



12/27/04

**Technical Report for**

**S M Stoller**

**Star Center-B100**

**7030-226/Monthly**

**Accutest Job Number: F27169**

**Sampling Date: 10/05/04**

**Report to:**

**S M Stoller**

**Cathy.Kelleher@gjo.doe.gov**

**ATTN: Cathy Kelleher**

**Total number of pages in report: 24**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
**Harry Behzadi, Ph.D.**  
**Laboratory Director**

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F27169

Star Center-B100

Project No: 7030-226/Monthly

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F27169-1	10/05/04	09:35 JPC	10/05/04	AQ	Ground Water	PIN12-RW01-N001
F27169-2	10/05/04	09:40 JPC	10/05/04	AQ	Ground Water	PIN12-RW02-N001
F27169-3	10/05/04	11:10 JPC	10/05/04	AQ	Ground Water	PIN12-TRTI-N001
F27169-4	10/05/04	11:12 JPC	10/05/04	AQ	Ground Water	PIN12-TRTE-N001

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F27169

**Site:** Star Center-B100

**Report Date** 10/26/2004

4 Samples were collected on 10/05/2004 and were received at Accutest on 10/05/2004 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F27169. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VC1142

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F27169-3MS, F27169-3MSD were used as the QC samples indicated.

MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. RPD for MS/MSD for 2-Chloroethyl vinyl ether is outside control limits. Probable cause due to matrix interference.

Blank Spike Recovery for 2-Chloroethyl vinyl ether is above control limits. The associated samples were non-detect for this compound. Data not adversely affected.

F27169-4: Sample was treated with an anti-foaming agent.

### Volatiles by GCMS By Method SW846 8260B

**Matrix:** AQ

**Batch ID:** VC1141

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F27066-15MS, F27066-15MSD were used as the QC samples indicated.

MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. RPD for MS/MSD for 2-Chloroethyl vinyl ether is outside control limits. Probable cause due to matrix interference.

Blank Spike Recovery for 2-Chloroethyl vinyl ether is above control limits. The associated samples were non-detect for this compound. Data not adversely affected.

### Extractables by GCMS By Method EPA 625

**Matrix:** AQ

**Batch ID:** OP11518

All samples were analyzed within the recommended method holding time.

All samples were extracted within the recommended method holding time.

Samples F27220-1MS, F27220-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recoveries for Isophorone are outside control limits. RPDs for MS/MSD for 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 2,4,5-Trichlorophenol, 2,4,6-Trichlorophenol, 2,4-Dinitrotoluene, 2,6-Dinitrotoluene, 2-Chloronaphthalene, 2-Methylnaphthalene, 2-Nitroaniline, 4-Bromophenyl phenyl ether, 4-Chloro-3-methyl phenol, 4-Chloroaniline, 4-Chlorophenyl phenyl ether, 4-Nitroaniline, Acenaphthene, Acenaphthylene, Anthracene, Benzo(a)anthracene, Benzo(a)pyrene, Benzo(k)fluoranthene, bis(2-Chloroisopropyl)ether, Butyl benzyl phthalate, Di-n-butyl phthalate, Dibenzofuran, Diethyl phthalate, Fluoranthene, Fluorene, Hexachlorobenzene, Hexachloroethane, Isophorone, N-Nitrosodiphenylamine, Pentachlorophenol, Phenanthrene are outside control limits. Probable cause due to matrix interference. Probable cause due to sample homogeneity

## Metals By Method SW846 6010B

**Matrix:** AQ

**Batch ID:** MP7263

All method blanks for this batch meet method specific criteria.

Samples F27162-2DUP, F27162-2MS, F27162-2MSD, F27162-2SDL, F27162-2DUP were used as the QC samples for metals.

RPDs for Serial Dilution for Iron, Molybdenum are outside control limits for sample MP7263-SD1, MP7263-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

RPDs for Duplicate for Iron, Molybdenum, Nickel are outside control limits for sample MP7263-D1, MP7263-D1. RPD acceptable due to low duplicate and sample concentrations.

## Metals By Method SW846 7470A

**Matrix:** AQ

**Batch ID:** MP7226

All method blanks for this batch meet method specific criteria.

Samples F27168-5DUP, F27168-5MS, F27168-5MSD were used as the QC samples for metals.

## Wet Chemistry By Method EPA 300/SW846 9056

**Matrix:** AQ

**Batch ID:** GP5955

All samples were analyzed within the recommended method holding time.

Samples F26623-4DUP, F26623-4DUP, F26623-4MS were used as the QC samples for Nitrogen, Nitrate, Nitrogen, Nitrite, Nitrogen, Nitrate.

All method blanks for this batch meet method specific criteria.

## Wet Chemistry By Method EPA 335.2

**Matrix:** AQ

**Batch ID:** GP5963

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F27153-1DUP, F27153-1MS, F27153-1MSD were used as the QC samples for Cyanide, Total, Cyanide, Total.

## Wet Chemistry By Method EPA 350.2

**Matrix:** AQ

**Batch ID:** GP5998

All samples were analyzed within the recommended method holding time.

Samples F27163-1DUP, F27163-1MS, F27163-1MSD were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.

All method blanks for this batch meet method specific criteria.

## Wet Chemistry By Method EPA 351.3

**Matrix:** AQ

**Batch ID:** GP5999

All samples were analyzed within the recommended method holding time.

Sample(s) F27254-1DUP, F27254-1MS were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

## Wet Chemistry By Method SM18 4500N

**Matrix:** AQ

**Batch ID:** R14044

F27169-4 for Nitrogen, Total: Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

## Wet Chemistry By Method SM18 4500NO3E

**Matrix:** AQ

**Batch ID:** R13967

F27169-4 for Nitrogen, Nitrate + Nitrite: Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: October 26, 2004

Sue O. Bell, Project Manager (signature on file)



## Report of Analysis

<b>Client Sample ID:</b> PIN12-RW01-N001	
<b>Lab Sample ID:</b> F27169-1	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0026894.D	100	10/12/04	KW	n/a	n/a	VC1141
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	50	ug/l	
75-27-4	Bromodichloromethane	ND	100	50	ug/l	
75-25-2	Bromoform	ND	100	50	ug/l	
108-90-7	Chlorobenzene	ND	100	50	ug/l	
75-00-3	Chloroethane	ND	100	100	ug/l	
67-66-3	Chloroform	ND	100	50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	500	250	ug/l	
56-23-5	Carbon tetrachloride	ND	100	50	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	100	50	ug/l	
107-06-2	1,2-Dichloroethane	ND	100	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	50	ug/l	
124-48-1	Dibromochloromethane	ND	100	40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2000	100	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	30	ug/l	
541-73-1	m-Dichlorobenzene	ND	100	50	ug/l	
95-50-1	o-Dichlorobenzene	ND	100	50	ug/l	
106-46-7	p-Dichlorobenzene	ND	100	50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	100	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	100	30	ug/l	
100-41-4	Ethylbenzene	ND	100	50	ug/l	
74-83-9	Methyl bromide	ND	100	100	ug/l	
74-87-3	Methyl chloride	ND	100	100	ug/l	
75-09-2	Methylene chloride	ND	100	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	50	ug/l	
127-18-4	Tetrachloroethylene	ND	100	50	ug/l	
108-88-3	Toluene	ND	100	50	ug/l	
79-01-6	Trichloroethylene	4200	100	50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

**Client Sample ID:** PIN12-RW01-N001  
**Lab Sample ID:** F27169-1  
**Matrix:** AQ - Ground Water  
**Method:** SW846 8260B  
**Project:** Star Center-B100

**Date Sampled:** 10/05/04  
**Date Received:** 10/05/04  
**Percent Solids:** n/a

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	100	60	ug/l	
75-01-4	Vinyl chloride	550	100	50	ug/l	
	m,p-Xylene	ND	200	50	ug/l	
95-47-6	o-Xylene	ND	100	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	109%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	95%		83-119%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-RW02-N001	
<b>Lab Sample ID:</b> F27169-2	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0026893.D	10	10/12/04	KW	n/a	n/a	VC1141
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	16.8	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	590	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	48.9	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	ND	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	349	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

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<b>Client Sample ID:</b> PIN12-RW02-N001	
<b>Lab Sample ID:</b> F27169-2	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	10	6.0	ug/l	
75-01-4	Vinyl chloride	66.0	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	108%		73-126%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	94%		83-119%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	
<b>Lab Sample ID:</b> F27169-3	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0026898.D	20	10/12/04	KW	n/a	n/a	VC1142
Run #2							

Run #1	Purge Volume
Run #1	5.0 ml
Run #2	

**VOA Special List**

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	20	10	ug/l	
75-27-4	Bromodichloromethane	ND	20	10	ug/l	
75-25-2	Bromoform	ND	20	10	ug/l	
108-90-7	Chlorobenzene	ND	20	10	ug/l	
75-00-3	Chloroethane	ND	20	20	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	100	50	ug/l	
56-23-5	Carbon tetrachloride	ND	20	10	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
124-48-1	Dibromochloromethane	ND	20	8.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1360	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	6.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	20	10	ug/l	
95-50-1	o-Dichlorobenzene	ND	20	10	ug/l	
106-46-7	p-Dichlorobenzene	ND	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethylene	31.0	20	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.0	ug/l	
100-41-4	Ethylbenzene	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	20	20	ug/l	
74-87-3	Methyl chloride	ND	20	20	ug/l	
75-09-2	Methylene chloride	ND	20	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	10	ug/l	
127-18-4	Tetrachloroethylene	ND	20	10	ug/l	
108-88-3	Toluene	ND	20	10	ug/l	
79-01-6	Trichloroethylene	1140	20	10	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	
<b>Lab Sample ID:</b> F27169-3	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	20	12	ug/l	
75-01-4	Vinyl chloride	144	20	10	ug/l	
	m,p-Xylene	ND	40	10	ug/l	
95-47-6	o-Xylene	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	109%		73-126%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	95%		83-119%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	<b>Date Sampled:</b> 10/05/04
<b>Lab Sample ID:</b> F27169-3	<b>Date Received:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	4960	300	48	ug/l	1	10/13/04	10/15/04 DM	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA4034

(2) Prep QC Batch: MP7263

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 B = Indicates a result > = MDL but < RL

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	<b>Date Sampled:</b> 10/05/04
<b>Lab Sample ID:</b> F27169-3	<b>Date Received:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	374	4.0	mg/l	1	10/19/04	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F27169-4	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	C0026901.D	1	10/12/04	KW	n/a	n/a	VC1142
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F27169-4	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

**VOA Special List**

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	106%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F27169-4	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> EPA 625 EPA 625	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L023941.D	1	10/18/04	SM	10/09/04	OP11518	SL1265
Run #2							

Run #	Initial Volume	Final Volume
Run #1	950 ml	1.0 ml
Run #2		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	26	16	ug/l	
95-57-8	2-Chlorophenol	ND	5.3	2.1	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.3	2.1	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.3	2.1	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.3	2.1	ug/l	
51-28-5	2,4-Dinitrophenol	ND	26	11	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	11	5.3	ug/l	
95-48-7	2-Methylphenol	ND	5.3	2.1	ug/l	
	3&4-Methylphenol	ND	5.3	2.1	ug/l	
88-75-5	2-Nitrophenol	ND	5.3	2.1	ug/l	
100-02-7	4-Nitrophenol	ND	26	11	ug/l	
87-86-5	Pentachlorophenol	ND	26	11	ug/l	
108-95-2	Phenol	ND	5.3	2.1	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.3	2.1	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.3	2.1	ug/l	
83-32-9	Acenaphthene	ND	5.3	1.1	ug/l	
208-96-8	Acenaphthylene	ND	5.3	1.1	ug/l	
120-12-7	Anthracene	ND	5.3	1.1	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.3	1.1	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.3	1.1	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.3	1.1	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.3	2.1	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.3	1.1	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.3	1.1	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.3	2.1	ug/l	
100-51-6	Benzyl Alcohol	ND	5.3	1.1	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.3	1.1	ug/l	
106-47-8	4-Chloroaniline	ND	11	3.2	ug/l	
86-74-8	Carbazole	ND	5.3	1.1	ug/l	
218-01-9	Chrysene	ND	5.3	1.1	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.3	1.1	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.3	2.1	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	PIN12-TRTE-N001	<b>Date Sampled:</b>	10/05/04
<b>Lab Sample ID:</b>	F27169-4	<b>Date Received:</b>	10/05/04
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	EPA 625 EPA 625		
<b>Project:</b>	Star Center-B100		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.3	1.1	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.3	1.1	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.3	1.1	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.3	1.1	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	5.3	1.1	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.3	2.1	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.3	2.1	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	11	5.3	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.3	2.1	ug/l	
132-64-9	Dibenzofuran	ND	5.3	1.1	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.3	2.1	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.3	2.6	ug/l	
84-66-2	Diethyl phthalate	ND	5.3	2.1	ug/l	
131-11-3	Dimethyl phthalate	ND	5.3	2.1	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.3	2.6	ug/l	
206-44-0	Fluoranthene	ND	5.3	1.1	ug/l	
86-73-7	Fluorene	ND	5.3	1.1	ug/l	
118-74-1	Hexachlorobenzene	ND	5.3	1.1	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.3	2.1	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.3	2.1	ug/l	
67-72-1	Hexachloroethane	ND	5.3	2.1	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.3	2.1	ug/l	
78-59-1	Isophorone	ND	5.3	1.1	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.3	1.1	ug/l	
88-74-4	2-Nitroaniline	ND	5.3	2.1	ug/l	
99-09-2	3-Nitroaniline	ND	5.3	2.1	ug/l	
100-01-6	4-Nitroaniline	ND	5.3	2.1	ug/l	
91-20-3	Naphthalene	ND	5.3	1.1	ug/l	
98-95-3	Nitrobenzene	ND	5.3	1.1	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.3	2.1	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.3	2.1	ug/l	
85-01-8	Phenanthrene	ND	5.3	1.1	ug/l	
129-00-0	Pyrene	ND	5.3	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.3	1.1	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	44%		19-90%
4165-62-2	Phenol-d5	31%		10-68%
118-79-6	2,4,6-Tribromophenol	93%		36-137%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F27169-4	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> EPA 625 EPA 625	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

**ABN TCL List**

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	79%		49-119%
321-60-8	2-Fluorobiphenyl	81%		45-118%
1718-51-0	Terphenyl-d14	83%		46-135%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001 <b>Lab Sample ID:</b> F27169-4 <b>Matrix:</b> AQ - Ground Water <b>Project:</b> Star Center-B100	<b>Date Sampled:</b> 10/05/04 <b>Date Received:</b> 10/05/04 <b>Percent Solids:</b> n/a
--	---

### Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	4980	300	48	ug/l	1	10/13/04	10/15/04 DM	SW846 6010B <sup>2</sup>	SW846 3010A <sup>4</sup>
Mercury	0.052 U	1.0	0.052	ug/l	1	10/07/04	10/07/04 SM	SW846 7470A <sup>1</sup>	SW846 7470A <sup>3</sup>
Molybdenum	37.7 B	50	3.9	ug/l	1	10/13/04	10/15/04 DM	SW846 6010B <sup>2</sup>	SW846 3010A <sup>4</sup>
Nickel	1.3 B	40	0.80	ug/l	1	10/13/04	10/15/04 DM	SW846 6010B <sup>2</sup>	SW846 3010A <sup>4</sup>
Selenium	3.6 U	10	3.6	ug/l	1	10/13/04	10/15/04 DM	SW846 6010B <sup>2</sup>	SW846 3010A <sup>4</sup>

- (1) Instrument QC Batch: MA4015
- (2) Instrument QC Batch: MA4034
- (3) Prep QC Batch: MP7226
- (4) Prep QC Batch: MP7263

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 B = Indicates a result > = MDL but < RL

## Report of Analysis

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3

<b>Client Sample ID:</b> PIN12-TRTE-N001	<b>Date Sampled:</b> 10/05/04
<b>Lab Sample ID:</b> F27169-4	<b>Date Received:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Cyanide, Total	0.0070 U	0.010	0.0070	mg/l	1	10/08/04	MCR	EPA 335.2
Hardness, Total as CaCO3	374	4.0		mg/l	1	10/19/04	DM	SW846 6010B/SM 2340B
Nitrogen, Ammonia	0.65	0.20	0.024	mg/l	1	10/19/04	KG	EPA 350.2
Nitrogen, Nitrate	0.13	0.10	0.050	mg/l	1	10/06/04 23:10	KG	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite <sup>a</sup>	< 0.20	0.20	0.10	mg/l	1	10/06/04 23:10	KG	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/06/04 23:10	KG	EPA 300/SW846 9056
Nitrogen, Total <sup>b</sup>	1.3	0.40		mg/l	1	10/22/04	MP	SM18 4500N
Nitrogen, Total Kjeldahl	1.3	0.20	0.10	mg/l	1	10/22/04	MP	EPA 351.3

(a) Calculated as: (Nitrogen, Nitrate) + (Nitrogen, Nitrite)

(b) Calculated as: (Nitrogen, Total Kjeldahl) + (Nitrogen, Nitrate + Nitrite)

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
B = Indicates a result > = MDL but < RL

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES										
S.M. Stoller NAME 7887 Bryan Dairy Rd, Suite 260 ADDRESS Largo FL 33777 CITY STATE ZIP SEND REPORT TO: PHONE #		STAR Center - Monthly Sampling PROJECT NAME B 100 LOCATION 7030-226 PROJECT NO. FAX #				VOCs - 8260 VOCs - 624 SVOCs - 625 Fe, As, Mo, Ni, Se Address Ammonia, TKN Nitrate, Nitrite Cyanide Fe, Hardness				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID										
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION							LAB USE ONLY								
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	HTC	INCH	INCO	INCOB	INCOH		NONE							
①	PIN12 - RW01 - N001	10-5-04	0935	JPC	GW	3	3													
②	PIN12 - RW02 - N001		0940			3	3													
③	PIN12 - TRTI - N001		1110			4	3	1												
④	PIN12 - TRTE - N001		1112			9	3	1	1	1	3									
<b>DATA TURNAROUND INFORMATION</b> <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		<b>DATA DELIVERABLE INFORMATION</b> <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				<b>COMMENTS/REMARKS</b> • Need total nitrogen reported														
<b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY</b>																				
RELINQUISHED BY SAMPLER: 1. J.P.C.		DATE TIME: 10-5-04/1345		RECEIVED BY: 1. [Signature]		DATE TIME: 10-5-04		RECEIVED BY: 2. [Signature]		RELINQUISHED BY: 3.		DATE TIME: 3.		RECEIVED BY: 4.		RELINQUISHED BY: 5.		DATE TIME: 5.		
				SEAL # 2				PRESERVE WHERE APPLICABLE <input type="checkbox"/>				ON ICE <input type="checkbox"/>		TEMPERATURE C						

4.1  
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ACCUTEST LABORATORIES, SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F27169

Accutest's Job Number: SM 5/11/04 Project: B100

Client: SM 5/11/04 Date Received: 10-5-04 Time Received: 16:00

# of Coolers Received: 2 Cooler Temperatures: 3 2 3 0

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number: \_\_\_\_\_

Cooler Custody Seals Intact?  Yes  No

Chain of Custody Provided?  Yes  No

COC Match Bottle Label ID's?  Yes  No

Sample Labels Present on all bottles?  Yes  No

All Analyses Marked On COC?  Yes  No

Are All Bottles Intact?  Yes  No

Samples Preserved Correctly?  Yes  No

Correct Number of Containers Used?  Yes  No

Sufficient Sample Volume?  Yes  No

Trip Blank Provided?  Yes  No

Trip Blank on COC?  Yes  No

Trip Blank Intact?  Yes  No

Trip Blank Matrix?  Yes  No

Number of Encores?  Yes  No

Number of Soil Field Kits?  Yes  No

Summary of Comments: \_\_\_\_\_

Signature: [Signature]

Review Signature: \_\_\_\_\_ Date: 10-5-04



12/27/04

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F27172

Sampling Date: 10/05/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **8**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F27172

Star Center-B100 Monthly/Effluent; Largo, FL  
Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F27172-1	10/05/04	11:15 JPC	10/05/04	AQ	Ground Water	PIN12-TRTE-N002*B100

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F27172

**Site:** Star Center-B100 Monthly/Effluent; Largo, FL

**Report Date** 10/14/2004

1 Sample was collected on 10/05/2004 and were received at Accutest on 10/05/2004 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F27172. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VC1142

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F27169-3MS, F27169-3MSD were used as the QC samples indicated.

F27172-1: Sample was treated with an anti-foaming agent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: October 14, 2004

\_\_\_\_\_  
Sue O. Bell, Project Manager (signature on file)

## Report of Analysis

3.1  
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<b>Client Sample ID:</b> PIN12-TRTE-N002*B100	
<b>Lab Sample ID:</b> F27172-1	<b>Date Sampled:</b> 10/05/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 10/05/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100 Monthly/Effluent; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	C0026905.D	1	10/13/04	KW	n/a	n/a	VC1142
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

### Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene <sup>b</sup>	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	114%		73-126%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

- (a) Sample collected on 10/05/04 at 11:15.  
 (b) Sample was treated with an anti-foaming agent.

---

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Misc. Forms

---

### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
ORLANDO, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #:

**F27172**

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX CODES
S.M. Steller NAME 7887 Bryan Dairy Rd. Site 260 ADDRESS Largo FL 33777 CITY STATE ZIP SEND REPORT TO: PHONE #			STAR Center - Monthly Effluent Sample PROJECT NAME B 100 LOCATION 7030-226 PROJECT NO. FAX #				(by 624) BTEX, Total VOAs										DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES											HCl
①	PN 12-TRTE-NO02 * B100	10-5-04	1115	JPC	GW	3	3										
<b>DATA TURNAROUND INFORMATION</b> <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER APPROVED BY: _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED			<b>DATA DELIVERABLE INFORMATION</b> <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				<b>COMMENTS/REMARKS</b> Benzene Xylenes Toluene Total VOAs Ethyl benzene										
<b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY</b>																	
RELINQUISHED BY: 1. JPC	DATE TIME: 10-5-04/13:48	RECEIVED BY: 1. [Signature]	RELINQUISHED BY: 2. [Signature]	DATE TIME: 10-5-04	RECEIVED BY: 2. [Signature]												
RELINQUISHED BY: 3. [Signature]	DATE TIME:	RECEIVED BY: 3. [Signature]	RELINQUISHED BY: 4. [Signature]	DATE TIME:	RECEIVED BY: 4. [Signature]												
RELINQUISHED BY: 5. [Signature]	DATE TIME:	RECEIVED BY: 5. [Signature]	SEAL #	PRESERVE WHERE APPLICABLE		ON ICE		TEMPERATURE									

4.1  
4

F27172: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F27172

Accutest's Job Number:

Client: SM 571K2

Project: B-100

Date Received: 10-5-04

Time Received: 16:00

# of Coolers Received: 2

Cooler Temperatures: 32 30

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?

Yes  No

Chain of Custody Provided ?

Yes  No

COC Match Bottle Label ID's ?

Yes  No

Sample Labels Present on all bottles ?

Yes  No

All Analyses Marked On COC ?

Yes  No

Are All Bottles Intact ?

Yes  No

Samples Preserved Correctly ?

Yes  No

Correct Number of Containers Used ?

Yes  No

Sufficient Sample Volume ?

Yes  No

Trip Blank Provided ?

Yes  No

Trip Blank Intact ?

Yes  No

Trip Blank Matrix ?

Yes  No

Number of Encovers ?

Yes  No

Number of Soil Field Kits ?

Yes  No

Summary of Comments:

Signature: [Signature] Date: 10-5-04

Review Signature: \_\_\_\_\_

ASBD/HW 05/1/03



12/27/04

Technical Report for

S M Stoller

Star Center-B100

7030-226/Monthly Sampling

Accutest Job Number: F27895

Sampling Date: 11/02/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **22**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F27895

Star Center-B100

Project No: 7030-226/Monthly Sampling

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F27895-1	11/02/04	09:55 JPC	11/03/04	AQ	Ground Water	PIN12-RW01-N001
F27895-2	11/02/04	09:57 JPC	11/03/04	AQ	Ground Water	PIN12-RW02-N001
F27895-3	11/02/04	10:47 JPC	11/03/04	AQ	Ground Water	PIN12-TRTI-N001
F27895-4	11/02/04	10:55 JPC	11/03/04	AQ	Ground Water	PIN12-TRTE-N001

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F27895

**Site:** Star Center-B100

**Report Date** 11/16/2004

4 Samples were collected on 11/02/2004 and were received at Accutest on 11/03/2004 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F27895. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VM76

Samples F27894-1MS, F27894-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.

F27895-3: Sample was not preserved to a pH < 2.

F27895-4: Sample was not preserved to a pH < 2.

### Volatiles by GCMS By Method SW846 8260B

**Matrix:** AQ

**Batch ID:** VM74

All method blanks for this batch meet method specific criteria.

Samples F27869-1MS, F27869-1MSD were used as the QC samples indicated.

MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.

Blank Spike Recovery for 2-Chloroethyl vinyl ether is above control limits. The associated samples are non-detect. Data not adversely affected.

### Extractables by GCMS By Method EPA 625

**Matrix:** AQ

**Batch ID:** OP11786

Samples F27946-4MS, F27946-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recoveries for 3,3'-Dichlorobenzidine, Benzo(g,h,i)perylene, Benzoic Acid, Butyl benzyl phthalate, Chrysene are outside control limits. Probable cause due to matrix interference.

RPD for MS/MSD for Benzoic Acid are outside control limits for sample OP11786-MSD. Probable cause due to sample homogeneity.

Blank Spike Recovery for 3,3'-Dichlorobenzidine is above control limits. The associated samples are non-detect for this compound. Data not adversely affected.

Sample F27895-4, F27895-4 had surrogates below control limits. The low recoveries are confirmed by re-extraction and reanalysis. Probable cause due to matrix interference.

### Metals By Method SW846 6010B

**Matrix:** AQ

**Batch ID:** MP7381

Samples F27932-1DUP, F27932-1MS, F27932-1MSD, F27932-1SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: November 17, 2004

\_\_\_\_\_  
Sue O. Bell, Project Manager (signature on file)

## Report of Analysis

3.1  
3

<b>Client Sample ID:</b> PIN12-RW01-N001	<b>Date Sampled:</b> 11/02/04
<b>Lab Sample ID:</b> F27895-1	<b>Date Received:</b> 11/03/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Method:</b> SW846 8260B	
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001734.D	100	11/08/04	NJ	n/a	n/a	VM74
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	100	50	ug/l	
75-27-4	Bromodichloromethane	ND	100	50	ug/l	
75-25-2	Bromoform	ND	100	50	ug/l	
108-90-7	Chlorobenzene	ND	100	50	ug/l	
75-00-3	Chloroethane	ND	100	100	ug/l	
67-66-3	Chloroform	ND	100	50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	500	250	ug/l	
56-23-5	Carbon tetrachloride	ND	100	50	ug/l	
75-34-3	1,1-Dichloroethane	ND	100	50	ug/l	
75-35-4	1,1-Dichloroethylene	58.2	100	50	ug/l	J
107-06-2	1,2-Dichloroethane	ND	100	50	ug/l	
78-87-5	1,2-Dichloropropane	ND	100	50	ug/l	
124-48-1	Dibromochloromethane	ND	100	40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	100	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3810	100	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	100	30	ug/l	
541-73-1	m-Dichlorobenzene	ND	100	50	ug/l	
95-50-1	o-Dichlorobenzene	ND	100	50	ug/l	
106-46-7	p-Dichlorobenzene	ND	100	50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	65.6	100	50	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	100	30	ug/l	
100-41-4	Ethylbenzene	ND	100	50	ug/l	
74-83-9	Methyl bromide	ND	100	100	ug/l	
74-87-3	Methyl chloride	ND	100	100	ug/l	
75-09-2	Methylene chloride	ND	100	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	100	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	100	30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	100	50	ug/l	
127-18-4	Tetrachloroethylene	ND	100	50	ug/l	
108-88-3	Toluene	ND	100	50	ug/l	
79-01-6	Trichloroethylene	6160	100	50	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

31  
3

<b>Client Sample ID:</b> PIN12-RW01-N001	
<b>Lab Sample ID:</b> F27895-1	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	100	60	ug/l	
75-01-4	Vinyl chloride	904	100	50	ug/l	
	m,p-Xylene	ND	200	50	ug/l	
95-47-6	o-Xylene	ND	100	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		86-115%
17060-07-0	1,2-Dichloroethane-D4	103%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-RW02-N001	
<b>Lab Sample ID:</b> F27895-2	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001735.D	10	11/08/04	NJ	n/a	n/a	VM74
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	17.0	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	694	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	47.9	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	ND	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	284	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

32  
3

<b>Client Sample ID:</b> PIN12-RW02-N001	
<b>Lab Sample ID:</b> F27895-2	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	10	6.0	ug/l	
75-01-4	Vinyl chloride	80.5	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	107%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	
<b>Lab Sample ID:</b> F27895-3	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	M0001780.D	10	11/10/04	NJ	n/a	n/a	VM76
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	14.8	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	971	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	10.9	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	115	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	43.0	10	5.0	ug/l	
79-01-6	Trichloroethylene	576	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	PIN12-TRTI-N001	<b>Date Sampled:</b>	11/02/04
<b>Lab Sample ID:</b>	F27895-3	<b>Date Received:</b>	11/03/04
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	EPA 624		
<b>Project:</b>	Star Center-B100		

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	10	6.0	ug/l	
75-01-4	Vinyl chloride	210	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		73-126%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

(a) Sample was not preserved to a pH < 2.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001 <b>Lab Sample ID:</b> F27895-3 <b>Matrix:</b> AQ - Ground Water <b>Project:</b> Star Center-B100	<b>Date Sampled:</b> 11/02/04 <b>Date Received:</b> 11/03/04 <b>Percent Solids:</b> n/a
--	---

### Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	36500	300	48	ug/l	1	11/08/04	11/10/04 SM	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA4078

(2) Prep QC Batch: MP7381

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 B = Indicates a result > = MDL but < RL

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	<b>Date Sampled:</b> 11/02/04
<b>Lab Sample ID:</b> F27895-3	<b>Date Received:</b> 11/03/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	2370	4.0	mg/l	1	11/11/04	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F27895-4	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	M0001777.D	1	11/10/04	NJ	n/a	n/a	VM76
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.5	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	1.5	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	2.3	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F27895-4	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	106%		83-119%

(a) Sample was not preserved to a pH < 2.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F27895-4	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b> EPA 625 EPA 625	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	W023025.D	1	11/11/04	ME	11/09/04	OP11786	SW1200
Run #2 <sup>b</sup>	L024281.D	1	11/16/04	ME	11/12/04	OP11820	SL1279

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2	1050 ml	1.0 ml

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	14	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	ug/l	
86-74-8	Carbazole	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	PIN12-TRTE-N001	<b>Date Sampled:</b>	11/02/04
<b>Lab Sample ID:</b>	F27895-4	<b>Date Received:</b>	11/03/04
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	EPA 625 EPA 625		
<b>Project:</b>	Star Center-B100		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	9.5	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.95	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	1.9	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	20%	23%	19-90%
4165-62-2	Phenol-d5	14%	15%	10-68%
118-79-6	2,4,6-Tribromophenol	27%	41%	36-137%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001 <b>Lab Sample ID:</b> F27895-4 <b>Matrix:</b> AQ - Ground Water <b>Method:</b> EPA 625 EPA 625 <b>Project:</b> Star Center-B100	<b>Date Sampled:</b> 11/02/04 <b>Date Received:</b> 11/03/04 <b>Percent Solids:</b> n/a
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### ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	46%	40%	49-119%
321-60-8	2-Fluorobiphenyl	30%	30%	45-118%
1718-51-0	Terphenyl-d14	19%	18%	46-135%

- (a) Confirmed by re-extraction and reanalysis.
- (b) Confirmation run.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	<b>Date Sampled:</b> 11/02/04
<b>Lab Sample ID:</b> F27895-4	<b>Date Received:</b> 11/03/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	47800	300	48	ug/l	1	11/08/04	11/10/04 SM	SW846 6010B <sup>1</sup>	SW846 3010A <sup>2</sup>

(1) Instrument QC Batch: MA4078

(2) Prep QC Batch: MP7381

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
B = Indicates a result > = MDL but < RL

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	<b>Date Sampled:</b> 11/02/04
<b>Lab Sample ID:</b> F27895-4	<b>Date Received:</b> 11/03/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	2460	4.0	mg/l	1	11/11/04	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
ORLANDO, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: **F27895**  
ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES			
NAME: <u>S.M. Staller</u> ADDRESS: <u>7887 Bryan Dairy Rd, Suite 260</u> CITY: <u>Largo</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: PHONE # _____		PROJECT NAME: <u>STAR Center - Monthly sampling</u> PROJECT NO.: <u>B100</u> LOCATION: <u>7030-226</u> FAX #: _____				VOCs - 8260 VOCs - 624 SVOCs - 625 Fe + Hardness				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID			
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION						LAB USE ONLY		
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	NO	NO/0F	NO/0F	NO/0F		NONE	
1	PIN12-RW01-N001	11-02-04	0955	JPC	GW	3	3						
2	PIN12-RW02-N001		0957			3	3						
3	PIN12-TRTI-N001		1047			4	3	1					
4	PIN12-TRTE-N001		1055			6	3	1	2				

  

DATA TURNAROUND INFORMATION	DATA DELIVERABLE INFORMATION	COMMENTS/REMARKS
<input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____	

  

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY					
RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: <u>11-2-04 / 2:48</u>	RECEIVED BY: 1. _____	RELINQUISHED BY: 2. _____	DATE TIME: _____	RECEIVED BY: 2. _____
RELINQUISHED BY: 3. _____	DATE TIME: _____	RECEIVED BY: <u>[Signature]</u>	RELINQUISHED BY: 4. _____	DATE TIME: <u>11/3/04 2:50</u>	RECEIVED BY: _____
RELINQUISHED BY: 5. _____	DATE TIME: _____	RECEIVED BY: 5. _____	SEAL # _____	PRESERVE WHERE APPLICABLE <input type="checkbox"/>	ON ICE <input type="checkbox"/> TEMPERATURE <u>26 C</u>

4.1  
4

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Acctest's Job Number: **F27895**

Client: SM Stoller

Project: Star Center-monthly

Date Received: 11/3/04

Time Received: 5:45

# of Coolers Received: 1

Cooler Temperatures: 2.6

Delivery Method: FedEx UPS

Accutest Courier

Greyhound

Delivery

Other

Air Bill Number:

Cooler Custody Seals Intact ?

Yes

No

Chain of Custody Provided ?

Yes

No

COC Match Bottle Label IDs ?

Yes

No

Sample Labels Present on all bottles ?

Yes

No

All Analyses Marked On COC ?

Yes

No

Are All Bottles Intact ?

Yes

No

Samples Preserved Correctly ?

Yes

No

Correct Number of Containers Used ?

Yes

No

Sufficient Sample Volume ?

Yes

No

Trip Blank Provided ?

Yes

No

Trip Blank on COC ?

Yes

No

Trip Blank Intact ?

Yes

No

Trip Blank Matrix ?

Yes

No

Number of Encores ?

0

Soil

N/A

Number of Soil Field Kits ?

0

Water

N/A

Summary of Comments:

Signature: [Signature]

Date: 11/3/04

Review Signature: \_\_\_\_\_



12/27/04

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F27896

Sampling Date: 11/02/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **8**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F27896

Star Center-B100 Monthly/Effluent; Largo, FL  
Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F27896-1	11/02/04	10:57 JPC	11/03/04	AQ	Ground Water	PIN12-TRTE-N002*B100

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F27896

**Site:** Star Center-B100 Monthly/Effluent; Largo, FL

**Report Date** 11/11/2004

1 Sample was collected on 11/02/2004 and were received at Accutest on 11/03/2004 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F27896. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VM76

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F27894-1MS, F27894-1MSD were used as the QC samples indicated.

F27896-1: Sample was not preserved to a pH < 2.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: November 11, 2004

\_\_\_\_\_  
Sue O. Bell, Project Manager (signature on file)

## Report of Analysis

<b>Client Sample ID:</b>	PIN12-TRTE-N002*B100	
<b>Lab Sample ID:</b>	F27896-1	<b>Date Sampled:</b> 11/02/04
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b> 11/03/04
<b>Method:</b>	EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b>	Star Center-B100 Monthly/Effluent; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	M0001776.D	1	11/10/04	NJ	n/a	n/a	VM76
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene <sup>b</sup>	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	104%		83-119%

(a) Sample collected on 11/02/04 at 10:57.

(b) Sample was not preserved to a pH < 2.

ND = Not detected      MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
ORLANDO, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB # **F27896**  
ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES	
NAME: <u>S.M. Stoller</u> ADDRESS: <u>3887 Bryan Dairy Rd., Suite 260</u> CITY, STATE, ZIP: <u>Largo FL 33777</u>			PROJECT NAME: <u>STAR Center - Monthly effluent sampling</u> LOCATION: <u>B100</u> PROJECT NO.: <u>7030-226</u> FAX #: _____				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID				LAB USE ONLY	
SEND REPORT TO: PHONE # _____			COLLECTION: DATE, TIME, SAMPLED BY, MATRIX, # OF BOTTLES, PRESERVATION (HCl, HNO3, H2SO4, NONE)									
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	DATE	TIME	SAMPLED BY	MATRIX	# OF BOTTLES	HCl	HNO3	H2SO4	NONE		
1	PIN12-TRTE-N002 X B100	11-02-04	1057	JPC	GW	3	3					
DATA TURNAROUND INFORMATION <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED			DATA DELIVERABLE INFORMATION <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				COMMENTS/REMARKS <u>Benzene Xylenes</u> <u>Toluene Total VOA</u> <u>Ethylbenzene</u>					
<b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY</b>												
RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:							
<u>[Signature]</u>	<u>11-2-04/2:49</u>	1. _____	2. _____		2. _____							
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:							
3. _____		3. <u>[Signature]</u>	4. _____	<u>11/03/04 2:50</u>	4. _____							
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE		ON ICE		TEMPERATURE				
5. _____		5. _____		<input type="checkbox"/>	<input type="checkbox"/>	<u>26 C</u>						

4.1 4

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F27896

Accutest's Job Number:

Client: S.M. Stoller Project: Star Center

Date Received: 11/3/04 Time Received: 5:45

# of Coolers Received: 1 Cooler Temperatures: 26

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact?  Yes  No

Chain of Custody Provided?  Yes  No

COC Match Bottle Label ID's?  Yes  No

Sample Labels Present on all bottles?  Yes  No

All Analyses Marked On COC?  Yes  No

Are All Bottles Intact?  Yes  No

Samples Preserved Correctly?  Yes  No

Correct Number of Containers Used?  Yes  No

Sufficient Sample Volume?  Yes  No

Trip Blank Provided?  Yes  No

Trip Blank on COC?  Yes  No

Trip Blank Intact?  Yes  No

Trip Blank Matrix?  Yes  No

Number of Encores?  Soil  Water  N/A

Number of Soil Field Kits?  0

Summary of Comments:

Signature: [Signature] Date: 11/3/04

Review Signature: \_\_\_\_\_



12/27/04

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F28228

Sampling Date: 11/17/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: 9



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F28228

Star Center-B100 Monthly/Effluent; Largo, FL  
Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F28228-1	11/17/04	08:57 JPC	11/17/04	AQ	Ground Water	PIN12-TRTE-N002*B100

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F28228

**Site:** Star Center-B100 Monthly/Effluent; Largo, FL

**Report Date** 11/19/2004

1 Sample was collected on 11/17/2004 and were received at Accutest on 11/17/2004 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F28228. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VM85

All method blanks for this batch meet method specific criteria.

Samples F28228-1MS, F28228-1MSD were used as the QC samples indicated.

F28228-1: Sample was treated with an anti-foaming agent.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

\_\_\_\_\_  
Sue O. Bell, Project Manager (signature on file)

Date: November 19, 2004



## Report of Analysis

3.1  
3

<b>Client Sample ID:</b> PIN12-TRTE-N002*B100		<b>Date Sampled:</b> 11/17/04
<b>Lab Sample ID:</b> F28228-1		<b>Date Received:</b> 11/17/04
<b>Matrix:</b> AQ - Ground Water		<b>Percent Solids:</b> n/a
<b>Method:</b> EPA 624		
<b>Project:</b> Star Center-B100 Monthly/Effluent; Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	M0001965.D	1	11/17/04	NJ	n/a	n/a	VM85
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

### Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene <sup>b</sup>	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	101%		73-126%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	106%		83-119%

- (a) Sample collected on 11/17/04 at 08:57.  
 (b) Sample was treated with an anti-foaming agent.

---

ND = Not detected      MDL - Method Detection Limit      J = Indicates an estimated value  
 RL = Reporting Limit      B = Indicates analyte found in associated method blank  
 E = Indicates value exceeds calibration range      N = Indicates presumptive evidence of a compound

## Misc. Forms

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### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody



# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
ORLANDO, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: **F28228**  
ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX CODES
NAME: <u>S.M. Stoller</u> ADDRESS: <u>3897 Bryan Dairy Rd, Suite 260</u> CITY: <u>Largo</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: PHONE # _____		PROJECT NAME: <u>STAR Center - Monthly effluent sample</u> LOCATION: <u>B100</u> PROJECT NO.: <u>7030-226</u> FAX #: _____				(Vertical text: BTEX, Total VOA)										DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION							LAB USE ONLY				
		DATE	TIME	SAMPLED BY:	MATRIX	NO. BOTTLES	HC	HCOR	HCOC	HCOCB	NOX					
1	PIN12-TRTE-N002 * B100	11-17-04	0857	JPC	GW	3	3									
DATA TURNAROUND INFORMATION <input type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input checked="" type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		DATA DELIVERABLE INFORMATION <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				COMMENTS/REMARKS 24-hr turnaround requested Benzene Ethylbenzene Toluene Xylene Total VOAs										
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																
RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	
1. <u>J.P. Lee</u>	11-17-04	1. <u>Stoller</u>	11-17-04	2. <u>Accutest</u>	11-17-04	2. <u>Stoller</u>	11-17-04	3. <u>Accutest</u>	11-17-04	3. <u>Stoller</u>	11-17-04	4. <u>Accutest</u>	11-17-04	4. <u>Stoller</u>	11-17-04	
3.		3.		4.		4.		5.		5.		SEAL #	PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE	
5.		5.													3.8 C	

4.1  
4

F28228: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F28228

Accutest's Job Number: \_\_\_\_\_

Client: SM Steller

Project: Star Center - monthly Effluent

Date Received: 11-17-04

Time Received: \_\_\_\_\_

Site  
11-17-04 15:30

# of Coolers Received: 1

Cooler Temperatures: \_\_\_\_\_

3.6

Delivery Method: FEDEX

UPS Accutest Courier

Greyhound Delivery Other

Air Bill Number: \_\_\_\_\_

Cooler Custody Seals Intact ?

Yes  No

Chain of Custody Provided ?

Yes  No

COC Match Bottle Label IDs ?

Yes  No

Sample Labels Present on all bottles ?

Yes  No

All Analyses Marked On COC ?

Yes  No

Are All Bottles Intact ?

Yes  No

Samples Preserved Correctly ?

Yes  No

Correct Number of Containers Used ?

Yes  No

Sufficient Sample Volume ?

Yes  No

Trip Blank Provided ?

Yes  No

Trip Blank on COC ?

Yes  No

Trip Blank Intact ?

Yes  No

Trip Blank Matrix ?

Yes  No

Number of Encores ?

Yes  No

Number of Soil Field Kits ?

Yes  No

Summary of Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature: [Signature]

Review Signature: \_\_\_\_\_

Date: 11-17-04



12/27/04

Technical Report for

S M Stoller

Star Center-B100

7030-226/Monthly

Accutest Job Number: F28229

Sampling Date: 11/17/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **13**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F28229

Star Center-B100

Project No: 7030-226/Monthly

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F28229-1	11/17/04	08:50 JPC	11/17/04	AQ	Ground Water	PIN12-TRTI-N001
F28229-2	11/17/04	08:55 JPC	11/17/04	AQ	Ground Water	PIN12-TRTE-N001

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F28229

**Site:** Star Center-B100

**Report Date** 11/19/2004

2 Samples were collected on 11/17/2004 and were received at Accutest on 11/17/2004 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F28229. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VM86

Samples F28229-2MS, F28229-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Duplicate Recovery for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.

RPDs for MS/MSD for 2-Chloroethyl vinyl ether, Chloroethane, Dichlorodifluoromethane, Methyl bromide, Methyl Tert Butyl Ether are outside control limits for sample F28229-2MSD, F28229-2MSD. Probable cause due to sample homogeneity.

F28229-1: Sample was treated with an anti-foaming agent.

F28229-2: Sample was treated with an anti-foaming agent.

F28229-1 for Methylene chloride: Suspected laboratory contaminant. The Method Blank was clean, however a 10X dilution was performed. When low level hits of Methylene Chloride are detected in a diluted run, it can be suspected it may be from the dilution water reservoir. The data is therefore footnoted..

### Wet Chemistry By Method EPA 310.1

**Matrix:** AQ

**Batch ID:** GN16190

Samples F27959-1DUP, F27959-1MS, F27959-1MSD were used as the QC samples for Alkalinity, Total as CaCO<sub>3</sub>, Alkalinity, Total as CaCO<sub>3</sub>.

All method blanks for this batch meet method specific criteria.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: November 19, 2004

\_\_\_\_\_  
Sue O. Bell, Project Manager (signature on file)

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	
<b>Lab Sample ID:</b> F28229-1	<b>Date Sampled:</b> 11/17/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/17/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	M0001975.D	10	11/18/04	NJ	n/a	n/a	VM86
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	392	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	8.9	10	5.0	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride <sup>b</sup>	19.1	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	52.7	10	5.0	ug/l	
79-01-6	Trichloroethylene	443	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

3.1  
3

<b>Client Sample ID:</b> PIN12-TRTI-N001	
<b>Lab Sample ID:</b> F28229-1	<b>Date Sampled:</b> 11/17/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/17/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	10	6.0	ug/l	
75-01-4	Vinyl chloride	54.4	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		73-126%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	105%		83-119%

(a) Sample was treated with an anti-foaming agent.

(b) Suspected laboratory contaminant.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

31  
3

<b>Client Sample ID:</b> PIN12-TRTI-N001 <b>Lab Sample ID:</b> F28229-1 <b>Matrix:</b> AQ - Ground Water <b>Project:</b> Star Center-B100	<b>Date Sampled:</b> 11/17/04 <b>Date Received:</b> 11/17/04 <b>Percent Solids:</b> n/a
--	---

### General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	274	5.0	2.5	mg/l	1	11/18/04	SM	EPA 310.1
pH	8.0			su	1	11/17/04 17:00	LE	EPA 150.1

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 B = Indicates a result > = MDL but < RL



## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F28229-2	<b>Date Sampled:</b> 11/17/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 11/17/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

**VOA Special List**

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		73-126%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	107%		83-119%

(a) Sample was treated with an anti-foaming agent.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	<b>Date Sampled:</b> 11/17/04
<b>Lab Sample ID:</b> F28229-2	<b>Date Received:</b> 11/17/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Alkalinity, Total as CaCO3	300	5.0	2.5	mg/l	1	11/18/04	SM	EPA 310.1
pH	8.4			su	1	11/17/04 17:00	LE	EPA 150.1

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
B = Indicates a result > = MDL but < RL

## Misc. Forms

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### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
ORLANDO, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: **F28229**

ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION			ANALYTICAL INFORMATION			MATRIX CODES			
NAME: <u>S.M. Stoller</u> ADDRESS: <u>7887 Bryan Dairy Rd, Suite 260</u> CITY: <u>Large</u> STATE: <u>FL</u> ZIP: <u>33377</u>			PROJECT NAME: <u>STAR Center - Monthly sampling</u> LOCATION: <u>8100 7030-226</u> PROJECT NO.: _____ FAX #: _____			VOCs - 624 pH + Alkalinity			DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE LIQ - OTHER LIQUID SOL - OTHER SOLID			
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION			LAB USE ONLY				
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	HCl				NO <sub>2</sub>	PHOS
1	PIN12-TRTE-N001	11-17-04	0850	JPC	GW	4	3			1	3	1
2	PIN12-TRTE-N001	11-17-04	0855	JPC	GW	4	3			1	3	1
DATA TURNAROUND INFORMATION <input type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input checked="" type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED			APPROVED BY: _____ <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____			COMMENTS/REMARKS <u>24-hr turnaround requested</u>						
RELINQUISHED BY SAMPLER: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____ RELINQUISHED BY: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____ RELINQUISHED BY: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____ RELINQUISHED BY: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____ RECEIVED BY: _____ DATE TIME: _____												
SEAL # _____ PRESERVE WHERE APPLICABLE <input type="checkbox"/> ON ICE <input type="checkbox"/> TEMPERATURE <u>3.4</u> C												

4.1  
4

F28229: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F28229

Accutest's Job Number: \_\_\_\_\_

Client: S.M. Stalker

Project: Sher Center - Monthly Sampling

Date Received: 11-17-04 Time Received: 15:30

# of Coolers Received: 1 Cooler Temperature: 3.8

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number: \_\_\_\_\_

Cooler Custody Seals Intact?  Yes  No

Chain of Custody Provided?  Yes  No

COC Match Bottle Label ID's?  Yes  No

Sample Labels Present on all bottles?  Yes  No

All Analyses Marked On COC?  Yes  No

Are All Bottles Intact?  Yes  No

Samples Preserved Correctly?  Yes  No

Correct Number of Containers Used?  Yes  No

Sufficient Sample Volume?  Yes  No

Trip Blank Provided?  Yes  No

Trip Blank on COC?  Yes  No

Trip Blank Intact?  Yes  No

Trip Blank Matrix?  Yes  No

Number of Encores?  Yes  No

Number of Soil Field Kits?  Yes  No

Summary of Comments: \_\_\_\_\_

\_\_\_\_\_

Signature: [Signature] Date: 11-17-04

Review Signature: \_\_\_\_\_

ASBD/HW 05/17/03



12/27/04

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F28652

Sampling Date: 12/07/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: 8



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F28652

Star Center-B100 Monthly/Effluent; Largo, FL  
Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F28652-1	12/07/04	11:03 JPC	12/08/04	AQ	Ground Water	PIN12-TRTE-N002*B100

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F28652

**Site:** Star Center-B100 Monthly/Effluent; Largo, FL

**Report Date** 12/17/2004

1 Sample was collected on 12/07/2004 and were received at Accutest on 12/08/2004 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F28652. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VJ528

All method blanks for this batch meet method specific criteria.

Samples F28653-4MS, F28653-4MSD were used as the QC samples indicated.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: December 17, 2004

\_\_\_\_\_  
Sue O. Bell, Project Manager (signature on file)

## Report of Analysis

<b>Client Sample ID:</b>	PIN12-TRTE-N002*B100		
<b>Lab Sample ID:</b>	F28652-1	<b>Date Sampled:</b>	12/07/04
<b>Matrix:</b>	AQ - Ground Water	<b>Date Received:</b>	12/08/04
<b>Method:</b>	EPA 624	<b>Percent Solids:</b>	n/a
<b>Project:</b>	Star Center-B100 Monthly/Effluent; Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 <sup>a</sup>	J012595.D	1	12/10/04	RM	n/a	n/a	VJ528
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## Purgeable Aromatics

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		86-115%
17060-07-0	1,2-Dichloroethane-D4	117%		73-126%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	109%		83-119%

(a) Sample collected on 12/07/04 at 11:03.

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Misc. Forms

---

### Custody Documents and Other Forms

---

Includes the following where applicable:

- Chain of Custody



ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number:

**F28652**

Client: S.M. Stoller

Project: State Center - monthly

Date Received: 12-8-07

Time Received: 18:10

# of Coolers Received: 1

Cooler Temperatures: 3.2

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?

Yes  No

Chain of Custody Provided ?

Yes  No

COC Match Bottle Label ID's ?

Yes  No

Sample Labels Present on all bottles ?

Yes  No

All Analyses Marked On COC ?

Yes  No

Are All Bottles Intact ?

Yes  No

Samples Preserved Correctly ?

Yes  No

Correct Number of Containers Used ?

Yes  No

Sufficient Sample Volume ?

Yes  No

Trip Blank Provided ?

Yes  No

Trip Blank on COC ?

Yes  No

Trip Blank Intact ?

Yes  No

Trip Blank Matrix ?

Soil  Yes  No

Number of Encores ?

Water  N/A  N/A

Number of Soil Field Kits ?

0

Summary of Comments:

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature: [Signature] Date: 12-8-07

Review Signature: \_\_\_\_\_



01/05/05

Technical Report for

S M Stoller

Star Center-B100

7030-226/Monthly

Accutest Job Number: F28655

Sampling Date: 12/07/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **23**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

  
Harry Behzadi, Ph.D.  
Laboratory Director

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK  
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## Sample Summary

S M Stoller

Job No: F28655

Star Center-B100

Project No: 7030-226/Monthly

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F28655-1	12/07/04	09:50 JPC	12/08/04	AQ	Ground Water	PIN12-RW01-N001
F28655-2	12/07/04	09:52 JPC	12/08/04	AQ	Ground Water	PIN12-RW02-N001
F28655-3	12/07/04	10:57 JPC	12/08/04	AQ	Ground Water	PIN12-TRTI-N001
F28655-4	12/07/04	11:00 JPC	12/08/04	AQ	Ground Water	PIN12-TRTE-N001

## SAMPLE DELIVERY GROUP CASE NARRATIVE

**Client:** S M Stoller

**Job No:** F28655

**Site:** Star Center-B100

**Report Date** 12/23/2004

4 Samples were collected on 12/07/2004 and were received at Accutest on 12/08/2004 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F28655. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

### Volatiles by GCMS By Method EPA 624

**Matrix:** AQ

**Batch ID:** VJ528

Samples F28653-4MS, F28653-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. The Blank Spike was within limits. Data not adversely affected.

**Matrix:** AQ

**Batch ID:** VJ530

Samples F28655-3MS, F28655-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recoveries for 2-Chloroethyl vinyl ether, Methyl bromide are outside control limits. The Blank Spike was within limits. Data not adversely affected.

### Volatiles by GCMS By Method SW846 8260B

**Matrix:** AQ

**Batch ID:** VJ535

Samples F28667-8MS, F28667-8MSD were used as the QC samples indicated.

MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. The Blank Spike was within limits. Data not adversely affected.

**Matrix:** AQ

**Batch ID:** VJ536

All method blanks for this batch meet method specific criteria.

Samples F28648-3MS, F28648-3MSD were used as the QC samples indicated.

MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. The Blank Spike was within limits. Data not adversely affected.

### Extractables by GCMS By Method EPA 625

**Matrix:** AQ

**Batch ID:** OP12072

All method blanks for this batch meet method specific criteria.

Samples F28690-2MS, F28690-2MSD were used as the QC samples indicated.

RPDs for MS/MSD for 4-Nitrophenol, Benzoic Acid, Phenol are outside control limits for sample OP12072-MSD, OP12072-MSD. Probable cause due to sample homogeneity. The Blank Spike was within limits. Data not adversely affected.

### Metals By Method SW846 6010B

**Matrix:** AQ

**Batch ID:** MP7509

All method blanks for this batch meet method specific criteria.

Samples F28656-1DUP, F28656-1MS, F28656-1MSD, F28656-1SDL were used as the QC samples for metals.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.  
Narrative prepared by:

Date: December 23, 2004

\_\_\_\_\_  
Sue O. Bell, Project Manager (signature on file)

## Report of Analysis

<b>Client Sample ID:</b> PIN12-RW01-N001	
<b>Lab Sample ID:</b> F28655-1	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J012707.D	1	12/15/04	RM	n/a	n/a	VJ535
Run #2	J012733.D	100	12/16/04	RM	n/a	n/a	VJ536

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.59	1.0	0.50	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.6	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	5.2	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	46.6	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2070 <sup>a</sup>	100	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	55.3	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	8.0	1.0	0.50	ug/l	
108-88-3	Toluene	2.3	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	3940 <sup>a</sup>	100	50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-RW01-N001	
<b>Lab Sample ID:</b> F28655-1	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	543 <sup>a</sup>	100	50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	73-126%
2037-26-5	Toluene-D8	105%	104%	86-112%
460-00-4	4-Bromofluorobenzene	106%	108%	83-119%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-RW02-N001	
<b>Lab Sample ID:</b> F28655-2	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J012731.D	10	12/16/04	RM	n/a	n/a	VJ536
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	20.7	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	647	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	55.8	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	ND	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	480	10	5.0	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-RW02-N001	
<b>Lab Sample ID:</b> F28655-2	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> SW846 8260B	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	10	6.0	ug/l	
75-01-4	Vinyl chloride	78.0	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	105%		73-126%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	109%		83-119%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	
<b>Lab Sample ID:</b> F28655-3	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J012597.D	1	12/10/04	RM	n/a	n/a	VJ528
Run #2	J012632.D	20	12/10/04	RM	n/a	n/a	VJ530

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	13.1	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	502 <sup>a</sup>	20	10	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	5.9	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	1.7	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	16.1	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1020 <sup>a</sup>	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	32.0	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	1.7	1.0	0.50	ug/l	
108-88-3	Toluene	1.2	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	955 <sup>a</sup>	20	10	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	
<b>Lab Sample ID:</b> F28655-3	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	153 <sup>a</sup>	20	10	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	104%	86-115%
17060-07-0	1,2-Dichloroethane-D4	116%	117%	73-126%
2037-26-5	Toluene-D8	101%	101%	86-112%
460-00-4	4-Bromofluorobenzene	109%	110%	83-119%

(a) Result is from Run# 2

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	<b>Date Sampled:</b> 12/07/04
<b>Lab Sample ID:</b> F28655-3	<b>Date Received:</b> 12/08/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	4100	300	48	ug/l	1	12/13/04	12/13/04 SM	SW846 6010B <sup>1</sup>	SW846 3020A <sup>2</sup>

(1) Instrument QC Batch: MA4137

(2) Prep QC Batch: MP7509

RL = Reporting Limit  
 MDL = Method Detection Limit

U = Indicates a result < MDL  
 B = Indicates a result > = MDL but < RL

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTI-N001	<b>Date Sampled:</b> 12/07/04
<b>Lab Sample ID:</b> F28655-3	<b>Date Received:</b> 12/08/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	347	4.0	mg/l	1	12/22/04	SM	SW846 6010B/SM 2340B

RL = Reporting Limit

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F28655-4	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J012630.D	20	12/10/04	RM	n/a	n/a	VJ530
Run #2							

Run #	Purge Volume
Run #1	5.0 ml
Run #2	

### VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	20	10	ug/l	
75-27-4	Bromodichloromethane	ND	20	10	ug/l	
75-25-2	Bromoform	ND	20	10	ug/l	
108-90-7	Chlorobenzene	ND	20	10	ug/l	
75-00-3	Chloroethane	ND	20	20	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	100	50	ug/l	
56-23-5	Carbon tetrachloride	ND	20	10	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	10	ug/l	
75-35-4	1,1-Dichloroethylene	ND	20	10	ug/l	
107-06-2	1,2-Dichloroethane	ND	20	10	ug/l	
78-87-5	1,2-Dichloropropane	ND	20	10	ug/l	
124-48-1	Dibromochloromethane	ND	20	8.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	44.2	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	20	6.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	20	10	ug/l	
95-50-1	o-Dichlorobenzene	ND	20	10	ug/l	
106-46-7	p-Dichlorobenzene	ND	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	20	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.0	ug/l	
100-41-4	Ethylbenzene	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	20	20	ug/l	
74-87-3	Methyl chloride	ND	20	20	ug/l	
75-09-2	Methylene chloride	ND	20	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	10	ug/l	
127-18-4	Tetrachloroethylene	ND	20	10	ug/l	
108-88-3	Toluene	ND	20	10	ug/l	
79-01-6	Trichloroethylene	ND	20	10	ug/l	

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F28655-4	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> EPA 624	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

## VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	20	12	ug/l	
75-01-4	Vinyl chloride	61.7	20	10	ug/l	
	m,p-Xylene	ND	40	10	ug/l	
95-47-6	o-Xylene	ND	20	10	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		86-115%
17060-07-0	1,2-Dichloroethane-D4	118%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	109%		83-119%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F28655-4	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> EPA 625 EPA 625	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L024523.D	1	12/14/04	ME	12/14/04	OP12072	SL1294
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1040 ml	1.0 ml
Run #2		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	14	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	3.5	4.8	1.9	ug/l	J
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	2.9	ug/l	
86-74-8	Carbazole	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b>	PIN12-TRTE-N001	<b>Date Sampled:</b>	12/07/04
<b>Lab Sample ID:</b>	F28655-4	<b>Date Received:</b>	12/08/04
<b>Matrix:</b>	AQ - Ground Water	<b>Percent Solids:</b>	n/a
<b>Method:</b>	EPA 625 EPA 625		
<b>Project:</b>	Star Center-B100		

## ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	1.9	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	87%		36-137%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	
<b>Lab Sample ID:</b> F28655-4	<b>Date Sampled:</b> 12/07/04
<b>Matrix:</b> AQ - Ground Water	<b>Date Received:</b> 12/08/04
<b>Method:</b> EPA 625 EPA 625	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	67%		49-119%
321-60-8	2-Fluorobiphenyl	76%		45-118%
1718-51-0	Terphenyl-d14	69%		46-135%

ND = Not detected      MDL - Method Detection Limit  
 RL = Reporting Limit  
 E = Indicates value exceeds calibration range

J = Indicates an estimated value  
 B = Indicates analyte found in associated method blank  
 N = Indicates presumptive evidence of a compound

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	<b>Date Sampled:</b> 12/07/04
<b>Lab Sample ID:</b> F28655-4	<b>Date Received:</b> 12/08/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	4150	300	48	ug/l	1	12/13/04	12/13/04 SM	SW846 6010B <sup>1</sup>	SW846 3020A <sup>2</sup>

(1) Instrument QC Batch: MA4137

(2) Prep QC Batch: MP7509

RL = Reporting Limit  
MDL = Method Detection Limit

U = Indicates a result < MDL  
B = Indicates a result > = MDL but < RL

## Report of Analysis

<b>Client Sample ID:</b> PIN12-TRTE-N001	<b>Date Sampled:</b> 12/07/04
<b>Lab Sample ID:</b> F28655-4	<b>Date Received:</b> 12/08/04
<b>Matrix:</b> AQ - Ground Water	<b>Percent Solids:</b> n/a
<b>Project:</b> Star Center-B100	

### General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	359	4.0	mg/l	1	12/22/04	SM	SW846 6010B/SM 2340B

RL = Reporting Limit

## Misc. Forms

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### Custody Documents and Other Forms

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Includes the following where applicable:

- Chain of Custody

# CHAIN OF CUSTODY

4405 VINELAND ROAD • SUITE C-15  
ORLANDO, FL 32811  
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #:  
**F28655**

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX
NAME: <u>S.M. Stoller</u> ADDRESS: <u>3887 Bryan Dairy Rd., Suite 260</u> <u>Large</u> <u>FL</u> <u>33777</u> CITY: _____ STATE: _____ ZIP: _____ SEND REPORT TO: _____ PHONE # _____		PROJECT NAME: <u>STAR Center - Monthly Sampling</u> PROJECT NO: <u>B100</u> LOCATION: <u>7030-226</u> PROJECT NO: _____ FAX # _____				VOC - 8260 VOC - 624 SVOC - 625 Fe + Hardness										DW - DW GW - GW WW - WW SO - SC SL - SL LIQ - LIQ U - U SOL - SOL SC
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION				MATRIX	# OF BOTTLES	PRESERVATION				VOC - 8260	VOC - 624	SVOC - 625	Fe + Hardness	LAB USE
		DATE	TIME	SAMPLED BY:				HC	HW	HS	MS					
①	PIN12-RW01-N001	12-7-04	0950	JPC	GW		3					3				
②	PIN12-RW02-N001	↓	0952	↓	↓		3					3				
③	PIN12-TRT1-N001	↓	1057	↓	↓		3	1				3	1			
④	PIN12-TRT2-N001	↓	1100	↓	↓		3	1	2			3	2	1		
<b>DATA TURNAROUND INFORMATION</b> <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		<b>DATA DELIVERABLE INFORMATION</b> <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				<b>COMMENTS/REMARKS</b>    										
<b>SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY</b>																
RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:											
1. <u>JPC</u>	12-07/2004	1. <u>[Signature]</u>	2. <u>[Signature]</u>	12-8-04	2. <u>[Signature]</u>											
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:											
3. _____		3. _____	4. _____		4. _____											
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	SEAL #	PRESERVE WHERE APPLICABLE		ON ICE		TEMPERATURE								
5. _____		5. _____	3-2	<input type="checkbox"/>		<input type="checkbox"/>										

4.1  
4

LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F28655

Accutest's Job Number:

Client: S.M. Stoller

Project: State Center

Date Received: 12-8-04

Time Received: 18:00

# of Coolers Received: 1

Cooler Temperature: 3.2

Delivery Method: FedEx UPS

Accutest Courier

Greyhound

Delivery

Other

Air Bill Number:

Cooler Custody Seals Intact ?

Yes  No

Chain of Custody Provided ?

Yes  No

COC Match Bottle Label ID's ?

Yes  No

Sample Labels Present on all bottles ?

Yes  No

All Analyses Marked On COC ?

Yes  No

Are All Bottles Intact ?

Yes  No

Samples Preserved Correctly ?

Yes  No

Correct Number of Containers Used ?

Yes  No

Sufficient Sample Volume ?

Yes  No

Trip Blank Provided ?

Yes  No

Trip Blank on COC ?

Yes  No

Trip Blank Intact ?

Yes  No

Trip Blank Matrix ?

Yes  No

Number of Encores ?

Yes  No

Number of Soil Field Kits ?

Yes  No

Summary of Comments:

*[Handwritten signature]*

Signature: *[Handwritten signature]*

Date: 12-8-04

Review Signature:

ASBD 12/30/03