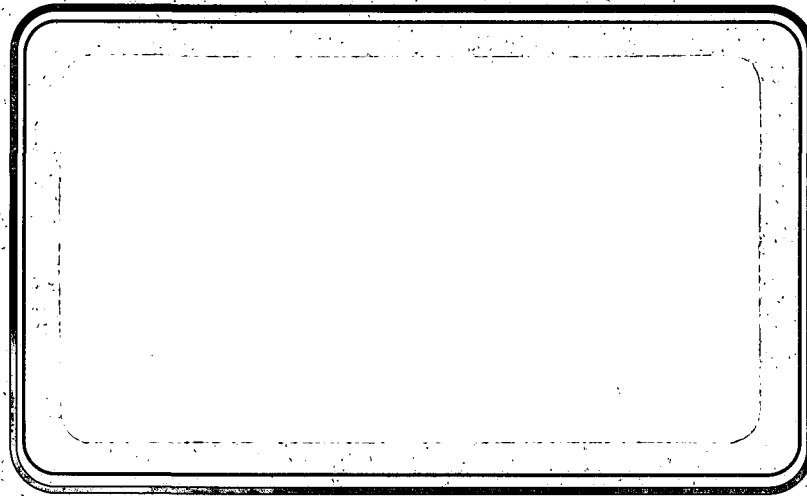




Central Testing Laboratory

Engineering and Materials Testing



LEESBURG • FLORAL CITY • OCALA

RECEIVED
MAR 28 2001
Department of Environmental Protection
BY SOUTHWEST DISTRICT

**FIRST QUARTER 2001
SCRUBBER & BIO-FILTER TEST RESULTS
SUMTER COUNTY SOLID WASTE FACILITY
SUMTER COUNTY
P.O. BOX 1066
BUSHNELL, FLORIDA
PERMIT # 126940-001-SO**

CONDUCTED FOR

Mr. Garry Breeden

FEBRUARY 27, 2001



CENTRAL TESTING LABORATORY

Conducted and prepared by
Patricia Snowdon, Environmental Specialist

Central Testing Laboratory

EB 0002407

Engineering and Materials Testing

Reply to:

March 21, 2001

Ms. Susan Pelz, P.E

F.D.E.P.
3804 Coconut Palm Dr.
Tampa, FL 33619

RE: Scrubber & Bio-filter Test Results
Sumter County Solid Waste Management Facility
Fourth Quarter 2000

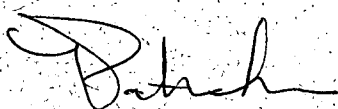
RECEIVED
MAR 28 2001
Department of Environmental Protection
BY SOUTHWEST DISTRICT

Dear Ms. Pelz

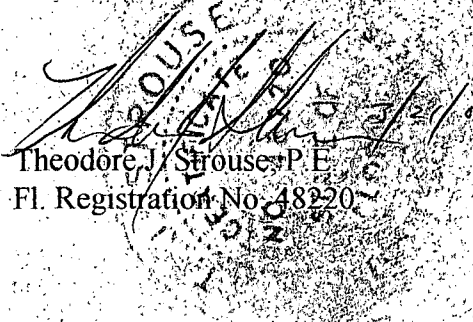
Central Testing Laboratory (CTL) has completed the First quarter air and scrubber water sampling as required by Specific Conditions No. 10D of the composting permit. These samples were taken on February 27, 2001. The air was sampled prior to entering the scrubber, "A", and at the outlet of the bio-filter, "B". The air samples were tested for BTEX and TRPH. The results are attached for your use.

If you should need additional information or have questions concerning the report, please feel free to contact our office.

Very Truly Yours,
Central Testing Laboratory



Patricia Snowdon
Environmental Specialist



Theodore J. Strouse, P.E.
Fl. Registration No. 48220

Attachments

cc: Ms. Susan Pelz, P.E.
Mr. Garry Breeden
Mr. Terry Hurst

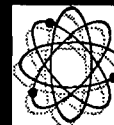
P.O. Box 883
Floral City, FL 34436
(352) 726-6447

727 S. 14th Street
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3639

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186





**CHEMICAL
LABORATORIES**
INCORPORATED

Received From:
Cent. Testing Lab
723 S. 14th Street
Leesburg, FL 34748

Date Reported : Mar13 2001
Project Number : Sumter Cty.
PO Number : eff
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: reactivity FP NACE

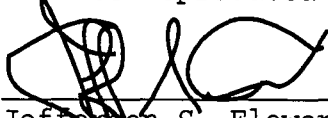
Date Sampled: Feb27 2001 Date Received: Feb27 2001 Lab Number : 13074

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	13074 LEACHATE
Flash_Point of		75.0	102.	.000	>200.
NACE mm/yr		.00100	74.0	.000	0.0600
Cyanide mg/L		0.0100	90.9	3.67	<.0100
Hydrogen Sulfide mg/L		0.500	88.4	.000	1.06
Reactivity_CN Y/N		.00500			N
Reactivity_S Y/N		.00500			N

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

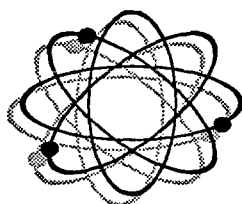
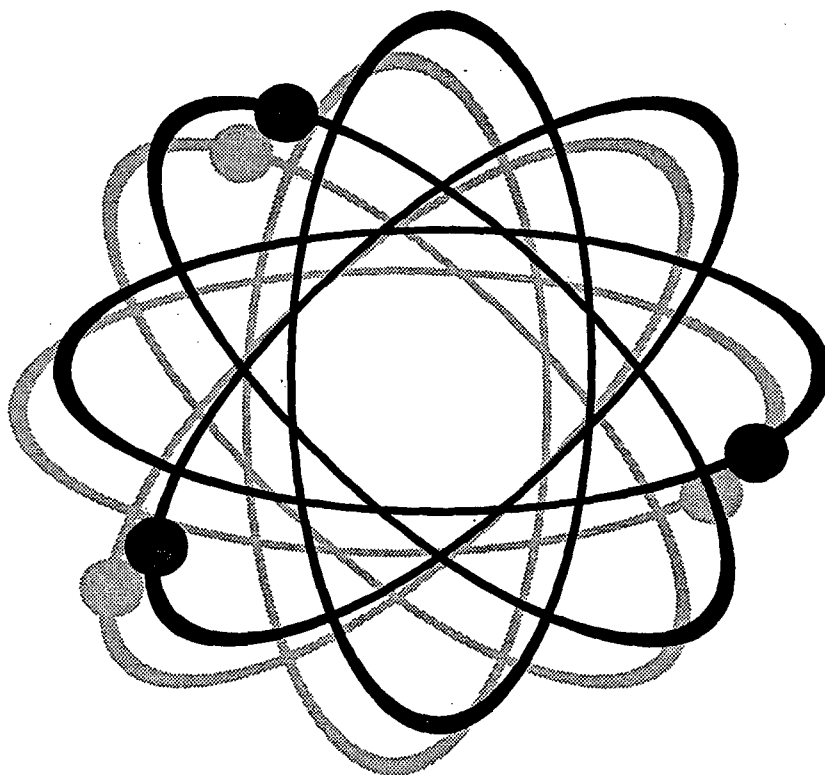

Jefferson S. Flowers, Ph.D.
President/Technical Director

1199		FLOWERS CHEMICAL LABORATORIES																	
ANALYTICAL RESULTS FORM														FLDOH Number E83018					
Parameter	Symbol	Unit	leachate											QA	Section				
			13074											Method	MDL	%RSD	%Rec	Analysis	Date
Flash Point	*	oF	0.000											EPA1010	75		102	DRP	02-27-2001 14:00
NACE Corrosivity	*	mm/yr	0.06J											-	0.001		74.0	NYB	02-27-2001 15:08
Cyanide	*	mg/L	<0.01U											EPA335.2	0.01	3.67	90.9	VPM	02-28-2001 09:00
Hydrogen Sulfide	*	mg/L	1.06											EPA376.1	0.5		88.4	DRP	02-27-2001 14:00
Reactivity_CN	*	Y/N	<0.005											SW-846	0.005			DRP	02-27-01
Reactivity_S	*	Y/N	<0.005											SW-846	0.005			DRP	02-27-01
Date Received:				02-27-01		Typed:				03-13-01		Sent:				03-13-01			
Project Number	Sumter Cty.		Qualifier Key																
PO Number	eff		J Surrogate recovery limits have been exceeded;																
Date Sampled	1 02-27-01 *		No known quality control criteria exists for the component;																
Date Analyzed	0		The sample matrix interfered with the ability to make any accurate determination.																
Compacted			Q Sample held beyond the accepted holding time.																
Format	NormRR		U Indicates that the compound was analyzed for but not detected.																
Unit Cost	Extd		V Indicates that the analyte was detected in both the sample and the associated method blank.																
reactivity	7500 1 *																		
FP	4500 1 *																		
NACE	3600 1 *																		

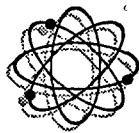
Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter Cty.
Lab Numbers: 13074 - 13074

Report date: 13-Mar-01



**FLOWERS
CHEMICAL
LABORATORIES**



FLOWERS CHEMICAL LABORATORIES, INC.

QA SDG Narrative Summary

Client:	Cent. Testing Lab
Project Number:	Sumter Cty.
P.O. Number:	eff
Date Sampled:	27-Feb-01
Lab Numbers:	13074 - 13074

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

Surrogate Compound Recoveries:

The requested analytes did not require surrogates.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.

The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.

The RSD was met for all compounds as shown in section 2.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

QCCS Check Sample:

The control limits were met for all compounds as shown in section 4.

Standards Traceability:

The t-test limits were met for all calibration standards as shown in section 5.

The t-test limits were met for all QCCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were met for all surrogate spike standards as shown in section 5.



FLOWERS CHEMICAL LABORATORIES, INC.

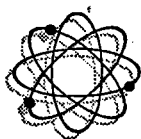
QA Section 2

Matrix Spike Recovery

Client:
Project Number:
P.O. Number:
Date Sampled:
Lab Numbers:

Cent. Testing Lab
Sumter Cty.
eff
27-Feb-01
13074 - 13074

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Cyanide	mg/L	EPA335.2	02-28-2001 09:00	0.2	<0.01	0.182	90.9%	0.189	94.7%	0.096 - 0.282	0.005	0 - 0.056
Hydrogen Sulfide	mg/L	EPA376.1	02-27-2001 14:00	1.43	0.080	1.34	88.4%	1.34	88.4%	1.31 - 1.68	0.000	0 - 0.160



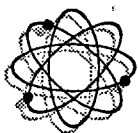
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter Cty.
P.O. Number: eff
Date Sampled: 27-Feb-01
Lab Numbers: 13074 - 13074

Analyte	Unit	Method	Date	Concentration
Flash_Point	oF	EPA1010	02-27-2001 14:00	<75
Cyanide	mg/L	EPA335.2	02-28-2001 09:00	<0.01
Hydrogen Sulfide	mg/L	EPA376.1	02-27-2001 14:00	<0.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter Cty.
P.O. Number: eff
Date Sampled: 27-Feb-01
Lab Numbers: 13074 - 13074

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Flash Point	oF	EPA1010	02-27-2001 14:00	81.0	83.0	102%	70.8 - 92.8
Cyanide	mg/L	EPA335.2	02-28-2001 09:00	0.100	0.108	108%	0.068 - 0.126



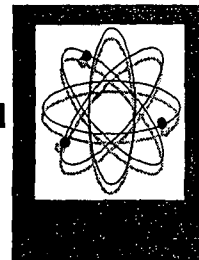
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Cent. Testing Lab
Project Number: Sumter Cty.
P.O. Number: eff
Date Sampled: 27-Feb-01
Lab Numbers: 13074 - 13074

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Received	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Cyanide	EMS	34341536	442	DRP	03-12-96	03-12-02	1999	VPM	01-02-01	04-02-01			0.966	0.104	0.969	0.028
OCCS	Baker	3080-01	44	DRP	04-07-98	04-06-01	2011	VPM	01-10-01	04-06-01	2.74	>1.73	0.966	0.104	1.00	0.092
Matrix Spike	EMS	34341536	442	DRP	03-12-96	03-12-02	1999	VPM	01-02-01	04-02-01			0.966	0.104	0.969	0.028



Received From:
Cent. Testing Lab
723 S. 14th Street
Leesburg, FL 34748

Date Reported : Feb28 2001
Project Number : Sumter County
PO Number : air
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: BTEX TRPH

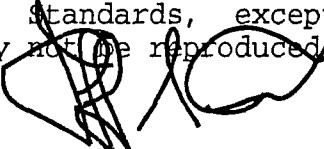
Date Sampled: Feb27 2001 Date Received: Feb27 2001 Lab Numbers: 32065-32066

REPORT OF ANALYSIS

Parameter	Unit	Reportable %Rec Detection Limit	32065	32066
			BEFORE	AFTER
Tot_Pet_Hydrocarbons	mg/m3	1.00	5.38	123.
Benzene	mg/m3	0.500	<0.500	<0.500
Toluene	mg/m3	0.500	<0.500	<0.500
Ethylbenzene	mg/m3	0.500	<0.500	<0.500
Xylene	mg/m3	0.500	<0.500	<0.500
Total_BTEX	mg/m3	0.500	<0.500	<0.500
Methyl-tert-butyleth	mg/m3	0.500	1.15	5.37

Certificate of Results

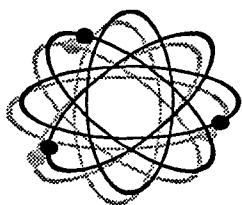
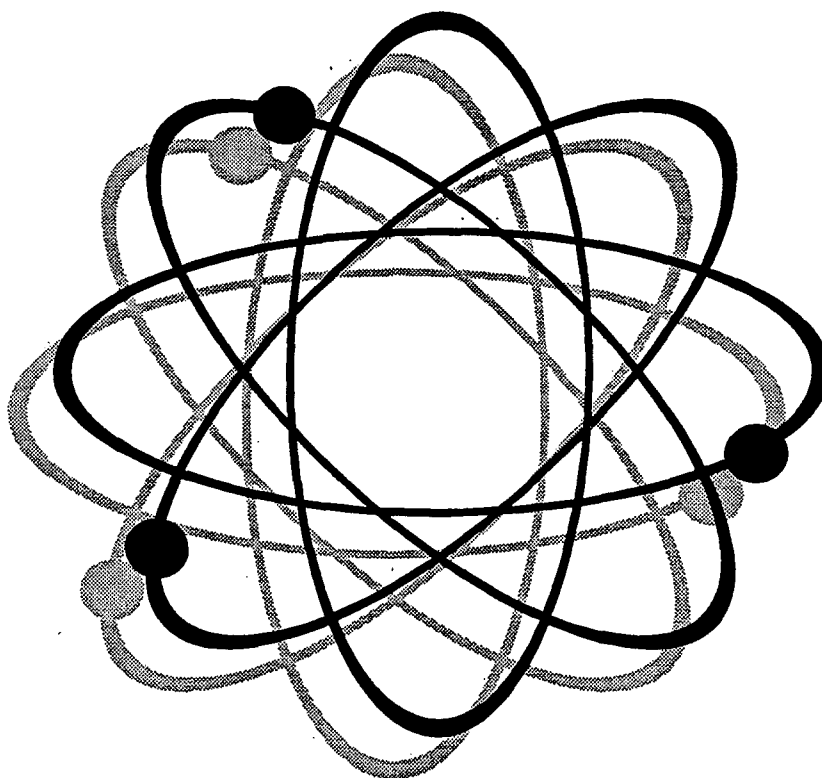
Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.


Jefferson S. Flowers, Ph.D.
President/Technical Director

Quality Assurance Report

Prepared for: Cent. Testing Lab
Project Number: Sumter County
Lab Numbers: 32065 - 32066

Report date: 28-Feb-01



**FLOWERS
CHEMICAL
LABORATORIES**

1199		FLOWERS CHEMICAL LABORATORIES															
		ANALYTICAL RESULTS FORM										FLDOH Number E83018					
Parameter	Symbol	Unit	before 32065	after 32066								QA Method	Section MDL	%RSD	%Rec	Analysis CLS	Date
Tot Pet Hydrocarbons	*	mg/m3	5.38	123								EPA18	1			CLS	02-27-01
Benzene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Toluene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Ethylbenzene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Xylene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Total BTEX	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
MTBE	*	mg/m3	1.15	5.37								EPA18	0.5			CLS	02-27-01
			Date Received:		02-27-01		Typed:		02-28-01		Sent:		02-28-01				
Project Number	Sumter County		Qualifier Key														
PO Number	air		J		Surrogate recovery limits have been exceeded;												
Date Sampled	1 02-27-01 *				No known quality control criteria exists for the component;												
Date Analyzed	0				The sample matrix interfered with the ability to make any accurate determination.												
Compacted			Q		Sample held beyond the accepted holding time.												
Format	NormRR		U		Indicates that the compound was analyzed for but not detected.												
Unit Cost	Exted		V		Indicates that the analyte was detected in both the sample and the associated method blank.												
EPA18	12500		2 *														

1199		FLOWERS CHEMICAL LABORATORIES															
		ANALYTICAL RESULTS FORM										FLDOH Number E83018					
Parameter	Symbol	Unit	before	after								QA		Section			
			32065	32066								Method	MDL	%RSD	%Rec	Analys	Date
Tot Pet Hydrocarbons	*	mg/m3	5.38	123								EPA18	1			CLS	02-27-01
Benzene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Toluene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Ethylbenzene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Xylene	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
Total BTEX	*	mg/m3	<0.5U	<0.5U								EPA18	0.5			CLS	02-27-01
MTBE	*	mg/m3	1.15	5.37								EPA18	0.5			CLS	02-27-01
			Date Received:		02-27-01		Typed:		02-28-01		Sent:		02-28-01				
Project Number	Sumter County		Qualifier Key														
PO Number	air		J		Surrogate recovery limits have been exceeded;												
Date Sampled	1 02-27-01 *				No known quality control criteria exists for the component;												
Date Analyzed	0				The sample matrix interfered with the ability to make any accurate determination.												
Compacted			Q		Sample held beyond the accepted holding time.												
Format	NormRR		U		Indicates that the compound was analyzed for but not detected.												
Unit Cost	Extd		V		Indicates that the analyte was detected in both the sample and the associated method blank.												
EPA18	12500		2 *														



FLOWERS CHEMICAL LABORATORIES, INC.

QA SDG Narrative Summary

Client:	Cent. Testing Lab
Project Number:	Sumter County
P.O. Number:	air
Date Sampled:	27-Feb-01
Lab Numbers:	32065 - 32066

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

The requested analytes did not require surrogates.

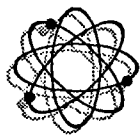
Accuracy / Precision:

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

The control limits were met for all compounds as shown in section 4.

Standards Traceability:



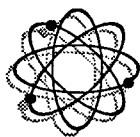
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: air
Date Sampled: 27-Feb-01
Lab Numbers: 32065 - 32066

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Tot_Pet_Hydrocarbons	mg/m3	EPA18	02-27-01	400	364	91.0%	292 - 502
Benzene	mg/m3	EPA18	02-27-01	400	353	88.3%	276 - 476
Toluene	mg/m3	EPA18	02-27-01	400	354	88.5%	301 - 487
Ethylbenzene	mg/m3	EPA18	02-27-01	400	350	87.5%	310 - 495
Xylene	mg/m3	EPA18	02-27-01	1200	1062	88.5%	898 - 1488
Total_BTEX	mg/m3	EPA18	02-27-01	2400	2119	88.3%	1818 - 2906
MTBE	mg/m3	EPA18	02-27-01	400	341	85.3%	270 - 493



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Cent. Testing Lab
Project Number: Sumter County
P.O. Number: air
Date Sampled: 27-Feb-01
Lab Numbers: 32065 - 32066

Analyte	Unit	Method	Date	Concentration
Tot_Pet_Hydrocarbons	mg/m3	EPA18	02-27-01	<1
Benzene	mg/m3	EPA18	02-27-01	<0.5
Toluene	mg/m3	EPA18	02-27-01	<0.5
Ethylbenzene	mg/m3	EPA18	02-27-01	<0.5
Xylene	mg/m3	EPA18	02-27-01	<0.5
Total_BTEX	mg/m3	EPA18	02-27-01	<0.5
MTBE	mg/m3	EPA18	02-27-01	<0.5