

1/23/2008 12:25:45PM

Client: C & C PEAT CO, INC.  
1650 CR470  
OKAHUMPKA, FL 34762

Work Order: ORA0025  
Project Name: QUARTERLY - POTTING SOIL  
Project Number: 1st Quarter 2008  
Date Received: 01/02/08

Attn: STEPHEN COOK

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
1	ORA0025-01	01/02/08 13:15

Samples were received into laboratory at a temperature of 20.90 °C.

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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Results are reported on a wet weight basis unless otherwise noted

The reported results were obtained in compliance with 2003 NELAC standards unless otherwise noted.

These results relate only to the items tested

Estimated uncertainty is available upon request.

Florida Certification Number: E83012

This report has been electronically signed.

Approved By:



**TestAmerica Orlando**  
Enid Ortiz For Holli Raffington  
Project Manager

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1650 CR470  
OKAHUMPKA, FL 34762  
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Project: QUARTERLY - POTTING SOIL  
Project Number: 1st Quarter 2008

Sampled: 01/02/08  
Received: 01/02/08

**LABORATORY REPORT**  
**Sample ID: 1 - Lab Number: ORA0025-01 - Matrix: Solid/Soil**

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>General Chemistry Parameters</b>											
7723-14-0	<b>Phosphorus-Total</b>	<b>1070</b>	J4,I	mg/kg dry	0.874	0.874	2	01/09/08 14:25	ALJ	EPA 365.4	8A09029
NA	<b>Moisture</b>	<b>54.2</b>		%	0.100	0.100	1	01/03/08 15:35	RRP	EPA 160.3	8A03028
NA	<b>Nitrate/Nitrite as N</b>	<b>287</b>		mg/kg dry	5.46	5.46	5	01/10/08 16:51	ALJ	EPA 353.2	8A11015
E1644079	<b>Total Kjeldahl Nitrogen</b>	<b>3200</b>		mg/kg dry	88.0	352	10	01/11/08 19:19	ALJ	EPA 351.2	8A14019
	<b>Total Nitrogen as N</b>	<b>3490</b>		mg/kg dry	88.0	352	10	01/11/08 19:19	ALJ	[calc]	[CALC]
NA	<b>% Solids</b>	<b>45.8</b>		%	0.100	0.100	1	01/03/08 15:35	RRP	SW846	8A03028
NA	<b>Total Volatile Solids</b>	<b>40.2</b>		%	0.0000100	0.0000100	1	01/03/08 15:35	RRP	EPA 160.4	8A03028
<b>Metals</b>											
7440-38-2	Arsenic	0.655	J4,U	mg/kg dry	0.655	1.09	1	01/10/08 18:16	BDG	EPA 6010B	8A05007
7440-43-9	Cadmium	0.262	U	mg/kg dry	0.262	1.09	1	01/10/08 18:16	BDG	EPA 6010B	8A05007
7440-50-8	<b>Copper</b>	<b>9.34</b>		mg/kg dry	0.590	1.09	1	01/10/08 18:16	BDG	EPA 6010B	8A05007
7439-92-1	Lead	0.950	U	mg/kg dry	0.950	1.09	1	01/10/08 18:16	BDG	EPA 6010B	8A05007
7439-97-6	Mercury	0.0192	U	mg/kg dry	0.0192	0.0437	1	01/09/08 17:17	BDG	EPA 7471A	8A09009
7439-98-7	<b>Molybdenum</b>	<b>0.612</b>	V,I	mg/kg dry	0.131	1.09	1	01/14/08 13:22	BDG	EPA 6010B	8A05007
7440-02-0	Nickel	1.09	U	mg/kg dry	1.09	1.09	1	01/10/08 18:16	BDG	EPA 6010B	8A05007
7440-09-7	<b>Potassium</b>	<b>2480</b>		mg/kg dry	21.8	54.6	1	01/11/08 18:57	BDG	EPA 6010B	8A05007
7782-49-2	Selenium	0.874	U	mg/kg dry	0.874	1.09	1	01/10/08 18:16	BDG	EPA 6010B	8A05007
7440-66-6	<b>Zinc</b>	<b>33.3</b>	J4	mg/kg dry	2.57	5.46	1	01/14/08 13:22	BDG	EPA 6010B	8A05007
<b>Microbiology</b>											
E761792	<b>Fecal Coliform</b>	<b>87</b>		MPN/g dry	4	4	1	01/08/08 08:45	SXJ	SM 9221E	8A04003
								Prep Date: 01/03/08 12:30			
<b>Organochlorine Pesticides by EPA Method 8081A</b>											
72-54-8	<b>4,4'-DDD</b>	<b>5.46</b>	I	ug/kg dry	0.755	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
72-55-9	4,4'-DDE	0.570	U	ug/kg dry	0.570	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
50-29-3	4,4'-DDT	0.836	U	ug/kg dry	0.836	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
309-00-2	Aldrin	0.404	U	ug/kg dry	0.404	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
319-84-6	alpha-BHC	0.373	U	ug/kg dry	0.373	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
5103-71-9	alpha-Chlordane	0.491	U	ug/kg dry	0.491	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
319-85-7	beta-BHC	0.487	U	ug/kg dry	0.487	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
57-74-9	Chlordane	0.116	U	ug/kg dry	0.116	36.5	1	01/08/08 22:45	SP	EPA 8081A	8A07014
319-86-8	delta-BHC	0.437	U	ug/kg dry	0.437	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
60-57-1	Dieldrin	0.549	U	ug/kg dry	0.549	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
959-98-8	Endosulfan I	0.512	U	ug/kg dry	0.512	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
33213-65-9	Endosulfan II	0.662	U	ug/kg dry	0.662	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
1031-07-8	Endosulfan sulfate	0.802	U	ug/kg dry	0.802	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
72-20-8	Endrin	0.726	U	ug/kg dry	0.726	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
7421-93-4	Endrin aldehyde	0.478	U	ug/kg dry	0.478	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
53494-70-5	Endrin ketone	3.03	J4,U	ug/kg dry	3.03	7.28	1	01/08/08 22:45	SP	EPA 8081A	8A07014
58-89-9	gamma-BHC (Lindane)	0.405	U	ug/kg dry	0.405	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
12789-03-6	gamma-Chlordane	0.553	U	ug/kg dry	0.553	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
76-44-8	Heptachlor	0.474	U	ug/kg dry	0.474	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
1024-57-3	Heptachlor epoxide	0.418	U	ug/kg dry	0.418	3.65	1	01/08/08 22:45	SP	EPA 8081A	8A07014
72-43-5	Methoxychlor	1.82	J4,U	ug/kg dry	1.82	36.5	1	01/08/08 22:45	SP	EPA 8081A	8A07014

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**LABORATORY REPORT**  
**Sample ID: 1 - Lab Number: ORA0025-01 - Matrix: Solid/Soil**

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Organochlorine Pesticides by EPA Method 8081A - Cont.</b>											
8001-35-2	Toxaphene	2.78	U	ug/kg dry	2.78	41.7	1	01/08/08 22:45	SP	EPA 8081A	8A07014
	<i>Surrogate: Decachlorobiphenyl (24-126%)</i>	55 %									
	<i>Surrogate: Tetrachloro-meta-xylene (37-119%)</i>	51 %									
<b>Polychlorinated Biphenyls by EPA Method 8082</b>											
12674-11-2	PCB-1016	8.76	U	ug/kg dry	8.76	36.5	1	01/08/08 13:09	SP	EPA 8082	8A07013
11104-28-2	PCB-1221	5.97	U	ug/kg dry	5.97	36.5	1	01/08/08 13:09	SP	EPA 8082	8A07013
11141-16-5	PCB-1232	7.86	U	ug/kg dry	7.86	36.5	1	01/08/08 13:09	SP	EPA 8082	8A07013
53469-21-9	PCB-1242	5.97	U	ug/kg dry	5.97	36.5	1	01/08/08 13:09	SP	EPA 8082	8A07013
12672-29-6	PCB-1248	6.26	U	ug/kg dry	6.26	36.5	1	01/08/08 13:09	SP	EPA 8082	8A07013
11097-69-1	PCB-1254	9.17	U	ug/kg dry	9.17	36.5	1	01/08/08 13:09	SP	EPA 8082	8A07013
11096-82-5	PCB-1260	7.93	U	ug/kg dry	7.93	36.5	1	01/08/08 13:09	SP	EPA 8082	8A07013
	<i>Surrogate: Decachlorobiphenyl (20-160%)</i>	53 %									
	<i>Surrogate: Tetrachloro-meta-xylene (36-123%)</i>	51 %									
<b>Organophosphorus Pesticides by EPA Method 8141A</b>											
2642-71-9	Azinphos-Ethyl	6.01	U	ug/kg dry	6.01	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
86-50-0	Azinphos-methyl	6.84	J4,U	ug/kg dry	6.84	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
35400-43-2	Bolstar	7.55	U	ug/kg dry	7.55	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
786-19-6	Carbophenothion	3.68	U	ug/kg dry	3.68	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
470-90-6	Chlorfenvinphos	3.90	U	ug/kg dry	3.90	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
2921-88-2	Chlorpyrifos	5.42	U	ug/kg dry	5.42	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
56-72-4	Coumaphos	7.10	J4,U	ug/kg dry	7.10	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
298-03-3	Demeton-o	4.55	U	ug/kg dry	4.55	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
126-75-0	Demeton-s	2.42	U	ug/kg dry	2.42	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
333-41-5	Diazinon	10.0	U	ug/kg dry	10.0	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
62-73-7	Dichlorvos	23.0	U	ug/kg dry	23.0	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
60-51-5	Dimethoate	4.58	J4,U	ug/kg dry	4.58	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
78-34-2	Dioxathion	13.2	J4,U	ug/kg dry	13.2	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
298-04-4	Disulfoton	5.19	U	ug/kg dry	5.19	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
2104-64-5	EPN	3.84	U	ug/kg dry	3.84	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
563-12-2	Ethion	6.45	U	ug/kg dry	6.45	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
13194-48-4	Ethoprop	4.74	U	ug/kg dry	4.74	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
52-85-7	Famphur	7.57	J4,U	ug/kg dry	7.57	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
115-90-2	Fensulfothion	4.35	J4,U	ug/kg dry	4.35	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
55-38-9	Fenthion	15.0	U	ug/kg dry	15.0	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
21609-90-5	Leptophos	4.40	J4,U	ug/kg dry	4.40	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
121-75-5	Malathion	3.67	U	ug/kg dry	3.67	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
150-50-5	Merphos	3.93	U	ug/kg dry	3.93	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
7786-34-7	Mevinphos	5.11	U	ug/kg dry	5.11	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
6923-22-4	Monocrotophos	15.8	J3,U	ug/kg dry	15.8	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
300-76-5	Naled	12.0	J4,U	ug/kg dry	12.0	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
56-38-2	Parathion-ethyl	4.32	U	ug/kg dry	4.32	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
298-00-0	Parathion-methyl	4.84	U	ug/kg dry	4.84	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
298-02-2	Phorate	3.93	J4,U	ug/kg dry	3.93	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001

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**LABORATORY REPORT**  
**Sample ID: 1 - Lab Number: ORA0025-01 - Matrix: Solid/Soil**

CAS #	Analyte	Result	Q	Units	MDL	PQL	Dil Factor	Analyzed Date/Time	By	Method	Batch
<b>Organophosphorus Pesticides by EPA Method 8141A - Cont.</b>											
732-11-6	Phosmet	3.90	J4,U	ug/kg dry	3.90	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
13171-21-6	Phosphamidon	6.59	J3,U	ug/kg dry	6.59	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
299-84-3	Ronnel	7.89	J4,U	ug/kg dry	7.89	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
961-11-5	Stirophos	3.83	J4,U	ug/kg dry	3.83	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
3689-24-5	Sulfotep	5.94	U	ug/kg dry	5.94	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
107-49-3	TEPP	15.2	J3,U	ug/kg dry	15.2	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
13071-79-9	Terbufos	4.42	U	ug/kg dry	4.42	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
34643-46-4	Tokuthion (Prothiofos)	4.15	U	ug/kg dry	4.15	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
327-98-0	Trichloronate	4.52	U	ug/kg dry	4.52	36.5	1	01/15/08 01:13	SP	EPA 8141A	8A11001
	<i>Surrogate: Tributyl phosphate (23-141%)</i>	64 %									
	<i>Surrogate: Triphenyl phosphate (10-160%)</i>	38 %									
<b>Chlorinated Herbicides by EPA Method 8151A</b>											
93-76-5	2,4,5-T	0.0186	U	ug/L	0.0186	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
93-72-1	2,4,5-TP (Silvex)	0.0118	U	ug/L	0.0118	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
94-75-7	2,4-D	0.0495	J4,U	ug/L	0.0495	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
94-82-6	2,4-DB	0.0797	J4,U	ug/L	0.0797	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
51-36-5	3,5-Dichlorobenzoic acid	0.0216	U	ug/L	0.0216	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
100-02-7	4-Nitrophenol	0.199	U	ug/L	0.199	2.50	1	01/10/08 19:22	REM	EPA 8151A	8A07009
50594-66-6	Acifluorfen	0.0301	U	ug/L	0.0301	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
25057-89-0	Bentazon	0.0560	J4,U	ug/L	0.0560	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
133-90-4	Chloramben	0.0307	U	ug/L	0.0307	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
75-99-0	Dalapon	0.353	J4,U	ug/L	0.353	2.50	1	01/10/08 19:22	REM	EPA 8151A	8A07009
2136-79-0	DCPA diacid	0.0126	U	ug/L	0.0126	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
1918-00-9	Dicamba	0.0101	U	ug/L	0.0101	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
120-36-5	Dichloroprop	0.0420	U	ug/L	0.0420	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
88-85-7	Dinoseb	0.0846	U	ug/L	0.0846	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
94-74-6	MCPA	1.65	J4,U	ug/L	1.65	25.0	1	01/10/08 19:22	REM	EPA 8151A	8A07009
93-65-2	MCPA	5.40	U	ug/L	5.40	25.0	1	01/10/08 19:22	REM	EPA 8151A	8A07009
87-86-5	Pentachlorophenol	0.0109	U	ug/L	0.0109	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
1918-02-1	Picloram	0.0342	U	ug/L	0.0342	0.250	1	01/10/08 19:22	REM	EPA 8151A	8A07009
	<i>Surrogate: DCAA (66-153%)</i>	59 %	J1								
<b>Wet Chemistry</b>											
PH	pH	6.53		pH Units	0.100	0.100	1	01/03/08 09:02	CTG	EPA 9045	8A03022

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### SAMPLE EXTRACTION DATA

Parameter	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Method
Chlorinated Herbicides by EPA Method 8151A	ORA0025-01	1,000.0 mL	5.0 mL	01/07/2008	VXK	Default Prep GC-Sem
Organophosphorus Pesticides by EPA Method 8141A	ORA0025-01	30.0 g	1.0 mL	01/11/2008	YGM	EPA 3550B
Polychlorinated Biphenyls by EPA Method 8082	ORA0025-01	30.0 g	10.0 mL	01/07/2008	YGM	EPA 3550B
Organochlorine Pesticides by EPA Method 8081A	ORA0025-01	30.0 g	10.0 mL	01/07/2008	YGM	EPA 3550B

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## PROJECT QUALITY CONTROL DATA

### Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
<b>General Chemistry Parameters</b>					
Phosphorus-Total	0.200	U	mg/kg wet	8A09029	8A09029-BLK1
Moisture	0.100		%	8A03028	8A03028-BLK1
Nitrate/Nitrite as N	0.500	U	mg/kg wet	8A11015	8A11015-BLK1
Total Kjeldahl Nitrogen	4.03	U	mg/kg wet	8A14019	8A14019-BLK1
% Solids	100		%	8A03028	8A03028-BLK1
Total Volatile Solids	0.0000100	U	%	8A03028	8A03028-BLK1
<b>Metals</b>					
Arsenic	0.300	U	mg/kg wet	8A05007	8A05007-BLK1
Cadmium	0.120	U	mg/kg wet	8A05007	8A05007-BLK1
Copper	0.270	U	mg/kg wet	8A05007	8A05007-BLK1
Lead	0.435	U	mg/kg wet	8A05007	8A05007-BLK1
Mercury	0.00880	U	mg/kg wet	8A09009	8A09009-BLK1
Molybdenum	0.107	I	mg/kg wet	8A05007	8A05007-BLK1
Nickel	0.500	U	mg/kg wet	8A05007	8A05007-BLK1
Potassium	10.0	U	mg/kg wet	8A05007	8A05007-BLK1
Selenium	0.400	U	mg/kg wet	8A05007	8A05007-BLK1
Zinc	1.18	U	mg/kg wet	8A05007	8A05007-BLK1
<b>Microbiology</b>					
Fecal Coliform	2	U	MPN/g wet	8A04003	8A04003-BLK1
<b>Organochlorine Pesticides by EPA Method 8081A</b>					
4,4'-DDD	0.346	U	ug/kg wet	8A07014	8A07014-BLK1
4,4'-DDE	0.261	U	ug/kg wet	8A07014	8A07014-BLK1
4,4'-DDT	0.382	U	ug/kg wet	8A07014	8A07014-BLK1
Aldrin	0.185	U	ug/kg wet	8A07014	8A07014-BLK1
alpha-BHC	0.171	U	ug/kg wet	8A07014	8A07014-BLK1
alpha-Chlordane	0.225	U	ug/kg wet	8A07014	8A07014-BLK1
beta-BHC	0.223	U	ug/kg wet	8A07014	8A07014-BLK1
Chlordane	0.0533	U	ug/kg wet	8A07014	8A07014-BLK1
delta-BHC	0.200	U	ug/kg wet	8A07014	8A07014-BLK1
Dieldrin	0.251	U	ug/kg wet	8A07014	8A07014-BLK1
Endosulfan I	0.234	U	ug/kg wet	8A07014	8A07014-BLK1
Endosulfan II	0.303	U	ug/kg wet	8A07014	8A07014-BLK1
Endosulfan sulfate	0.367	U	ug/kg wet	8A07014	8A07014-BLK1
Endrin	0.332	U	ug/kg wet	8A07014	8A07014-BLK1
Endrin aldehyde	0.219	U	ug/kg wet	8A07014	8A07014-BLK1
Endrin ketone	1.39	U	ug/kg wet	8A07014	8A07014-BLK1
gamma-BHC (Lindane)	0.185	U	ug/kg wet	8A07014	8A07014-BLK1
gamma-Chlordane	0.253	U	ug/kg wet	8A07014	8A07014-BLK1
Heptachlor	0.217	U	ug/kg wet	8A07014	8A07014-BLK1
Heptachlor epoxide	0.191	U	ug/kg wet	8A07014	8A07014-BLK1
Methoxychlor	0.831	U	ug/kg wet	8A07014	8A07014-BLK1

Client: C & C PEAT CO, INC.  
 1650 CR470  
 OKAHUMPKA, FL 34762  
 Attn: STEPHEN COOK

Work Order: ORA0025  
 Project: QUARTERLY - POTTING SOIL  
 Project Number: 1st Quarter 2008

Sampled: 01/02/08  
 Received: 01/02/08

## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
<b>Organochlorine Pesticides by EPA Method 8081A</b>					
<i>Surrogate: Decachlorobiphenyl</i>	31.9		ug/kg wet	8A07014	8A07014-BLK1
<i>Surrogate: Tetrachloro-meta-xylene</i>	23.7		ug/kg wet	8A07014	8A07014-BLK1
<b>Polychlorinated Biphenyls by EPA Method 8082</b>					
PCB-1016	4.01	U	ug/kg wet	8A07013	8A07013-BLK1
PCB-1221	2.73	U	ug/kg wet	8A07013	8A07013-BLK1
PCB-1232	3.60	U	ug/kg wet	8A07013	8A07013-BLK1
PCB-1242	2.73	U	ug/kg wet	8A07013	8A07013-BLK1
PCB-1248	2.86	U	ug/kg wet	8A07013	8A07013-BLK1
PCB-1254	4.20	U	ug/kg wet	8A07013	8A07013-BLK1
PCB-1260	3.63	U	ug/kg wet	8A07013	8A07013-BLK1
<i>Surrogate: Decachlorobiphenyl</i>	30.0		ug/kg wet	8A07013	8A07013-BLK1
<i>Surrogate: Tetrachloro-meta-xylene</i>	23.8		ug/kg wet	8A07013	8A07013-BLK1
<b>Organophosphorus Pesticides by EPA Method 8141A</b>					
Azinphos-Ethyl	2.75	U	ug/kg wet	8A11001	8A11001-BLK1
Azinphos-methyl	3.13	U	ug/kg wet	8A11001	8A11001-BLK1
Bolstar	3.46	U	ug/kg wet	8A11001	8A11001-BLK1
Carbophenothion	1.68	U	ug/kg wet	8A11001	8A11001-BLK1
Chlorfenvinphos	1.79	U	ug/kg wet	8A11001	8A11001-BLK1
Chlorpyrifos	2.48	U	ug/kg wet	8A11001	8A11001-BLK1
Coumaphos	3.25	U	ug/kg wet	8A11001	8A11001-BLK1
Diazinon	4.58	U	ug/kg wet	8A11001	8A11001-BLK1
Dichlorvos	10.5	U	ug/kg wet	8A11001	8A11001-BLK1
Dimethoate	2.10	U	ug/kg wet	8A11001	8A11001-BLK1
Dioxathion	6.06	U	ug/kg wet	8A11001	8A11001-BLK1
Disulfoton	2.38	U	ug/kg wet	8A11001	8A11001-BLK1
EPN	1.76	U	ug/kg wet	8A11001	8A11001-BLK1
Ethion	2.95	U	ug/kg wet	8A11001	8A11001-BLK1
Ethoprop	2.17	U	ug/kg wet	8A11001	8A11001-BLK1
Famphur	3.46	U	ug/kg wet	8A11001	8A11001-BLK1
Fensulfothion	1.99	U	ug/kg wet	8A11001	8A11001-BLK1
Fenthion	6.85	U	ug/kg wet	8A11001	8A11001-BLK1
Leptophos	2.02	U	ug/kg wet	8A11001	8A11001-BLK1
Malathion	1.68	U	ug/kg wet	8A11001	8A11001-BLK1
Merphos	1.80	U	ug/kg wet	8A11001	8A11001-BLK1
Mevinphos	2.34	U	ug/kg wet	8A11001	8A11001-BLK1
Monocrotophos	7.23	U	ug/kg wet	8A11001	8A11001-BLK1
Naled	5.48	U	ug/kg wet	8A11001	8A11001-BLK1
Parathion-ethyl	1.98	U	ug/kg wet	8A11001	8A11001-BLK1
Parathion-methyl	2.22	U	ug/kg wet	8A11001	8A11001-BLK1
Phorate	1.80	U	ug/kg wet	8A11001	8A11001-BLK1
Phosmet	1.79	U	ug/kg wet	8A11001	8A11001-BLK1

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 Project Number: 1st Quarter 2008

Sampled: 01/02/08  
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## PROJECT QUALITY CONTROL DATA

### Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number
<b>Organophosphorus Pesticides by EPA Method 8141A</b>					
Phosphamidon	3.02	U	ug/kg wet	8A11001	8A11001-BLK1
Ronnel	3.61	U	ug/kg wet	8A11001	8A11001-BLK1
Stirophos	1.75	U	ug/kg wet	8A11001	8A11001-BLK1
Sulfotep	2.72	U	ug/kg wet	8A11001	8A11001-BLK1
TEPP	6.93	U	ug/kg wet	8A11001	8A11001-BLK1
Terbufos	2.03	U	ug/kg wet	8A11001	8A11001-BLK1
Tokuthion (Prothiofos)	1.90	U	ug/kg wet	8A11001	8A11001-BLK1
Trichloronate	2.07	U	ug/kg wet	8A11001	8A11001-BLK1
Surrogate: Tributyl phosphate	105		ug/kg wet	8A11001	8A11001-BLK1
Surrogate: Triphenyl phosphate	150		ug/kg wet	8A11001	8A11001-BLK1
<b>Chlorinated Herbicides by EPA Method 8151A</b>					
2,4,5-T	0.0186	U	ug/L	8A07009	8A07009-BLK1
2,4,5-TP (Silvex)	0.0118	U	ug/L	8A07009	8A07009-BLK1
2,4-D	0.0495	U	ug/L	8A07009	8A07009-BLK1
2,4-DB	0.0797	U	ug/L	8A07009	8A07009-BLK1
3,5-Dichlorobenzoic acid	0.0216	U	ug/L	8A07009	8A07009-BLK1
4-Nitrophenol	0.199	U	ug/L	8A07009	8A07009-BLK1
Acifluorfen	0.0301	U	ug/L	8A07009	8A07009-BLK1
Bentazon	0.0560	U	ug/L	8A07009	8A07009-BLK1
Chloramben	0.0307	U	ug/L	8A07009	8A07009-BLK1
Dalapon	0.353	U	ug/L	8A07009	8A07009-BLK1
DCPA diacid	0.0126	U	ug/L	8A07009	8A07009-BLK1
Dicamba	0.0101	U	ug/L	8A07009	8A07009-BLK1
Dichloroprop	0.0420	U	ug/L	8A07009	8A07009-BLK1
Dinoseb	0.0846	U	ug/L	8A07009	8A07009-BLK1
MCPA	1.65	U	ug/L	8A07009	8A07009-BLK1
MCPP	5.40	U	ug/L	8A07009	8A07009-BLK1
Pentachlorophenol	0.0109	U	ug/L	8A07009	8A07009-BLK1
Picloram	0.0342	U	ug/L	8A07009	8A07009-BLK1
Surrogate: DCAA	1.78	J1	ug/L	8A07009	8A07009-BLK1
<b>Wet Chemistry</b>					
pH	4.55		pH Units	8A03022	8A03022-BLK1



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### PROJECT QUALITY CONTROL DATA

#### Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
<b>General Chemistry Parameters</b>								
Moisture	54.2	57.6		%	6	15.9	8A03028	ORA0025-01
% Solids	45.8	42.4		%	8	20	8A03028	ORA0025-01
Total Volatile Solids	40.2	38.6		%	4	20	8A03028	ORA0025-01
<b>Wet Chemistry</b>								
pH	6.53	6.62		pH Units	1	6.8	8A03022	ORA0025-01

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**PROJECT QUALITY CONTROL DATA**  
**LCS**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
<b>General Chemistry Parameters</b>							
Phosphorus-Total	100	99.9		mg/kg wet	100	90 - 110	8A09029
Moisture		975		%		90 - 110	8A03028
Nitrate/Nitrite as N	25.0	26.2		mg/kg wet	105	90 - 110	8A11015
Total Kjeldahl Nitrogen	100	98.1		mg/kg wet	98	90 - 110	8A14019
% Solids	1000	975		%	98	90 - 110	8A03028
Total Volatile Solids	0.100	0.0975		%	97	90 - 110	8A03028
<b>Metals</b>							
Arsenic	20.0	18.4		mg/kg wet	92	80 - 120	8A05007
Cadmium	20.0	18.5		mg/kg wet	92	80 - 120	8A05007
Copper	20.0	17.8		mg/kg wet	89	80 - 120	8A05007
Lead	20.0	18.1		mg/kg wet	91	80 - 120	8A05007
Mercury	0.200	0.200		mg/kg wet	100	80 - 120	8A09009
Molybdenum	20.0	18.5		mg/kg wet	92	80 - 120	8A05007
Nickel	20.0	18.1		mg/kg wet	90	80 - 120	8A05007
Potassium	500	452		mg/kg wet	90	80 - 120	8A05007
Selenium	20.0	18.0		mg/kg wet	90	80 - 120	8A05007
Zinc	20.0	18.9		mg/kg wet	94	80 - 120	8A05007
<b>Organochlorine Pesticides by EPA Method 8081A</b>							
4,4'-DDD	33.3	30.7		ug/kg wet	92	76 - 121	8A07014
4,4'-DDE	33.3	28.7		ug/kg wet	86	75 - 120	8A07014
4,4'-DDT	33.3	41.2		ug/kg wet	124	68 - 127	8A07014
Aldrin	33.3	27.7		ug/kg wet	83	68 - 116	8A07014
alpha-BHC	33.3	25.6		ug/kg wet	77	74 - 117	8A07014
alpha-Chlordane	33.3	28.1		ug/kg wet	84	68 - 114	8A07014
beta-BHC	33.3	30.9		ug/kg wet	93	70 - 123	8A07014
Chlordane		0.0533		ug/kg wet		50 - 130	8A07014
delta-BHC	33.3	23.0		ug/kg wet	69	53 - 104	8A07014
Dieldrin	33.3	29.6		ug/kg wet	89	68 - 130	8A07014
Endosulfan I	33.3	29.7		ug/kg wet	89	68 - 119	8A07014
Endosulfan II	33.3	30.7		ug/kg wet	92	68 - 121	8A07014
Endosulfan sulfate	33.3	29.9		ug/kg wet	90	62 - 123	8A07014
Endrin	33.3	30.3		ug/kg wet	91	64 - 133	8A07014
Endrin aldehyde	33.3	27.9		ug/kg wet	84	55 - 104	8A07014
Endrin ketone	33.3	37.8		ug/kg wet	114	66 - 122	8A07014
gamma-BHC (Lindane)	33.3	30.5		ug/kg wet	92	69 - 125	8A07014
gamma-Chlordane	33.3	29.5		ug/kg wet	89	71 - 124	8A07014
Heptachlor	33.3	35.9		ug/kg wet	108	70 - 130	8A07014
Heptachlor epoxide	33.3	31.6		ug/kg wet	95	68 - 119	8A07014
Methoxychlor	33.3	42.3		ug/kg wet	127	42 - 150	8A07014

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 Project Number: 1st Quarter 2008

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**PROJECT QUALITY CONTROL DATA**  
**LCS - Cont.**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
<b>Organochlorine Pesticides by EPA Method 8081A</b>							
Surrogate: Decachlorobiphenyl	33.3	34.0		ug/kg wet	102	24 - 126	8A07014
Surrogate: Tetrachloro-meta-xylene	33.3	24.2		ug/kg wet	73	37 - 119	8A07014
<b>Polychlorinated Biphenyls by EPA Method 8082</b>							
PCB-1016	333	284		ug/kg wet	85	78 - 120	8A07013
PCB-1221		2.73		ug/kg wet		50 - 130	8A07013
PCB-1232		3.60		ug/kg wet		50 - 130	8A07013
PCB-1242		2.73		ug/kg wet		50 - 130	8A07013
PCB-1248		2.86		ug/kg wet		50 - 130	8A07013
PCB-1254		4.20		ug/kg wet		50 - 130	8A07013
PCB-1260	333	303		ug/kg wet	91	75 - 126	8A07013
Surrogate: Decachlorobiphenyl	33.3	29.6		ug/kg wet	89	20 - 160	8A07013
Surrogate: Tetrachloro-meta-xylene	33.3	25.2		ug/kg wet	76	36 - 123	8A07013
<b>Organophosphorus Pesticides by EPA Method 8141A</b>							
Azinphos-Ethyl	167	157		ug/kg wet	94	53 - 159	8A11001
Azinphos-methyl	167	174		ug/kg wet	105	51 - 145	8A11001
Bolstar	167	146		ug/kg wet	87	59 - 128	8A11001
Carbophenothion	167	150		ug/kg wet	90	55 - 149	8A11001
Chlorfenvinphos	167	202		ug/kg wet	121	52 - 134	8A11001
Chlorpyrifos	167	155		ug/kg wet	93	38 - 112	8A11001
Coumaphos	167	179		ug/kg wet	107	55 - 154	8A11001
Diazinon	167	159		ug/kg wet	95	38 - 135	8A11001
Dichlorvos	167	181		ug/kg wet	108	38 - 126	8A11001
Dimethoate	167	186		ug/kg wet	112	50 - 136	8A11001
Dioxathion	167	67.3		ug/kg wet	40	26 - 140	8A11001
Disulfoton	167	137		ug/kg wet	82	36 - 119	8A11001
EPN	167	152		ug/kg wet	91	42 - 145	8A11001
Ethion	167	193		ug/kg wet	116	54 - 128	8A11001
Ethoprop	167	164		ug/kg wet	98	52 - 129	8A11001
Famphur	167	175		ug/kg wet	105	37 - 161	8A11001
Fensulfothion	167	168		ug/kg wet	101	36 - 138	8A11001
Fenthion	167	153		ug/kg wet	92	52 - 129	8A11001
Leptophos	167	167		ug/kg wet	100	46 - 156	8A11001
Malathion	167	159		ug/kg wet	96	53 - 131	8A11001
Merphos	167	263		ug/kg wet	158	70 - 226	8A11001
Mevinphos	167	113		ug/kg wet	68	38 - 110	8A11001
Monocrotophos	167	226	J3	ug/kg wet	136	43 - 123	8A11001
Naled	167	208		ug/kg wet	125	10 - 138	8A11001
Parathion-ethyl		159		ug/kg wet		42 - 132	8A11001
Parathion-methyl	167	175		ug/kg wet	105	38 - 149	8A11001

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**PROJECT QUALITY CONTROL DATA**  
**LCS - Cont.**

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Q.C. Batch
<b>Organophosphorus Pesticides by EPA Method 8141A</b>							
Phorate	167	208		ug/kg wet	125	40 - 126	8A11001
Phosmet	167	158		ug/kg wet	95	59 - 145	8A11001
Phosphamidon	167	282	J3	ug/kg wet	169	39 - 139	8A11001
Ronnel	167	215		ug/kg wet	129	47 - 137	8A11001
Stirophos	167	168		ug/kg wet	101	44 - 150	8A11001
Sulfotep	167	156		ug/kg wet	94	45 - 119	8A11001
TEPP	167	184	J3	ug/kg wet	111	10 - 93	8A11001
Terbufos	167	159		ug/kg wet	95	42 - 134	8A11001
Tokuthion (Prothiofos)	167	217		ug/kg wet	130	56 - 132	8A11001
Trichloronate	167	159		ug/kg wet	96	54 - 128	8A11001
Surrogate: Tributyl phosphate	167	158		ug/kg wet	95	23 - 141	8A11001
Surrogate: Triphenyl phosphate	167	150		ug/kg wet	90	10 - 160	8A11001
<b>Chlorinated Herbicides by EPA Method 8151A</b>							
2,4,5-T	1.00	1.28		ug/L	128	85 - 137	8A07009
2,4,5-TP (Silvex)	1.00	1.16		ug/L	116	77 - 130	8A07009
2,4-D	1.00	1.18		ug/L	118	71 - 144	8A07009
2,4-DB	1.00	1.21		ug/L	121	57 - 154	8A07009
3,5-Dichlorobenzoic acid	1.00	1.13		ug/L	113	79 - 139	8A07009
4-Nitrophenol	5.00	0.670		ug/L	13	10 - 171	8A07009
Acifluorfen	1.00	1.23		ug/L	123	74 - 168	8A07009
Bentazon	1.00	1.10		ug/L	110	53 - 144	8A07009
Chloramben	1.00	1.07		ug/L	107	10 - 162	8A07009
Dalapon	5.00	4.40		ug/L	88	61 - 128	8A07009
DCPA diacid		0.376		ug/L		43 - 117	8A07009
Dicamba	1.00	1.11		ug/L	111	76 - 144	8A07009
Dichloroprop	1.00	1.26		ug/L	126	46 - 168	8A07009
Dinoseb	1.00	1.07		ug/L	107	39 - 115	8A07009
MCPA	100	107		ug/L	107	75 - 143	8A07009
MCPP	100	98.0		ug/L	98	65 - 153	8A07009
Pentachlorophenol	1.00	0.965		ug/L	96	79 - 119	8A07009
Picloram	1.00	1.27		ug/L	127	64 - 156	8A07009
Surrogate: DCAA	5.00	5.58		ug/L	112	66 - 153	8A07009
<b>Wet Chemistry</b>							
pH	6.00	6.02		pH Units	100	95 - 105	8A03022

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## PROJECT QUALITY CONTROL DATA Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
<b>General Chemistry Parameters</b>									
Phosphorus-Total	1070	909	J4,	mg/kg dry	218	-72	86.6 - 110	8A09029	ORA0025-01
Nitrate/Nitrite as N	287	347	J4	mg/kg dry	54.6	110	90 - 110	8A11015	ORA0025-01
Total Kjeldahl Nitrogen	11900	7170	MHA	mg/kg dry	116	-4040	90 - 110	8A14019	OQL0378-01
<b>Metals</b>									
Arsenic	<0.655	32.5	J4	mg/kg dry	43.7	74	75 - 125	8A05007	ORA0025-01
Cadmium	<0.262	36.7		mg/kg dry	43.7	84	75 - 125	8A05007	ORA0025-01
Copper	9.34	45.8		mg/kg dry	43.7	83	75 - 125	8A05007	ORA0025-01
Lead	<0.950	36.1		mg/kg dry	43.7	83	75 - 125	8A05007	ORA0025-01
Mercury	<0.00955	0.234		mg/kg dry	0.217	108	80 - 120	8A09009	ORA0098-03
Molybdenum	0.612	37.0		mg/kg dry	43.7	83	75 - 125	8A05007	ORA0025-01
Nickel	<1.09	36.7		mg/kg dry	43.7	84	75 - 125	8A05007	ORA0025-01
Potassium	2480	3430		mg/kg dry	1090	87	75 - 125	8A05007	ORA0025-01
Selenium	<0.874	38.0		mg/kg dry	43.7	87	75 - 125	8A05007	ORA0025-01
Zinc	33.3	66.2		mg/kg dry	43.7	75	75 - 125	8A05007	ORA0025-01
<b>Organochlorine Pesticides by EPA Method 8081A</b>									
4,4'-DDD	5.46	65.7		ug/kg dry	72.8	83	39 - 140	8A07014	ORA0025-01
4,4'-DDE	<0.570	52.5		ug/kg dry	72.8	72	52 - 124	8A07014	ORA0025-01
4,4'-DDT	<0.836	101		ug/kg dry	72.8	139	44 - 144	8A07014	ORA0025-01
Aldrin	<0.404	53.5		ug/kg dry	72.8	73	38 - 117	8A07014	ORA0025-01
alpha-BHC	<0.373	58.6		ug/kg dry	72.8	80	19 - 135	8A07014	ORA0025-01
alpha-Chlordane	<0.491	55.9		ug/kg dry	72.8	77	37 - 127	8A07014	ORA0025-01
beta-BHC	<0.487	67.4		ug/kg dry	72.8	93	36 - 125	8A07014	ORA0025-01
delta-BHC	<0.437	49.7		ug/kg dry	72.8	68	21 - 136	8A07014	ORA0025-01
Dieldrin	<0.549	63.1		ug/kg dry	72.8	87	38 - 137	8A07014	ORA0025-01
Endosulfan I	<0.512	67.7		ug/kg dry	72.8	93	42 - 126	8A07014	ORA0025-01
Endosulfan II	<0.662	70.2		ug/kg dry	72.8	96	37 - 135	8A07014	ORA0025-01
Endosulfan sulfate	<0.802	78.0		ug/kg dry	72.8	107	22 - 134	8A07014	ORA0025-01
Endrin	<0.726	70.7		ug/kg dry	72.8	97	48 - 134	8A07014	ORA0025-01
Endrin aldehyde	<0.478	65.9		ug/kg dry	72.8	90	10 - 126	8A07014	ORA0025-01
Endrin ketone	<3.03	100	J4	ug/kg dry	72.8	137	44 - 127	8A07014	ORA0025-01
gamma-BHC (Lindane)	<0.405	69.8		ug/kg dry	72.8	96	21 - 136	8A07014	ORA0025-01
gamma-Chlordane	<0.553	59.6		ug/kg dry	72.8	82	39 - 121	8A07014	ORA0025-01
Heptachlor	<0.474	74.7		ug/kg dry	72.8	103	23 - 134	8A07014	ORA0025-01
Heptachlor epoxide	<0.418	65.0		ug/kg dry	72.8	89	38 - 131	8A07014	ORA0025-01
Methoxychlor	<1.82	445	J4	ug/kg dry	72.8	611	42 - 150	8A07014	ORA0025-01
Surrogate: Decachlorobiphenyl		58.4		ug/kg dry	72.8	80	24 - 126	8A07014	ORA0025-01
Surrogate: Tetrachloro-meta-xylene		43.3		ug/kg dry	72.8	59	37 - 119	8A07014	ORA0025-01
<b>Polychlorinated Biphenyls by EPA Method 8082</b>									
PCB-1016	<8.76	509		ug/kg dry	728	70	43 - 147	8A07013	ORA0025-01

Client: C & C PEAT CO, INC.  
 1650 CR470  
 OKAHUMPKA, FL 34762  
 Attn: STEPHEN COOK

Work Order: ORA0025  
 Project: QUARTERLY - POTTING SOIL  
 Project Number: 1st Quarter 2008

Sampled: 01/02/08  
 Received: 01/02/08

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike - Cont.**

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
<b>Polychlorinated Biphenyls by EPA Method 8082</b>									
PCB-1260	<7.93	636		ug/kg dry	728	87	39 - 142	8A07013	ORA0025-01
Surrogate: Decachlorobiphenyl		45.7		ug/kg dry	72.8	63	20 - 160	8A07013	ORA0025-01
Surrogate: Tetrachloro-meta-xylene		43.2		ug/kg dry	72.8	59	36 - 123	8A07013	ORA0025-01
<b>Organophosphorus Pesticides by EPA Method 8141A</b>									
Azinphos-Ethyl	<6.01	107		ug/kg dry	364	29	28 - 185	8A11001	ORA0025-01
Azinphos-methyl	<6.84	105	J4	ug/kg dry	364	29	30 - 178	8A11001	ORA0025-01
Bolstar	<7.55	200		ug/kg dry	364	55	27 - 170	8A11001	ORA0025-01
Carbophenothion	<3.68	194		ug/kg dry	364	53	42 - 154	8A11001	ORA0025-01
Chlorfenvinphos	<3.90	215		ug/kg dry	364	59	25 - 150	8A11001	ORA0025-01
Chlorpyrifos	<5.42	235		ug/kg dry	364	64	48 - 125	8A11001	ORA0025-01
Coumaphos	<7.10	267		ug/kg dry	364	73	44 - 180	8A11001	ORA0025-01
Diazinon	<10.0	295		ug/kg dry	364	81	36 - 145	8A11001	ORA0025-01
Dichlorvos	<23.0	342		ug/kg dry	364	94	38 - 126	8A11001	ORA0025-01
Dimethoate	<4.58	259		ug/kg dry	364	71	20 - 153	8A11001	ORA0025-01
Dioxathion	<13.2	98.3		ug/kg dry	364	27	26 - 140	8A11001	ORA0025-01
Disulfoton	<5.19	226		ug/kg dry	364	62	36 - 119	8A11001	ORA0025-01
EPN	<3.84	145		ug/kg dry	364	40	21 - 163	8A11001	ORA0025-01
Ethion	<6.45	226		ug/kg dry	364	62	47 - 148	8A11001	ORA0025-01
Ethoprop	<4.74	277		ug/kg dry	364	76	39 - 126	8A11001	ORA0025-01
Famphur	<7.57	149		ug/kg dry	364	41	37 - 161	8A11001	ORA0025-01
Fensulfothion	<4.35	111		ug/kg dry	364	30	10 - 141	8A11001	ORA0025-01
Fenthion	<15.0	224		ug/kg dry	364	61	35 - 154	8A11001	ORA0025-01
Leptophos	<4.40	129		ug/kg dry	364	35	27 - 176	8A11001	ORA0025-01
Malathion	<3.67	232		ug/kg dry	364	64	50 - 130	8A11001	ORA0025-01
Merphos	<3.93	445		ug/kg dry	364	122	42 - 235	8A11001	ORA0025-01
Mevinphos	<5.11	192		ug/kg dry	364	53	10 - 107	8A11001	ORA0025-01
Monocrotophos	<15.8	424		ug/kg dry	364	116	10 - 150	8A11001	ORA0025-01
Naled	<12.0	209		ug/kg dry	364	57	10 - 162	8A11001	ORA0025-01
Parathion-ethyl	<4.32	226		ug/kg dry			43 - 141	8A11001	ORA0025-01
Parathion-methyl	<4.84	240		ug/kg dry	364	66	24 - 156	8A11001	ORA0025-01
Phorate	<3.93	506	J4	ug/kg dry	364	139	39 - 132	8A11001	ORA0025-01
Phosmet	<3.90	195		ug/kg dry	364	54	39 - 173	8A11001	ORA0025-01
Phosphamidon	<6.59	444		ug/kg dry	364	122	19 - 143	8A11001	ORA0025-01
Ronnel	<7.89	444		ug/kg dry	364	122	27 - 155	8A11001	ORA0025-01
Stirophos	<3.83	169		ug/kg dry	364	46	36 - 156	8A11001	ORA0025-01
Sulfotep	<5.94	271		ug/kg dry	364	74	41 - 122	8A11001	ORA0025-01
TEPP	<15.2	157		ug/kg dry	364	43	10 - 127	8A11001	ORA0025-01
Terbufos	<4.42	267		ug/kg dry	364	73	42 - 134	8A11001	ORA0025-01
Tokuthion (Prothiofos)	<4.15	427		ug/kg dry	364	117	40 - 152	8A11001	ORA0025-01

Client: C & C PEAT CO, INC.  
 1650 CR470  
 OKAHUMPKA, FL 34762  
 Attn: STEPHEN COOK

Work Order: ORA0025  
 Project: QUARTERLY - POTTING SOIL  
 Project Number: 1st Quarter 2008

Sampled: 01/02/08  
 Received: 01/02/08

### PROJECT QUALITY CONTROL DATA

#### Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked
<b>Organophosphorus Pesticides by EPA Method 8141A</b>									
Trichloronate	<4.52	240		ug/kg dry	364	66	41 - 144	8A11001	ORA0025-01
Surrogate: Tributyl phosphate		243		ug/kg dry	364	67	23 - 141	8A11001	ORA0025-01
Surrogate: Triphenyl phosphate		144		ug/kg dry	364	40	10 - 160	8A11001	ORA0025-01
<b>Chlorinated Herbicides by EPA Method 8151A</b>									
2,4,5-T	<0.0186	1.15		ug/L	1.00	115	34 - 151	8A07009	ORA0025-01
2,4,5-TP (Silvex)	<0.0118	0.910		ug/L	1.00	91	41 - 161	8A07009	ORA0025-01
2,4-D	<0.0495	2.17	J4	ug/L	1.00	217	17 - 195	8A07009	ORA0025-01
2,4-DB	<0.0797	2.28	J4	ug/L	1.00	228	48 - 184	8A07009	ORA0025-01
3,5-Dichlorobenzoic acid	<0.0216	1.18		ug/L	1.00	118	53 - 151	8A07009	ORA0025-01
4-Nitrophenol	<0.199	3.46		ug/L	5.00	69	10 - 171	8A07009	ORA0025-01
Acifluorfen	<0.0301	0.907		ug/L	1.00	91	74 - 168	8A07009	ORA0025-01
Bentazon	<0.0560	2.29	J4	ug/L	1.00	229	31 - 166	8A07009	ORA0025-01
Chloramben	<0.0307	0.571		ug/L	1.00	57	10 - 162	8A07009	ORA0025-01
Dalapon	<0.353	1.44	J4,	ug/L	5.00	29	40 - 160	8A07009	ORA0025-01
DCPA diacid	<0.0126	0.598		ug/L			29 - 161	8A07009	ORA0025-01
Dicamba	<0.0101	0.964		ug/L	1.00	96	36 - 168	8A07009	ORA0025-01
Dichloroprop	<0.0420	0.964		ug/L	1.00	96	46 - 168	8A07009	ORA0025-01
Dinoseb	<0.0846	0.804		ug/L	1.00	80	10 - 130	8A07009	ORA0025-01
MCPA	<1.65	158	J4	ug/L	100	158	72 - 152	8A07009	ORA0025-01
MCPP	<5.40	89.5		ug/L	100	90	21 - 151	8A07009	ORA0025-01
Pentachlorophenol	<0.0109	0.593		ug/L	1.00	59	14 - 173	8A07009	ORA0025-01
Picloram	<0.0342	1.38		ug/L	1.00	138	48 - 171	8A07009	ORA0025-01
Surrogate: DCAA		3.82		ug/L	5.00	76	66 - 153	8A07009	ORA0025-01

Client: C & C PEAT CO, INC.  
1650 CR470  
OKAHUMPKA, FL 34762  
Attn: STEPHEN COOK

Work Order: ORA0025  
Project: QUARTERLY - POTTING SOIL  
Project Number: 1st Quarter 2008

Sampled: 01/02/08  
Received: 01/02/08

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
<b>General Chemistry Parameters</b>										
Phosphorus-Total	1070	1480	J4,	mg/kg dry	218	189	48	20	8A09029	ORA0025-01
Nitrate/Nitrite as N	287	341		mg/kg dry	54.6	100	2	20	8A11015	ORA0025-01
Total Kjeldahl Nitrogen	11900	19000	MHA	mg/kg dry	116	6120	90	20	8A14019	OQL0378-01
<b>Metals</b>										
Arsenic	<0.655	32.2	J4	mg/kg dry	43.7	74	1	20	8A05007	ORA0025-01
Cadmium	<0.262	36.7		mg/kg dry	43.7	84	0.03	20	8A05007	ORA0025-01
Copper	9.34	44.6		mg/kg dry	43.7	81	3	20	8A05007	ORA0025-01
Lead	<0.950	36.7		mg/kg dry	43.7	84	2	20	8A05007	ORA0025-01
Mercury	<0.00955	0.218		mg/kg dry	0.217	100	7	20	8A09009	ORA0098-03
Molybdenum	0.612	37.2		mg/kg dry	43.7	84	0.6	20	8A05007	ORA0025-01
Nickel	<1.09	36.9		mg/kg dry	43.7	84	0.7	20	8A05007	ORA0025-01
Potassium	2480	3470		mg/kg dry	1090	90	1	20	8A05007	ORA0025-01
Selenium	<0.874	39.3		mg/kg dry	43.7	90	3	20	8A05007	ORA0025-01
Zinc	33.3	63.5	J4	mg/kg dry	43.7	69	4	20	8A05007	ORA0025-01
<b>Organophosphorus Pesticides by EPA Method 8141A</b>										
Azinphos-Ethyl	<6.01	121		ug/kg dry	364	33	12	20	8A11001	ORA0025-01
Azinphos-methyl	<6.84	51.7	J4	ug/kg dry	364	14	68	20	8A11001	ORA0025-01
Bolstar	<7.55	240		ug/kg dry	364	66	18	20	8A11001	ORA0025-01
Carbophenothion	<3.68	217		ug/kg dry	364	60	11	20	8A11001	ORA0025-01
Chlorfenvinphos	<3.90	237		ug/kg dry	364	65	10	20	8A11001	ORA0025-01
Chlorpyrifos	<5.42	229		ug/kg dry	364	63	2	20	8A11001	ORA0025-01
Coumaphos	<7.10	186	J4	ug/kg dry	364	51	36	20	8A11001	ORA0025-01
Diazinon	<10.0	260		ug/kg dry	364	71	13	20	8A11001	ORA0025-01
Dichlorvos	<23.0	348		ug/kg dry	364	96	2	20	8A11001	ORA0025-01
Dimethoate	<4.58	114	J4	ug/kg dry	364	31	78	20	8A11001	ORA0025-01
Dioxathion	<13.2	765	J4	ug/kg dry	364	210	154	20	8A11001	ORA0025-01
Disulfoton	<5.19	222		ug/kg dry	364	61	2	20	8A11001	ORA0025-01
EPN	<3.84	135		ug/kg dry	364	37	7	20	8A11001	ORA0025-01
Ethion	<6.45	224		ug/kg dry	364	61	1	20	8A11001	ORA0025-01
Ethoprop	<4.74	279		ug/kg dry	364	77	0.5	20	8A11001	ORA0025-01
Famphur	<7.57	95.4	J4	ug/kg dry	364	26	44	60	8A11001	ORA0025-01
Fensulfothion	<4.35	233	J4	ug/kg dry	364	64	71	20	8A11001	ORA0025-01
Fenthion	<15.0	212		ug/kg dry	364	58	5	20	8A11001	ORA0025-01
Leptophos	<4.40	78.7	J4	ug/kg dry	364	22	48	20	8A11001	ORA0025-01
Malathion	<3.67	216		ug/kg dry	364	59	7	20	8A11001	ORA0025-01
Merphos	<3.93	415		ug/kg dry	364	114	7	20	8A11001	ORA0025-01
Mevinphos	<5.11	162		ug/kg dry	364	44	17	20	8A11001	ORA0025-01
Monocrotophos	<15.8	15.8	J3,	ug/kg dry	364			20	8A11001	ORA0025-01
Naled	<12.0	101	J4	ug/kg dry	364	28	69	20	8A11001	ORA0025-01



Client: C & C PEAT CO, INC.  
 1650 CR470  
 OKAHUMPKA, FL 34762  
 Attn: STEPHEN COOK

Work Order: ORA0025  
 Project: QUARTERLY - POTTING SOIL  
 Project Number: 1st Quarter 2008

Sampled: 01/02/08  
 Received: 01/02/08

**PROJECT QUALITY CONTROL DATA**  
**Matrix Spike Dup - Cont.**

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	RPD	RPD Limit	Q.C. Batch	Sample Duplicated
<b>Organophosphorus Pesticides by EPA Method 8141A</b>										
Parathion-ethyl	<4.32	219		ug/kg dry			3	20	8A11001	ORA0025-01
Parathion-methyl	<4.84	206		ug/kg dry	364	57	15	20	8A11001	ORA0025-01
Phorate	<3.93	474		ug/kg dry	364	130	7	20	8A11001	ORA0025-01
Phosmet	<3.90	32.0	J4,	ug/kg dry	364	9	144	20	8A11001	ORA0025-01
Phosphamidon	<6.59	6.59	J3,	ug/kg dry	364			20	8A11001	ORA0025-01
Ronnel	<7.89	330	J4	ug/kg dry	364	91	30	20	8A11001	ORA0025-01
Stirophos	<3.83	133	J4	ug/kg dry	364	36	24	20	8A11001	ORA0025-01
Sulfotep	<5.94	277		ug/kg dry	364	76	2	20	8A11001	ORA0025-01
TEPP	<15.2	43.0	J3	ug/kg dry	364	12	114	20	8A11001	ORA0025-01
Terbufos	<4.42	272		ug/kg dry	364	75	2	20	8A11001	ORA0025-01
Tokuthion (Prothiofos)	<4.15	415		ug/kg dry	364	114	3	20	8A11001	ORA0025-01
Trichloronate	<4.52	245		ug/kg dry	364	67	2	20	8A11001	ORA0025-01
Surrogate: Tributyl phosphate		236		ug/kg dry	364	65			8A11001	ORA0025-01
Surrogate: Triphenyl phosphate		133		ug/kg dry	364	37			8A11001	ORA0025-01

**Metals**

Client: C & C PEAT CO, INC.  
 1650 CR470  
 OKAHUMPKA, FL 34762  
 Attn: STEPHEN COOK

Work Order: ORA0025  
 Project: QUARTERLY - POTTING SOIL  
 Project Number: 1st Quarter 2008

Sampled: 01/02/08  
 Received: 01/02/08

### CERTIFICATION SUMMARY

#### TestAmerica Orlando

Method	Matrix	Nelac	Florida
[calc]	Solid/Soil		
EPA 160.3	Solid/Soil		
EPA 160.4	Solid/Soil		
EPA 351.2	Solid/Soil		
EPA 353.2	Solid/Soil		
EPA 365.4	Solid/Soil		
EPA 6010B	Solid/Soil	X	X
EPA 7471A	Solid/Soil	X	X
EPA 8081A	Solid/Soil	X	X
EPA 8082	Solid/Soil	X	X
EPA 8141A	Solid/Soil	X	X
EPA 8151A	Solid/Soil	X	X
EPA 9045	Solid/Soil	X	X
SM 9221E	Solid/Soil	X	X
SW846	Solid/Soil		

### DATA QUALIFIERS AND DEFINITIONS

- I** Analyte detected at a level less than the reporting Limit (RL) and greater than or equal to the Method Detection Limit (MDL). Concentrations in this range are estimated.
- J1** Surrogate recovery limits have been exceeded.
- J3** The reported value failed to meet the established quality control criteria for either precision and/or accuracy.
- J4** The sample matrix interfered with the ability to make an accurate determination.
- MHA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- U** The compound was analyzed for but not detected
- V** The analyte was detected in both the sample and the associated method blank.

### ADDITIONAL COMMENTS

When insufficient sample volume is received for Matrix Spike and Matrix Spike Duplicate, Laboratory Control Spike and Laboratory Control Spike Duplicate data is used for batch QC.

Results are reported on a wet weight basis unless otherwise noted.

# TestAmerica

ANALYTICAL TESTING CORPORATION

4310 East Anderson Road \* Orlando, FL 32812 \* 407-851-2560 \* Fax: 407-856-0886 \* 800-851-

Client: C & C PEAT CO, INC.

Project: ORA0025

Shipped By: Walk-in

Tracking Number:

Cooler Received On: 01/02/08 15:04

And Opened On (Date/time): 1/2 15:06

Received By: Jessica Batura

Logged in by: Jessica Batura

Were custody seals on the outside of cooler? YES \_\_\_ NO  If Yes # \_\_\_ Location \_\_\_

Were custody seals intact? YES \_\_\_ NO \_\_\_ N/A  (no seals present)

Chain of Custody Complete? YES  NO \_\_\_

Discrepancy Comments:

Cooler Temperature When Opened: 20.90 Degrees Celsius

Temperature Blank Included: YES  NO \_\_\_

Packing Material: Bubblewrap  NONE \_\_\_ Other plastic

Received on Ice: YES  NO \_\_\_ Other: \_\_\_ Total # Of Containers: 3 # Vials \_\_\_

Any Bottles Broken? YES \_\_\_ NO  If Yes Which One(s)? \_\_\_

Any Missing Samples? YES \_\_\_ NO  If Yes Which One(s)? \_\_\_

pH Levels: H2SO4 <=2? \_\_\_ HNO3 <=2? \_\_\_ HCL <=2? \_\_\_ NaOH >=10? \_\_\_

# Of Containers Unpreserved between 6 and 8? 3

Any Air Bubbles in VOA Vials? YES \_\_\_ NO \_\_\_ N/A  (no VOA vials received)

Was there enough sample shipped in each container? YES  NO \_\_\_

Correct Preservatives Used? YES  NO \_\_\_ If No, see comments:

Project Manager: Holli Raffington

Corrective Actions Taken

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# TestAmerica

INCORPORATED

Orlando Division  
4310 East Anderson Dr.  
Orlando, FL 32812

Phone: 407/851-2560  
Toll Free: 800/851-2560  
Fax: 407/856-0886

To assist us in using the proper analytical methods, is this work being conducted for regulatory purposes?  
Compliance Monitoring?

YES NO

DR ADDS

Client Name: **C & C PEAT**

Address: **9200 EDGEWATER DRIVE**

City/State/Zip: **CLERMONT, FL 34711**

Project Manager: **STEPHEN COOK**

Telephone Number: **325-429-5706**

Sampler Name: (Print) *Stephen Cook*

Sampler Signature: *[Signature]*

Project Name:

Project #:

Site Location:

Report To:

Invoice To:

P. O. #

Quarterly - Potting Soil

1st 2nd 3rd 4th (circle one) Quarter

State: FL

Stephen Cook

Stephen Cook

Sample ID / Description	Date Sampled	Time Sampled (Military Time)	No. of Containers	Grab	Composite	Field Filtered	Preservative						Matrix					8081, 8082, 8141, 8151	As, Cd, Cu, Pb, Hg, Mo, Ni, K, Se, Zn	Fecal Coliform	% Moisture	Total % Volatile Solids	Total Nitrogen, TKN/Nox	Phosphorus pH															
							Ice	HNO <sub>3</sub>	HCl	NaOH	H <sub>2</sub> SO <sub>4</sub>	None	Other	Groundwater	Wastewater	Drinking Water	Sludge												Soil	Surface Water									
1	1/2/08	13:15	3	X		NO	X											X	X	X	X																		Q1

Special Instructions:

Retrieved by: *[Signature]* Date: **12-17-07** Time: **13:45**

Relinquished by: *[Signature]* Date: **1-2-08** Time: **15:04**

Laboratory Comments:

Temperature Upon Receipt: **20.9**

Sample Containers Intact? **Y**

VOCS Free of Headspace? **Y**

Received By: *[Signature]* Date: **1/2/08** Time: **13:15**

**20.9** Y Y