D	N/D	N/D	37.2	213	460	1023	1494
Endosulfan II	141	4	1.6	30.5	N/D	N/D	N/D	N/D	120	685	1438	3228	4542
Endosulfan sulfate	141	12	4.6	75.9	6.2	N/D	N/D	N/D	158	497	1068	4210	5822
Ethoprop	141	2	13.2	N/D	N/D	23	N/D	N/D	3.4	19.7	42.6	95.2	140
Toxaphene	141	2	70.6	84.4	N/D	1310	N/D	N/D	141	806	1739	3872	5653
Area 2													
Organic (ug/kg)													
2,4,5-TP	389	2	27.3	N/D	N/D	16.8	N/D	N/D	N/V	N/V	N/V	N/V	N/V
2,4-D	389	8	70.8	N/D	N/D	70.2	N/D	168	3351	19,234	41,554	92,948	136,219
4,4'-DDD	389	101	35.8	N/D	N/D	N/D	131	420	27.5	158	341	762	1115
4,4'-DDE	389	313	358.1	1.5	N/D	101	1300	2400	8.3	47.8	103	231	338
4,4'-DDT	389	237	239.6	0.8	N/D	60.6	2480	3500	6.2	35.6	76.8	172	252
Aldrin	389	6	0.8	N/D	N/D	N/D	1.3	4.8	694	3348	4598	5592	5921
Atrazine	389	220	92.1	N/D	16	64	370	1150	12,300	70,400	151,000	335,000	487,000
Chlordane	389	116	44.6	0.5	1.55	9.8	194	520	54	311	669	1493	2182
Dieldrin	389	118	44.5	5.7	N/D	8.6	181	410	461	2476	4852	8937	11,403
Endosulfan I	389	3	0.79	N/D	N/D	2.9	N/D	3.8	37.2	213	460	1023	1494
Endosulfan sulfate	389	2	1.71	N/D	N/D	1.4	N/D	0.9	158	497	1068	4210	5822
Endrin	389	13	1.79	1.6	N/D	6.9	1.4	7.4	2.1	11.9	25.7	57.3	83.7
Endrin ketone	389	14	4.42	N/D	N/D	1.7	N/D	100	10.5	60	129	287	418
Ethoprop	389	14	16.9	N/D	N/D	N/D	N/D	67	3.4	19.7	42.6	95.2	140
Heptachlor epoxide	389	57	8.2	N/D	N/D	2.7	53.2	150	4.8	27.6	59.7	134	196
Pentachlorophenol	125	124	5.7	N/D	N/D	N/D	N/D	9.2	N/V	N/V	N/V	N/V	NA
Terbufos	264	1	197.2	N/D	N/D	N/D	N/D	9600	N/V	N/V	N/V	N/V	NA
Toxaphene	389	30	413.4	109	ND	1330	14,400	1690	141	806	1739	3872	5653

Table 5.2-1
Organic COPEC Identification - Aquatic-Feeding Wildlife Receptor
Sugarcane 40-Acre Composite Samples
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum Detection					RBC					
				Sand Low TOC	Sand High TOC	Muck Low TOC	Muck Mid TOC	Muck High TOC	Sand Low TOC	Sand High TOC	Muck Low TOC	Muck Mid TOC	Muck High TOC	
Area 3														
<i>Organic (ug/kg)</i>														
2,4,5-T	261	8	15.5	N/D	6.2	17.2	N/D	N/D	N/V	N/V	N/V	N/V	N/V	N/V
2,4-D	261	19	66.2	N/D	N/D	46.3	72.6	109	3351	19,234	41,554	92,948	136,219	
4,4'-DDD	261	123	21.4	N/D	N/D	N/D	120	180	27.5	158	341	762	1115	
4,4'-DDE	261	207	359	N/D	0.93	1.4	1200	1900	8.3	47.8	103	231	338	
4,4'-DDT	261	177	260	N/D	N/D	0.44	1300	2700	6.2	35.6	76.8	172	252	
Aldrin	261	43	1.1	N/D	N/D	N/D	7.4	8.2	694	3348	4598	5592	5921	
Atrazine	261	143	77.9	N/D	950	24	300	180	12,300	70,400	151,000	335,000	487,000	
Chlordane	261	57	26.9	N/D	1.5	10	240	260	54	311	669	1493	2182	
Dieldrin	261	137	71.1	N/D	1.5	5.2	260	480	461	2476	4852	8937	11403	
Endosulfan I	261	3	0.5	N/D	N/D	N/D	2.7	0.98	37.2	213	460	1023	1494	
Endosulfan II	261	5	2.7	N/D	N/D	N/D	2.3	89	120	685	1438	3228	4542	
Endosulfan sulfate	261	7	1.02	N/D	N/D	N/D	3.9	3.9	158	497	1068	4210	5822	
Endrin	261	15	5.5	N/D	N/D	N/D	120	92	2.1	11.9	25.7	57.3	83.7	
Ethoprop	261	6	15.6	N/D	N/D	N/D	42	21	3.4	19.7	42.6	95.2	140	
g-BHC	261	1	0.7	N/D	N/D	N/D	N/D	0.62	327	1872	4026	8896	12,807	
Heptachlor epoxide	261	44	9.05	N/D	N/D	N/D	96	84	4.8	27.6	59.7	134	196	
Pentachlorophenol	90	1	2.8	N/D	N/D	N/D	N/D	3.1	N/V	N/V	N/V	N/V	N/V	
Terbufos	171	1	71.9	N/D	N/D	N/D	2200	N/D	N/V	N/V	N/V	N/V	N/V	
Toxaphene	261	3	58.4	N/D	N/D	N/D	442	274	141	806	1739	3872	5653	
Area 4														
<i>Organic (ug/kg)</i>														
2,4,5-T	163	1	16.9	N/D	N/D	5.6	N/D	N/D	N/V	N/V	N/V	N/V	N/V	N/V
2,4-D	163	12	71.1	N/D	N/D	N/D	96.8	81.7	3351	19,234	41,554	92,948	136,219	
4,4'-DDD	163	55	313	N/D	N/D	3000	36.5	940	27.5	158	341	762	1115	
4,4'-DDE	163	128	833.1	N/D	N/D	5100	74.5	2500	8.3	47.8	103	231	338	
4,4'-DDT	163	103	699.5	N/D	N/D	5800	37.9	2300	6.2	35.6	76.8	172	252	
Atrazine	163	59	65.6	N/D	N/D	110	96	530	12,300	70,400	151,000	335,000	487,000	
Chlordane	163	11	6.6	N/D	N/D	8.7	5.4	72	54	311	669	1493	2182	
Dieldrin	163	31	24.3	N/D	N/D	4.8	9.7	410	461	2476	4852	8937	11,403	
Endosulfan I	163	11	1.3	N/D	N/D	N/D	N/D	15	37.2	213	460	1023	1494	
Endosulfan II	163	14	3.8	N/D	N/D	N/D	N/D	36	120	685	1438	3228	4542	
Endosulfan sulfate	163	21	6.8	N/D	N/D	N/D	2	62	158	497	1068	4210	5822	
Endrin	163	1	0.8	N/D	N/D	N/D	N/D	0.57	2.1	11.9	25.7	57.3	83.7	
Ethoprop	163	1	14.6	N/D	N/D	N/D	N/D	100	3.4	19.7	42.6	95.2	140	
g-BHC	163	5	3.7	N/D	N/D	71.1	1.2	10.6	327	1872	4026	8896	12,807	
Heptachlor epoxide	163	5	1.1	N/D	N/D	N/D	N/D	12	4.8	27.6	59.7	134	196	
Toxaphene	163	1	56.9	N/D	N/D	N/D	372	N/D	141	806	1739	3872	5653	

N/A = Not analyzed

N/D = Analyte not detected (result below MDL)

N/V = No value

Bold = Result exceeds RBC

Table 5.2-2
Organic COPEC Identification - Aquatic-Feeding Wildlife Receptor
Citrus 40-Acre Composite Samples
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum		RBC	
				Sand Low TOC	Sand High TOC	Sand Low TOC	Sand High TOC
Dunwoody							
Organic (ug/kg)							
2,4,5-T	32	2	9.8	1.8	N/D	N/V	N/V
4,4'-DDE	32	7	1.7	6.9	N/D	8.3	47.8
4,4'-DDT	32	1	0.5	1.1	N/D	6.2	35.6
Chlordane	32	1	0.9	1.9	N/D	54	311
Dieldrin	32	1	0.2	0.6	N/D	461	2476
Endosulfan I	32	1	0.3	1.7	N/D	37.2	213
g-BHC	32	2	0.3	0.5	N/D	327	1872
Devil's Garden							
Organic (ug/kg)							
4,4'-DDE	45	1	0.44	N/D	1.2	8.3	47.8
4,4'-DDT	45	1	0.45	N/D	0.93	6.2	35.6
Chlorpyrifos	44	3	30.6	N/D	66	N/V	N/V
Southern Division							
Organic (ug/kg)							
4,4'-DDD	160	6	0.6	11.2	N/D	27.5	158
4,4'-DDE	160	19	0.7	2.4	N/D	8.3	47.8
4,4'-DDT	160	8	0.4	2.3	N/D	6.2	35.6
Atrazine	160	1	14.1	17	N/D	12,300	70,400
Chlordane	160	5	0.5	1.4	N/D	54	311
Dieldrin	160	4	0.2	1.3	N/D	461	2476
g-BHC	160	8	0.6	6.7	N/D	327	1872

N/V = No RBC Value available

N/D = Analyte not detected (result below MDL)

Bold = Analyte exceeds RBC

Table 5.2-3
Organic COPEC Breakdown by TOC Sub-Population - Aquatic-Feeding Wildlife Receptor
40-Acre Composite Samples
U.S. Sugar Corporation Acquisition

Analyte	Sand Low (TOC = 0.54%)	Sand High (TOC = 3.1%)	Muck Low (TOC = 6.7%)	Muck Mid (TOC = 15%)	Muck High (TOC = 22%)
4,4'-DDD			X		
4,4'-DDE			X	X	X
4,4'-DDT	X		X	X	X
Endrin				X	X
Toxaphene				X	

Table 5.2-4
Inorganic COPEC Identification - Aquatic-Feeding Wildlife Receptor
Sugarcane 40-Acre Composite Samples
U.S. Sugar Corporation Acquisition

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum Detection	RBC	Receptor
Area 1						
<i>Inorganic (mg/kg)</i>						
Arsenic	141	95	3.4	14	47.8	Clapper Rail
Barium	141	141	34.9	119	248	Everglades Snail Kite
Cadmium	141	8	0.0	0.2	28.2	Everglades Snail Kite
Chromium	141	141	6.2	35	80	Clapper Rail
Copper	141	141	32.1	113	85	Everglades Snail Kite
Lead	141	132	3.3	16	539	Clapper Rail
Mercury	141	89	0.03	0.1	0.4	Tri-Colored Heron
Selenium	141	75	1.7	8	2	Aquatic-Feeding Wildlife
Silver	141	5	0.1	0.5	57	Clapper Rail
Area 2						
<i>Inorganic (mg/kg)</i>						
Arsenic	389	389	8.78	24	47.8	Clapper Rail
Barium	389	389	105	184	248	Everglades Snail Kite
Cadmium	389	83	0.11	0.58	28.2	Everglades Snail Kite
Chromium	389	389	10.7	41	80	Clapper Rail
Copper	389	389	100	404	85	Everglades Snail Kite
Lead	389	386	5.62	32.9	539	Clapper Rail
Mercury	389	389	0.06	0.13	0.4	Tri-Colored Heron
Selenium	389	323	3.09	9.2	2	Aquatic-Feeding Wildlife
Silver	389	23	0.30	1.7	57	Clapper Rail
Area 3						
<i>Inorganic (mg/kg)</i>						
Arsenic	261	259	8.8	48	47.8	Clapper Rail
Barium	261	261	112	178	248	Everglades Snail Kite
Cadmium	261	51	0.1	0.4	28.2	Everglades Snail Kite
Chromium	261	261	14.7	46	80	Clapper Rail
Copper	261	261	70.1	314	85	Everglades Snail Kite
Lead	261	261	7.58	110	539	Clapper Rail
Mercury	261	261	0.07	0.2	0.4	Tri-Colored Heron
Selenium	261	251	5.09	14	2	Aquatic-Feeding Wildlife
Silver	261	53	0.55	2.6	57	Clapper Rail
Area 4						
<i>Inorganic (mg/kg)</i>						
Arsenic	163	162	5.53	29	47.8	Clapper Rail
Barium	163	162	83.7	244	248	Everglades Snail Kite
Cadmium	163	38	0.12	0.5	28.2	Everglades Snail Kite
Chromium	163	162	8.37	30.2	80	Clapper Rail
Copper	163	162	57.1	152	85	Everglades Snail Kite
Lead	163	162	4.84	16	539	Clapper Rail
Mercury	163	162	0.06	0.2	0.4	Tri-Colored Heron
Selenium	163	137	3.04	8.5	2	Aquatic-Feeding Wildlife
Silver	163	25	0.59	2.5	57	Clapper Rail

Bold = Maximum Detection exceeds RBC.

**Table 5.2-5
Inorganic COPEC Identification - Aquatic-Feeding Wildlife Receptor
Citrus 40-Acre Composite Samples
U.S. Sugar Corporation Acquisition**

Analyte	Number of Samples	Number of Detects	95th UCL	Maximum Detection	RBC	Receptor
Dunwoody						
<i>Inorganic (mg/kg)</i>						
Arsenic	32	16	0.78	2.4	47.8	Clapper Rail
Barium	32	32	4.28	7.7	248	Everglades Snail Kite
Chromium	32	32	2.68	4.8	80	Clapper Rail
Copper	32	32	31.1	73	85	Everglades Snail Kite
Lead	32	32	2.05	5.9	539	Clapper Rail
Mercury	32	6	0.01	0.006	0.41	Tri-Colored Heron
Selenium	32	7	0.24	0.29	2	Aquatic-Feeding Wildlife
Silver	32	1	0.10	0.07	57	Clapper Rail
Devil's Garden						
<i>Inorganic (mg/kg)</i>						
Arsenic	45	10	0.33	1.1	47.8	Clapper Rail
Barium	45	45	1.73	3	248	Everglades Snail Kite
Cadmium	45	2	0.05	0.08	28.2	Everglades Snail Kite
Chromium	45	45	2.95	8.9	80	Clapper Rail
Copper	45	45	28.9	52.5	85	Everglades Snail Kite
Lead	45	38	0.61	1.1	539	Clapper Rail
Mercury	45	19	0.006	0.02	0.41	Tri-Colored Heron
Selenium	45	6	0.25	0.3	2	Aquatic-Feeding Wildlife
Southern Division						
<i>Inorganic (mg/kg)</i>						
Arsenic	160	31	0.24	1.5	47.8	Clapper Rail
Barium	160	160	2.02	7.1	248	Everglades Snail Kite
Cadmium	160	3	0.04	0.08	28.2	Everglades Snail Kite
Chromium	160	160	3.47	14	80	Clapper Rail
Copper	160	160	35.1	104	85	Everglades Snail Kite
Lead	160	146	0.79	2	539	Clapper Rail
Mercury	160	71	0.01	0.03	0.4	Tri-Colored Heron
Selenium	160	8	0.24	0.8	2	Aquatic-Feeding Wildlife
Silver	160	1	0.14	0.3	57	Clapper Rail

Bold = Maximum Detection exceeds RBC.

**Table 6.2-1
Bio-Sample Targets and Rationale
U.S. Sugar Corporation Acquisition**

Target	Rationale	Field ID	Bio-Analyses Needed (Bulk Samples)			
			Toxicity (aged)	Toxicity (unaged)	Bioaccumulation	Pore Water
Worst Case OCP w/ Toxaphene High TOC	Bioaccumulation and pore water testing at high OCP concentration and moderate TOC.	4501IM-W			X	X
DDX > RBCs High TOC	Bioaccumulation and porewater test at high OCP concentration and high TOC.	4631LP-E			X	X
Ba > PEC; Cu > TEC < 85; As > TEC High TOC	Toxicity testing at widespread barium and copper SQAG exceedance and high TOC. No detected organics.	4617MN-N	X	X		
High OCP (mix plus Toxaphene) High TOC	Testing of toxicity with moderate OCP concentrations and high TOC.	4501JN-W	X	X		
DDT > TEC not mixed with other OCPs; Ba > PEC Cu > TEC < 85 High TOC	Testing of OCP > TEC and <PEC in presence of Ba and Cu at regional concentrations and moderate TOC.	4502OP-S	X	X		
OCPs (mixed) > PEC; Ba > PEC; Cu > TEC < 85; As > TEC Moderate TOC	Testing toxicity of a mix of elevated OCPs > PEC at regional metals concentrations. Pore water tests also conducted. Moderate TOC.	4501F	X	X		X
Mid-range OCP (mixed) High TOC	Bioaccumulation and pore water tests at low- to mid-level OCP at regional metals concentration and high TOC	4621AE-E		X	X	X
Atrazine detect, Ba and Cu > TEC. No OCP. Mid-range TOC	Toxicity testing with Atrazine without OCP toxicity at regional metals concentrations.	4403DH	X	X		
Cu > TEC < 85; Sand	Toxicity testing in sand at low Cu concentrations.	001E2-S		X		
As, Ba, Cu > TEC Sand (Low TOC)	Toxicity testing in sand where multiple metals >TEC .	2324AB-N		X		
Toxaphene and low DDX (<PEC) only at regional Ba and Cu concentrations	Toxicity and bioaccumulation testing for toxaphene in the absence of DDX > PEC.	4509CD-S	X	X	X	X
Cu > TEC Sand	Toxicity testing in sand with Cu concentrations > TEC.	3433AE-E		X		

OCP: Organochlorine pesticide
TOC: Total organic carbon
TEC: Threshold effects concentration
PEC: Probable effects concentration
DDX: 4,4'-DDD; 4,4'-DDE; 4,4'-DDT
RBC: Risk based concentration

**Table 6.2-2
Summary Results of 10-Day Test with *Hyalalela azteca*
U.S. Sugar Corporation Acquisition**

Sample		Mean Percentage Survival	SD	Mean Dry Wt. per Survivor (mg)	SD	Total Organic Carbon (mg/kg)	Analytes Exceeding TEC	TEC HQ	Analytes Exceeding PEC	PEC HQ
Control	NA	96.3	5.2	0.061	0.02					
4617 MN North	Acclimated	87.5	7.1	0.097	0.03	232,333	Arsenic	1.3	Barium	2.3
	Unacclimated	96.3	5.2	0.084	0.01		Copper	2		
4502 OP South	Acclimated	93.8	7.4	0.084	0.01	121,333	4,4'-DDD	1.3	4,4'-DDE	1.37
	Unacclimated	96.3	5.2	0.081	0.01		4,4'-DDT	4.8	Barium	1.86
							Arsenic	1.2	Toxaphene	1.22
4501 F							Copper	1.5		
	Acclimated	90	9.3	0.084	0.01	92,767	Copper	1.6	4,4'-DDD	6
	Unacclimated	96.3	7.4	0.073	0.01				4,4'-DDE	45.2
									4,4'-DDT	28.6
									Barium	2.1
									Chlordane	24.3
									Dieldrin	1.9
									Heptachlor epoxide	4.4
4501 JN West									Toxaphene	60.9
	Acclimated	96.3	5.2	0.081	0.01	116,000	Copper	1.8	4,4'-DDD	1.4
	Unacclimated	95	7.6	0.085	0.01		Dieldrin	24.4	4,4'-DDE	12.2
							Heptachlor epoxide	5.2	4,4'-DDT	10
									Barium	2
									Chlordane	9.6
4403 DH									Toxaphene	29.9
	Acclimated	93.8	7.4	0.087	0.02	111,000	Atrazine	505.6	Chlordane	1.02
	Unacclimated	95	5.3	0.093	0.03		Azinphos methyl	2903.2	Toxaphene	1.9
							Barium	2		
							Copper	1.2		
4509 CD-S										
	Acclimated	90	9.3	0.099	0.01	299,000	Diazinon	473.7		
	Unacclimated	92.5	7.1	0.089	0.01		Malathion	268.7		
									4,4'-DDD	1.3
									4,4'-DDE	2.9
									Aldrin	1.3
									4,4'-DDT	1.7
									Arsenic	1.1
								Barium	2.6	
4621 AE East									Copper	1.6
									Chlordane	5.5
									Chromium	0.3
									Toxaphene	9.1
									Dieldrin	11.2
									Endrin	1.2
									Endrin aldehyde	1.2
								gamma-BHC (Lindane)	1.1	
4621 AE East	Unacclimated	95	7.6	0.094	0.02	5,823	4,4'-DDD	4.5	4,4'-DDE	7.74
							Dieldrin	10.9	4,4'-DDT	1.10
							Heptachlor epoxide	1.5	Chlordane	1.20
									Toxaphene	12.08
001E2-S	Unacclimated	96.3	5.2	0.08	0.02		Copper	1.22		
3433 AE-E	Unacclimated	90	7.6	0.084	0.01		Barium	1.9		
							Copper	2.6		
2324 AB North	Unacclimated	91.3	8.3	0.088	0.01	135,667	Arsenic	1.07	Barium	1.82
							Copper	1.49		

Table 6.2-3
Summary Results of 10-Day Test with *Chironomus dilutus*
 U.S. Sugar Corporation Acquisition

Sample		Mean Percentage Survival	SD	Mean Dry Wt. per Survivor (mg)	SD	Total Organic Carbon (mg/kg)	Analytes Exceeding TEC	TEC HQ	Analytes Exceeding PEC	PEC HQ
Control	NA	93.8	7.4	1.668	0.266					
4617 MN North	Acclimated	90	7.6	1.582	0.252	232,333	Arsenic	1.3	Barium	2.3
	Unacclimated	93.8	14.1	1.451	0.234		Copper	2		
4502 OP South	Acclimated	95.7	5	1.655	0.277	121,333	4,4'-DDD	1.3	4,4'-DDE	1.37
	Unacclimated	93.8	10.6	1.714	0.227		4,4'-DDT	4.8	Barium	1.86
							Arsenic	1.2	Toxaphene	1.22
							Copper	1.5		
4501 F	Acclimated	73.8S	20.7	0.436S	0.172	92,767	Copper	1.6	4,4'-DDD	6
	Unacclimated	73.8S	11.9	0.392S	0.108		4,4'-DDE		45.2	
							4,4'-DDT		28.6	
							Barium		2.1	
							Chlordane		24.3	
							Dieldrin		1.9	
							Heptachlor epoxide		4.4	
					Toxaphene		60.9			
4501 JN West	Acclimated	76.5S	19.7	0.442S	0.106	116,000	Copper	1.8	4,4'-DDD	1.4
	Unacclimated	70.0S	17.7	0.318S	0.083		Dieldrin	24.4	4,4'-DDE	12.2
							Heptachlor epoxide	5.2	4,4'-DDT	10
							Barium		2	
							Chlordane		9.6	
					Toxaphene		29.9			
4403 DH	Acclimated	91.3	8.3	1.563	0.221	111,000	Atrazine	505.6	Chlordane	1.02
	Unacclimated	97.5	4.6	1.434	0.195		Azinphos methyl	2903.2	Toxaphene	1.9
							Barium	2		
							Copper	1.2		
							Diazinon	473.7		
					Malathion	268.7				
4509 CD-S	Acclimated	93.8	9.2	1.548	0.204	299,000	4,4'-DDD	1.3	4,4'-DDE	2.9
	Unacclimated	96.7	4.6	1.558	0.23		Aldrin	1.3	4,4'-DDT	1.7
							Arsenic	1.1	Barium	2.6
							Copper	1.6	Chlordane	5.5
							Chromium	0.3	Toxaphene	9.1
							Dieldrin	11.2		
							Endrin	1.2		
							Endrin aldehyde	1.2		
							gamma-BHC (Lindane)	1.1		
4621 AE East	Unacclimated	100	0	1.299S	0.214	5,823	4,4'-DDD	4.5	4,4'-DDE	7.74
							Dieldrin	10.9	4,4'-DDT	1.10
							Heptachlor epoxide	1.5	Chlordane	1.20
							Toxaphene		12.08	
001E2-S	Unacclimated	95	5.3	1.323S	0.251		Copper	1.22		
3433 AE-E	Unacclimated	97.6	7.4	1.622	0.299		Barium	1.9		
							Copper	2.6		
2324 AB North	Unacclimated					135,667	Arsenic	1.07	Barium	1.82
							Copper	1.49		
2324 AB North ⁽¹⁾	Unacclimated	78.8	12.8	1.953	0.267	135,667	Arsenic	1.07	Barium	1.82
							Copper	1.49		

(1) Test conducted under a separate batch. Control organism survival was 88.8% with a mean dry weight per survivor of 1.8 mg

**Table 6.2-4
Average PEC-Q for COPECs Detected in
Sediment Toxicity Test Samples
U.S. Sugar Corporation Acquisition**

Sample Number	COPEC	PEC-Q	Average PEC-Q
2324AB-N	Arsenic	0.3	0.38
	Barium	1.8	
	Cadmium	0.04	
	Chromium	0.2	
	Copper	0.3	
	Lead	0.1	
	Mercury	0.1	
	Silver	0.3	
3433AE-E	Arsenic	0.1	0.18
	Barium	0.6	
	Cadmium	0.1	
	Chromium	0.1	
	Copper	0.5	
	Lead	0.04	
	Mercury	0.01	
	Silver	0.2	
4403DH	4,4'-DDD	0.1	0.26
	4,4'-DDE	0.1	
	4,4'-DDT	0.03	
	Aldrin	0.02	
	Arsenic	0.1	
	Barium	0.6	
	Cadmium	0.1	
	Chlordane	1.1	
	Chromium	0.03	
	Copper	0.3	
	Dieldrin	0.03	
	Endrin	0.01	
	Endrin aldehyde	0.01	
	Heptachlor	0.1	
	Heptachlor epoxide	0.1	
	Lead	0.04	
	Mercury	0.05	
	Silver	0.2	
Toxaphene	2.0		

**Table 6.2-4
Average PEC-Q for COPECs Detected in
Sediment Toxicity Test Samples
U.S. Sugar Corporation Acquisition**

Sample Number	COPEC	PEC-Q	Average PEC-Q
4501F	4,4'-DDD	4.3	9.3
	4,4'-DDE	48.4	
	4,4'-DDT	27.0	
	Aldrin	0.002	
	Arsenic	0.2	
	Barium	2.1	
	Cadmium	0.1	
	Chlordane	25.0	
	Chromium	0.4	
	Copper	0.3	
	Dieldrin	1.9	
	Endrin	0.001	
	Endrin aldehyde	0.002	
	Heptachlor	0.1	
	Heptachlor epoxide	4.1	
	Lead	0.2	
	Mercury	0.1	
	Silver	0.1	
Toxaphene	62.5		
4501JN-W	4,4'-DDD	0.9	3.4
	4,4'-DDE	6.5	
	4,4'-DDT	19.0	
	Aldrin	0.002	
	Arsenic	0.2	
	Barium	1.9	
	Cadmium	0.2	
	Chlordane	17.8	
	Chromium	0.4	
	Copper	0.4	
	Dieldrin	0.5	
	Endrin	0.001	
	Endrin aldehyde	0.002	
	Heptachlor	0.012	
	Heptachlor epoxide	0.7	
	Lead	0.1	
	Mercury	0.1	
	Silver	0.1	
Toxaphene	15.9		

**Table 6.2-4
Average PEC-Q for COPECs Detected in
Sediment Toxicity Test Samples
U.S. Sugar Corporation Acquisition**

Sample Number	COPEC	PEC-Q	Average PEC-Q
4502OP-S	4,4'-DDD	0.2	0.35
	4,4'-DDE	1.6	
	4,4'-DDT	0.2	
	Aldrin	0.002	
	Arsenic	0.4	
	Barium	1.8	
	Cadmium	0.2	
	Chlordane	0.1	
	Chromium	0.3	
	Copper	0.3	
	Dieldrin	0.003	
	Endrin	0.001	
	Endrin aldehyde	0.002	
	Heptachlor	0.01	
	Heptachlor epoxide	0.01	
	Lead	0.1	
	Mercury	0.1	
	Silver	0.1	
Toxaphene	1.2		
4509CD-S	4,4'-DDD	0.3	1.4
	4,4'-DDE	3.9	
	4,4'-DDT	0.6	
	Aldrin	0.03	
	Arsenic	0.3	
	Barium	3.8	
	Cadmium	0.2	
	Chlordane	7.8	
	Chromium	0.1	
	Copper	0.3	
	Dieldrin	0.2	
	Endrin	0.01	
	Endrin aldehyde	0.01	
	Heptachlor	0.2	
	Heptachlor epoxide	0.2	
	Lead	0.1	
	Mercury	0.1	
	Silver	0.4	
Toxaphene	8.4		

**Table 6.2-4
Average PEC-Q for COPECs Detected in
Sediment Toxicity Test Samples
U.S. Sugar Corporation Acquisition**

Sample Number	COPEC	PEC-Q	Average PEC-Q
4617MN-N	Arsenic	0.4	0.46
	Barium	2.3	
	Cadmium	0.04	
	Chromium	0.2	
	Copper	0.4	
	Lead	0.1	
	Mercury	0.1	
	Silver	0.1	
4621AE-E	4,4'-DDD	0.7	2.4
	4,4'-DDE	8.4	
	4,4'-DDT	1.1	
	Aldrin	0.003	
	Chlordane	1.4	
	Dieldrin	0.4	
	Endrin	0.002	
	Endrin aldehyde	0.003	
	Heptachlor	0.02	
	Heptachlor epoxide	0.3	
	Toxaphene	13.8	

Note: Average PEC-Q is an average of all concentration/pec for all detected chemicals with PEC SQAGs.

Table 6.2-5
Results of Bioaccumulation Tests using *Lumbriculus variegatus*
U.S. Sugar Corporation Acquisition

Sediment Sample	Analyte	Sediment				Tissue Concentration (ug/Kg)				Porewater Concentration (ug/L)				
		Units	Sediment Conc.	Qual	TOC content (%)	Lab Measured	Qual	Modeled	Ratio Model:Lab	Day 7	Qual	Day 14	Qual	Modeled
3222 AB-S	4,4'-DDD	ug/kg	1.4	U	0.65	93	J	86	0.9	0.003	U	0.01		0.002
	4,4'-DDT	ug/kg	1.4	U		34	J	382.1	11.2	0.007		0.03		0.0009
4501 IM-W	4,4'-DDD	ug/kg	163.3		15.8	252.5	J	413.2	1.6	0.004	U	0.05		0.008
	4,4'-DDE	ug/kg	2000			655	J	16714	25.5	0.8		0.4		0.2
	4,4'-DDT	ug/kg	3200			535	J	35930	67.2	0.7		0.7		0.09
	Dieldrin	ug/kg	256.7			88.3	J	12.03	0.14	0.2		0.1		0.007
	Toxaphene	ug/kg	9100			2500	J	10699	4.28	6		2.6		7.3
4509 CD-S	4,4'-DDD	ug/kg	6.6		29.9	130.0	J	8.8	0.1	0.005	U	0.004	U	0.0002
	4,4'-DDE	ug/kg	88.7			28.7	J	392	13.6	0.07		0.03		0.006
	Copper	mg/kg	52.1			8.13	J	---	---	13.3		24		
	Selenium	mg/kg	2.49	U		1.2	J	---	---	4	U	8.9	U	
4621 AE-E	4,4'-DDD	ug/kg	22		0.58	140.0	J	1514	10.8	0.02		0.003	U	0.03
	4,4'-DDE	ug/kg	240			71.5	J	54639	764.2	0.5		0.05		0.8
	4,4'-DDT	ug/kg	69.3			48	J	21197	441.6	0.06		0.01		0.05
4631 LP-E	4,4'-DDD	ug/kg	40.7		44.6	132.5	J	36.7	0.3	0.07		0.02		0.0007
	4,4'-DDE	ug/kg	406.7			370	J	1205	3.3	1.3		0.31		0.02
	4,4'-DDT	ug/kg	352.3			41.8	J	1400	33.5	0.2		0.04		0.003

U: Analyte not detected (result below MDL)

J: Result estimated

Notes:

Sediment concentrations and TOC presented as the mean of three verification samples.

Tissue concentrations presented as the mean of all tissue reps.

**Table 6.3-1
Detailed Carbon Analysis Summary
U.S. Sugar Corporation Acquisition**

Analyte	4501IM-W	4631LP-E	4403DH	001E2-S	4617MN-N	3222AB-S
Total Carbon (Run 1)	16	48	20	0.92	30	1.4
Total Carbon (Run 2)	17	48	18	0.7	26	1.2
Total Organic Carbon (Run 1)	15	33	14	0.5	27	0.59
Total Organic Carbon (Run 2)	14	31	15	0.4	24	0.62
Soot (Run 1)	1.7	2.6	0.23	0.0	0.89	0.0
Soot (Run 2)	1.8	2.4	0.25	0.0	0.88	0.0
Total Carbon	17	48	19	0.8	28	1.3
Total Organic Carbon	15	32	15	0.5	26	0.6
Total Soot	1.8	2.5	0.2	0.0	0.9	0.0
TOC	88	67	76	56	91	47
Soot	11	5	1.2	0	3.2	0

Note: All results presented as %.

Table 6.4-1
NOAEL and LOAEL Risk-Based Concentrations for Wildlife Receptors: Organic COPECs
U.S. Sugar Corporation Acquisition

COPEC	Sand Low (0.54% TOC)		Sand High (3.1% TOC)		Muck Low (6.7% TOC)		Muck Mid (15% TOC)		Muck High (22% TOC)	
	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL	NOAEL	LOAEL
4,4'-DDD	27.5	48.3	158	277	341	598	762	1335	1115	1954
4,4'-DDE	8.3	14.6	47.8	83.7	103	181	231	404	338	593
4,4'-DDT	6.2	10.4	35.6	59.7	76.8	129	172	288	252	423
Endrin	2.1	20.8	11.9	119	25.7	256	57.3	573	83.7	837
Toxaphene	141	203	806	1165	1739	2511	3872	5593	5653	8166

Note: Results presented as ug/kg.