



07/15/05

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F30882

Sampling Date: 04/06/05

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: F30882

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

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F30882-1	04/06/05	09:12 JPC	04/06/05	AQ	Ground Water	PIN12-TRTE-N002*B100

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F30882

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

Report Date 4/18/2005

1 Sample was collected on 04/06/2005 and was received at Accutest on 04/06/2005 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F30882. 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: VB1239

Samples F30883-3MS, F30883-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F30882-1: Sample collected on 04/06/05 at 09:12.

F30882-1 for Benzene: 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: April 19, 2005

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

Report of Analysis

3.1
3

Client Sample ID: PIN12-TRTE-N002*B100	
Lab Sample ID: F30882-1	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100 Monthly/Effluent; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B028823.D	1	04/13/05	KW	n/a	n/a	VB1239
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 ^b	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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	110%		83-119%

- (a) Sample collected on 04/06/05 at 09:12.
 (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 #: **F30882**
ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION						ANALYTICAL INFORMATION										MATRIX CODES		
NAME: <u>S. M. Steller</u> ADDRESS: <u>7887 Bryan Dairy Rd., Suite 260</u> <u>Largo</u> <u>FL</u> <u>33777</u> CITY, STATE ZIP SEND REPORT TO: _____ PHONE # _____			PROJECT NAME: <u>STAR Center - Monthly effluent sample</u> PROJECT NO.: <u>B100</u> LOCATION: <u>7030-226</u> PROJECT NO.: _____ FAX # _____						(Vertical text: BTEX, Total VOCs, (by 624))										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	HQ	INDI	INDI	INDI	INDI	INDI	INDI	INDI	INDI	INDI	INDI	INDI	INDI	INDI	
1	PIN12-TRTE-N002 * B100	4-6-05	0912	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</u> <u>Xylenes</u> <u>Toluene</u> <u>Total VOCs</u> <u>Ethylbenzene</u>												
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																					
RELINQUISHED BY: <u>[Signature]</u>		DATE TIME: <u>4-6-05</u>		RECEIVED BY: <u>[Signature]</u>		DATE TIME: <u>4-6-05 13:38</u>		RELINQUISHED BY: <u>[Signature]</u>		DATE TIME: _____		RECEIVED BY: <u>[Signature]</u>		DATE TIME: _____		RELINQUISHED BY: _____		DATE TIME: _____		RECEIVED BY: _____	
3.				3.				4.				4.				5.				5.	
																				SEAL # _____ PRESERVE WHERE APPLICABLE <input type="checkbox"/> ON ICE <input type="checkbox"/> TEMPERATURE <u>3.0</u> C	

4.1 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F30881 CLIENT: S.M. Stoller PROJECT: Star Center
DATE/TIME RECEIVED: 4-6-05 / 17:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT/INTACT
- NO COC RECEIVED
- ANALYSES NOT MARKED ON COC
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SOIL INFORMATION

NUMBER OF ENCORES ? 2
NUMBER OF 5035 FIELD KITS ? 2

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

- SAMPLE LABELS PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- SAMPLE RECEIVED PAST HOLD TIME
- TIMES ON COC DON'T MATCH LABEL
- ID'S ON COC DON'T MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED

TECHNICIAN SIGNATURE/DATE Steven Perry / 4-6-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05

4.1
4



07/15/05

Technical Report for

S M Stoller

Star Center-B100

7030-226

Accutest Job Number: F30883

Sampling Dates: 04/05/05 - 04/06/05

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: F30883

Star Center-B100

Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F30883-1	04/05/05	13:41 JPC	04/06/05	AQ	Ground Water	PIN12-RW01-N001
F30883-2	04/05/05	13:43 JPC	04/06/05	AQ	Ground Water	PIN12-RW02-N001
F30883-3	04/06/05	09:01 JPC	04/06/05	AQ	Ground Water	PIN12-TRTI-N001
F30883-4	04/06/05	09:10 JPC	04/06/05	AQ	Ground Water	PIN12-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F30883

Site: Star Center-B100

Report Date 4/21/2005

4 Samples were collected on between 04/05/2005 and 04/06/2005 and were received at Accutest on 04/06/2005 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F30883.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: VB1239

Samples F30883-3MS, F30883-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

F30883-4: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VC1293

Sample(s) F30854-3MS, F30854-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

Extractables by GCMS By Method EPA 625

Matrix: AQ

Batch ID: OP12946

All method blanks for this batch meet method specific criteria.

Samples F30883-4MS, F30883-4MSD were used as the QC samples indicated.

RPD for MSD for 3,3'-Dichlorobenzidine is outside control limits for sample OP12946-MSD. Probable cause due to sample homogeneity. Blank Spike was within limits. Data not adversely affected.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP7886

All method blanks for this batch meet method specific criteria.

Samples F30871-1DUP, F30871-1MS, F30871-1MSD, F30871-1SDL 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:

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

Date: April 21, 2005

Report of Analysis

Client Sample ID: PIN12-RW01-N001	
Lab Sample ID: F30883-1	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0031540.D	100	04/14/05	KW	n/a	n/a	VC1293
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	200	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	2770	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	200	100	ug/l	
74-87-3	Methyl chloride	ND	200	100	ug/l	
75-09-2	Methylene chloride	ND	500	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	4390	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

3.1
3

Client Sample ID: PIN12-RW01-N001	
Lab Sample ID: F30883-1	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	200	60	ug/l	
75-01-4	Vinyl chloride	996	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	93%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	103%		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

Client Sample ID: PIN12-RW02-N001	
Lab Sample ID: F30883-2	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0031541.D	10	04/14/05	KW	n/a	n/a	VC1293
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	20	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	13.6	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	556	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	42.6	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	20	10	ug/l	
74-87-3	Methyl chloride	ND	20	10	ug/l	
75-09-2	Methylene chloride	ND	50	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	298	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

Client Sample ID: PIN12-RW02-N001	
Lab Sample ID: F30883-2	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	20	6.0	ug/l	
75-01-4	Vinyl chloride	89.4	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	95%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	102%		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

Client Sample ID: PIN12-TRTI-N001	
Lab Sample ID: F30883-3	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B028816.D	20	04/12/05	KW	n/a	n/a	VB1239
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	40	20	ug/l	
67-66-3	Chloroform	326	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	10.9	20	10	ug/l	J
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	1300	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	25.5	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	40	20	ug/l	
74-87-3	Methyl chloride	ND	40	20	ug/l	
75-09-2	Methylene chloride	ND	100	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	987	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

Client Sample ID: PIN12-TRTI-N001	
Lab Sample ID: F30883-3	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	40	12	ug/l	
75-01-4	Vinyl chloride	150	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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	101%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	104%		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

Client Sample ID: PIN12-TRTI-N001	Date Sampled: 04/06/05
Lab Sample ID: F30883-3	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	4970	300	48	ug/l	1	04/11/05	04/13/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4289

(2) Prep QC Batch: MP7886

RL = Reporting Limit
 MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN12-TRTI-N001	Date Sampled: 04/06/05
Lab Sample ID: F30883-3	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	370	4.0	mg/l	1	04/21/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F30883-4	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B028819.D	1	04/13/05	KW	n/a	n/a	VB1239
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	0.53	1.0	0.50	ug/l	J
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	2.0	1.0	ug/l	
67-66-3	Chloroform	7.0	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	1.6	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F30883-4	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	98%		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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F30883-4	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Star Center-B100	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F009065.D	1	04/11/05	NJ	04/09/05	OP12946	SF524
Run #2							

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

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.5	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	5.9	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	3.8	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

Client Sample ID:	PIN12-TRTE-N001	Date Sampled:	04/06/05
Lab Sample ID:	F30883-4	Date Received:	04/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625		
Project:	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	9.5	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.5	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.5	3.8	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	42%		19-90%
4165-62-2	Phenol-d5	27%		10-68%
118-79-6	2,4,6-Tribromophenol	86%		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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F30883-4	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Star Center-B100	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	78%		49-119%
321-60-8	2-Fluorobiphenyl	83%		45-118%
1718-51-0	Terphenyl-d14	70%		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

Client Sample ID: PIN12-TRTE-N001	Date Sampled: 04/06/05
Lab Sample ID: F30883-4	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	53400	300	48	ug/l	1	04/11/05	04/13/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4289

(2) Prep QC Batch: MP7886

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN12-TRTE-N001	Date Sampled: 04/06/05
Lab Sample ID: F30883-4	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	1230	4.0	mg/l	1	04/21/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

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 #: **F30883**
ACCUTEST QUOTE #:

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 B100 LOCATION 7030-226 PROJECT NO. FAX #				VOCs-8290 VOCs-624 SVOC-625 Feat Address				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			MATRIX	# OF BOTTLES	PRESERVATION				LAB USE ONLY	
		DATE	TIME	SAMPLED BY:			RIC	INH01	INH02	INH04		INH06
1	PIN12-RW01-N001	4-5-05	1341	JPC	GW	3	3				3	
2	PIN12-RW02-N001	4-5-05	1343			3	3				3	
3	PIN12-TRTI-N001	4-6-05	0901			4	3	1			3	1
4	PIN12-TRTE-N001	4-6-05	0910			6	3	1	2		3	2 1
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						
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY												
RELINQUISHED BY: 1. <i>J.P. Lu</i>	DATE TIME: 4-6-05	RECEIVED BY: 1. <i>Stacy C. Saff</i>	DATE TIME: 4-6-05 15:32	RELINQUISHED BY: 2. <i>Accutest</i>	DATE TIME: 4-6-05 15:32	RECEIVED BY: <i>Stacy C. Saff</i>						
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	DATE TIME:	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.						
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	DATE TIME:	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE					
											3.0 C	

4.1
4

F30883: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F30883 CLIENT: S.M. Stoller PROJECT: Star Center
DATE/TIME RECEIVED: 4-6-05/17.00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT/INTACT
- NO COC RECEIVED
- ANALYSES NOT MARKED ON COC
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SOIL INFORMATION

NUMBER OF ENCORES ? _____
NUMBER OF 5035 FIELD KITS ? _____

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

- SAMPLE LABELS PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- SAMPLE RECEIVED PAST HOLD TIME
- TIMES ON COC DON'T MATCH LABEL
- ID'S ON COC DON'T MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED

TECHNICIAN SIGNATURE/DATE Steven Parnoff/4-6-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05



07/15/05

Technical Report for

S M Stoller

Star Center-B100

7030-226

Accutest Job Number: F31725

Sampling Date: 05/06/05

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: F31725

Star Center-B100

Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F31725-1	05/06/05	09:25 JPC	05/06/05	AQ	Ground Water	PIN12-RW01-N001
F31725-2	05/06/05	09:27 JPC	05/06/05	AQ	Ground Water	PIN12-RW02-N001
F31725-3	05/06/05	10:35 JPC	05/06/05	AQ	Ground Water	PIN12-TRTI-N001
F31725-4	05/06/05	10:40 JPC	05/06/05	AQ	Ground Water	PIN12-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F31725

Site: Star Center-B100

Report Date 5/23/2005

4 Samples were collected on 05/06/2005 and were received at Accutest on 05/06/2005 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F31725. 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: VB1267

Samples F31725-3MS, F31725-3MSD 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 are outside control limits. Probable cause due to matrix interference.

F31725-4: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VB1275

Samples F31631-7MS, F31631-7MSD 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.

Matrix: AQ

Batch ID: VB1276

All method blanks for this batch meet method specific criteria.

Samples F31600-12MS, F31600-12MSD 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.

Extractables by GCMS By Method EPA 625

Matrix: AQ

Batch ID: OP13290

All method blanks for this batch meet method specific criteria.

Samples F31725-4MS, F31725-4MSD were used as the QC samples indicated.

RPD for MSD for 1,3-Dichlorobenzene is outside control limits for sample OP13290-MSD. Probable cause due to sample homogeneity.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP8001

Samples F31712-1MS, F31712-1MSD, F31712-1SDL, F31712-1DUP were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

RPD for Serial Dilution for Iron is outside control limits for sample MP8001-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

RPD for Duplicate for Iron is outside control limits for sample MP8001-D1. RPD acceptable due to low duplicate and sample concentrations.

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: May 23, 2005

Report of Analysis

Client Sample ID: PIN12-RW01-N001	
Lab Sample ID: F31725-1	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030304.D	100	05/16/05	KW	n/a	n/a	VB1275
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	200	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	2620	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	200	100	ug/l	
74-87-3	Methyl chloride	ND	200	100	ug/l	
75-09-2	Methylene chloride	ND	500	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	4110	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

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Client Sample ID: PIN12-RW01-N001	
Lab Sample ID: F31725-1	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	200	60	ug/l	
75-01-4	Vinyl chloride	653	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	92%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	101%		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

Client Sample ID: PIN12-RW02-N001	
Lab Sample ID: F31725-2	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030342.D	10	05/17/05	KW	n/a	n/a	VB1276
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	20	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	13.4	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	533	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	36.5	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	20	10	ug/l	
74-87-3	Methyl chloride	ND	20	10	ug/l	
75-09-2	Methylene chloride	ND	50	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	293	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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Client Sample ID: PIN12-RW02-N001	
Lab Sample ID: F31725-2	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	20	6.0	ug/l	
75-01-4	Vinyl chloride	64.1	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	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		73-126%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	102%		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

Client Sample ID: PIN12-TRTI-N001	
Lab Sample ID: F31725-3	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030155.D	20	05/09/05	KW	n/a	n/a	VB1267
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	40	20	ug/l	
67-66-3	Chloroform	243	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	12.5	20	10	ug/l	J
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	1250	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	26.9	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	40	20	ug/l	
74-87-3	Methyl chloride	ND	40	20	ug/l	
75-09-2	Methylene chloride	ND	100	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	926	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

Client Sample ID: PIN12-TRTI-N001	
Lab Sample ID: F31725-3	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	40	12	ug/l	
75-01-4	Vinyl chloride	151	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	96%		86-115%
17060-07-0	1,2-Dichloroethane-D4	90%		73-126%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	107%		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

Client Sample ID: PIN12-TRTI-N001	Date Sampled: 05/06/05
Lab Sample ID: F31725-3	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	4920	300	7.5	ug/l	1	05/10/05	05/11/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4334

(2) Prep QC Batch: MP8001

RL = Reporting Limit
 MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN12-TRTI-N001	Date Sampled: 05/06/05
Lab Sample ID: F31725-3	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	364	4.0	mg/l	1	05/13/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F31725-4	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030158.D	1	05/09/05	KW	n/a	n/a	VB1267
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	1.3	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	2.0	1.0	ug/l	
67-66-3	Chloroform	19.2	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	16.5	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	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	6.9	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

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Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F31725-4	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	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	92%		73-126%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	110%		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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F31725-4	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F009680.D	1	05/12/05	NJ	05/12/05	OP13290	SF551
Run #2							

Run #	Initial Volume	Final Volume
Run #1	1020 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	9.8	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	9.8	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.8	4.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	2.0	ug/l	
	3&4-Methylphenol	ND	4.9	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	9.8	ug/l	
87-86-5	Pentachlorophenol	ND	25	9.8	ug/l	
108-95-2	Phenol	ND	4.9	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.9	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	14.6	4.9	2.0	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.98	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.98	ug/l	
120-12-7	Anthracene	ND	4.9	0.98	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.98	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.98	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.98	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.98	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.98	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.98	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.98	ug/l	
106-47-8	4-Chloroaniline	ND	9.8	3.9	ug/l	
86-74-8	Carbazole	ND	4.9	0.98	ug/l	
218-01-9	Chrysene	ND	4.9	0.98	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.98	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	2.0	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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F31725-4	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Star Center-B100	

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.98	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.98	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	0.98	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	0.98	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	0.98	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	2.0	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	9.8	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	2.0	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.98	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	2.5	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.98	ug/l	
86-73-7	Fluorene	ND	4.9	0.98	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.98	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	2.0	ug/l	
67-72-1	Hexachloroethane	ND	4.9	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	2.0	ug/l	
78-59-1	Isophorone	ND	4.9	0.98	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.98	ug/l	
88-74-4	2-Nitroaniline	ND	9.8	3.9	ug/l	
99-09-2	3-Nitroaniline	ND	9.8	3.9	ug/l	
100-01-6	4-Nitroaniline	ND	9.8	3.9	ug/l	
91-20-3	Naphthalene	ND	4.9	0.98	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.98	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	2.0	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.98	ug/l	
129-00-0	Pyrene	ND	4.9	0.98	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	0.98	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	46%		19-90%
4165-62-2	Phenol-d5	31%		10-68%
118-79-6	2,4,6-Tribromophenol	86%		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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F31725-4	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Star Center-B100	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	82%		49-119%
321-60-8	2-Fluorobiphenyl	87%		45-118%
1718-51-0	Terphenyl-d14	85%		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

Client Sample ID: PIN12-TRTE-N001	Date Sampled: 05/06/05
Lab Sample ID: F31725-4	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	4770	300	7.5	ug/l	1	05/10/05	05/11/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4334

(2) Prep QC Batch: MP8001

RL = Reporting Limit
 MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN12-TRTE-N001	Date Sampled: 05/06/05
Lab Sample ID: F31725-4	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	356	4.0	mg/l	1	05/13/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

4408 VINELAND ROAD • SUITE C-15
ORLANDO, FL 32811
TEL: 407-425-6700 • FAX: 407-425-0707

ACCUTEST JOB #: **F31725**
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> <u>Large FL 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 # _____				VOCs - 8260 VOCs - 624 SVOCs - 625 <u>Fe + Hardness</u>				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			MATRIX	P OF BOTTLES	PRESERVATION				LAB USE ONLY	
		DATE	TIME	SAMPLED BY:			IKCI	MSD	MSD	MSD		MSD
1	PIN12-RW01-N001	5-4-05	0925	JPC	GW						3	
2	PIN12-RW02-N001	↓	0927	↓	↓						3	
3	PIN12-TR1E-N001	↓	1035	↓	↓						3	1
4	PIN12-TR1E-N001	↓	1040	↓	↓						3	2 1
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 SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:							
<u>A. J. [Signature]</u>	<u>5-4-05/1230</u>	<u>1. [Signature]</u>	<u>2. Accutest</u>	<u>5-6-05 3:16</u>	<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.		<input type="checkbox"/>		<input type="checkbox"/>	<u>38, 35</u> C					

4.1 4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: **F31725** CLIENT: S.M. Stoller PROJECT: monthly Sampling
 DATE/TIME RECEIVED: 5-6-05 / 18:35 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 3.8, 3.8
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
 AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT/INTACT
- NO COC RECEIVED
- ANALYSES NOT MARKED ON COC
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SOIL INFORMATION

NUMBER OF ENCORES ?
 NUMBER OF 5035 FIELD KITS ?

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

- SAMPLE LABELS PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- SAMPLE RECEIVED PAST HOLD TIME
- TIMES ON COC DON'T MATCH LABEL
- ID'S ON COC DON'T MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED

TECHNICIAN SIGNATURE/DATE [Signature] 5-6-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05

4.1
4



07/15/05

Technical Report for

S M Stoller

Star Center-B100

7030-226

Accutest Job Number: F32336

Sampling Date: 06/06/05

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: F32336

Star Center-B100

Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F32336-1	06/06/05	10:39 JPC	06/06/05	AQ	Ground Water	PIN12-RW01-N001
F32336-2	06/06/05	10:41 JPC	06/06/05	AQ	Ground Water	PIN12-RW02-N001
F32336-3	06/06/05	11:45 JPC	06/06/05	AQ	Ground Water	PIN12-TRTI-N001
F32336-4	06/06/05	11:50 JPC	06/06/05	AQ	Ground Water	PIN12-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F32336

Site: Star Center-B100

Report Date 6/21/2005 5:36:14 PM

4 Sample were collected on 06/06/2005 and were received at Accutest on 06/06/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F32336. 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: VB1303

Sample F32336-3MS, F32336-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

Matrix: AQ

Batch ID: VB1306

Samples F32336-4MS, F32336-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VB1299

All method blanks for this batch meet method specific criteria.

Samples F32427-4MS, F32427-4MSD were used as the QC samples indicated.

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

Extractables by GCMS By Method EPA 625

Matrix: AQ

Batch ID: OP13537

Samples F32336-4MS, F32336-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoveries for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Hexachloroethane are below control limits. Sporadic marginal failure, within limits in MS/MSD

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP8120

All method blanks for this batch meet method specific criteria.

Samples F32317-3DUP, F32317-3MS, F32317-3MSD, F32317-3SDL 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:

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

Date: June 21, 2005

Report of Analysis

Client Sample ID: PIN12-RW01-N001	
Lab Sample ID: F32336-1	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030827.D	100	06/13/05	KW	n/a	n/a	VB1299
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	200	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	2430	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	200	100	ug/l	
74-87-3	Methyl chloride	ND	200	100	ug/l	
75-09-2	Methylene chloride	ND	500	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	3880	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

3.1
3

Client Sample ID: PIN12-RW01-N001	
Lab Sample ID: F32336-1	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	200	60	ug/l	
75-01-4	Vinyl chloride	514	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	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	90%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		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

Client Sample ID: PIN12-RW02-N001	
Lab Sample ID: F32336-2	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030828.D	10	06/13/05	KW	n/a	n/a	VB1299
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	20	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	11.8	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	460	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	33.6	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	20	10	ug/l	
74-87-3	Methyl chloride	ND	20	10	ug/l	
75-09-2	Methylene chloride	ND	50	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	263	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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3

Client Sample ID: PIN12-RW02-N001	
Lab Sample ID: F32336-2	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	20	6.0	ug/l	
75-01-4	Vinyl chloride	48.4	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	93%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	101%		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

Client Sample ID: PIN12-TRTI-N001	
Lab Sample ID: F32336-3	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030901.D	20	06/15/05	KW	n/a	n/a	VB1303
Run #2	B030948.D	50	06/16/05	KW	n/a	n/a	VB1306

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	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	40	20	ug/l	
67-66-3	Chloroform	2620 ^a	50	25	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	1350	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	26.1	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	40	20	ug/l	
74-87-3	Methyl chloride	ND	40	20	ug/l	
75-09-2	Methylene chloride	ND	100	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	1020	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

Client Sample ID: PIN12-TRTI-N001	
Lab Sample ID: F32336-3	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	40	12	ug/l	
75-01-4	Vinyl chloride	143	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%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	88%	98%	73-126%
2037-26-5	Toluene-D8	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	104%	103%	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

Client Sample ID: PIN12-TRTI-N001	Date Sampled: 06/06/05
Lab Sample ID: F32336-3	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	5110	300	7.5	ug/l	1	06/08/05	06/09/05 RS	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4379

(2) Prep QC Batch: MP8120

RL = Reporting Limit
 MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN12-TRTI-N001	Date Sampled: 06/06/05
Lab Sample ID: F32336-3	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	378	4.0	mg/l	1	06/14/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F32336-4	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030904.D	1	06/15/05	KW	n/a	n/a	VB1303
Run #2	B030949.D	10	06/16/05	KW	n/a	n/a	VB1306

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	0.85	1.0	0.50	ug/l	J
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	2.0	1.0	ug/l	
67-66-3	Chloroform	686 ^a	10	5.0	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	0.56	1.0	0.50	ug/l	J
75-35-4	1,1-Dichloroethylene	2.2	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	353 ^a	10	5.0	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	6.6	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	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	212 ^a	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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F32336-4	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	26.9	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	99%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	89%	102%	73-126%
2037-26-5	Toluene-D8	102%	99%	86-112%
460-00-4	4-Bromofluorobenzene	106%	103%	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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F32336-4	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Star Center-B100	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F009935.D	1	06/14/05	NJ	06/08/05	OP13537	SF563
Run #2							

Run #1	Initial Volume	Final Volume
Run #1	1030 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.7	ug/l	
95-57-8	2-Chlorophenol	ND	4.9	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.9	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.9	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.9	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.7	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.7	4.9	ug/l	
95-48-7	2-Methylphenol	ND	4.9	1.9	ug/l	
	3&4-Methylphenol	ND	4.9	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.9	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.7	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.7	ug/l	
108-95-2	Phenol	ND	4.9	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.9	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	11.8	4.9	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.9	0.97	ug/l	
208-96-8	Acenaphthylene	ND	4.9	0.97	ug/l	
120-12-7	Anthracene	ND	4.9	0.97	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.9	0.97	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.9	0.97	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.9	0.97	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.9	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.9	0.97	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.9	0.97	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.9	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.9	0.97	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.9	0.97	ug/l	
106-47-8	4-Chloroaniline	ND	9.7	3.9	ug/l	
86-74-8	Carbazole	ND	4.9	0.97	ug/l	
218-01-9	Chrysene	ND	4.9	0.97	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.9	0.97	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.9	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

Client Sample ID:	PIN12-TRTE-N001	Date Sampled:	06/06/05
Lab Sample ID:	F32336-4	Date Received:	06/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625		
Project:	Star Center-B100		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.9	0.97	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.9	0.97	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.9	4.9	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.9	4.9	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.9	4.9	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.9	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.9	1.9	ug/l	
91-94-1	3,3' -Dichlorobenzidine	ND	9.7	4.9	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.9	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.9	0.97	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.9	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.9	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.9	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.9	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.9	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.9	0.97	ug/l	
86-73-7	Fluorene	ND	4.9	0.97	ug/l	
118-74-1	Hexachlorobenzene	ND	4.9	0.97	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.9	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.9	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.9	4.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.9	1.9	ug/l	
78-59-1	Isophorone	ND	4.9	0.97	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.9	0.97	ug/l	
88-74-4	2-Nitroaniline	ND	9.7	3.9	ug/l	
99-09-2	3-Nitroaniline	ND	9.7	3.9	ug/l	
100-01-6	4-Nitroaniline	ND	9.7	3.9	ug/l	
91-20-3	Naphthalene	ND	4.9	0.97	ug/l	
98-95-3	Nitrobenzene	ND	4.9	0.97	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.9	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.9	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.9	0.97	ug/l	
129-00-0	Pyrene	ND	4.9	0.97	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.9	4.9	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	40%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	86%		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

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F32336-4	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Star Center-B100	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	81%		49-119%
321-60-8	2-Fluorobiphenyl	78%		45-118%
1718-51-0	Terphenyl-d14	75%		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

Client Sample ID: PIN12-TRTE-N001	Date Sampled: 06/06/05
Lab Sample ID: F32336-4	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	5340	300	7.5	ug/l	1	06/08/05	06/09/05 RS	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4379

(2) Prep QC Batch: MP8120

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN12-TRTE-N001	Date Sampled: 06/06/05
Lab Sample ID: F32336-4	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-B100	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	375	4.0	mg/l	1	06/14/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

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 #:
F32336
ACCUTEST DIVISION

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES
NAME: <u>S.M. Stoller</u> ADDRESS: <u>7887 Bryan Dring Rd, Suite 260</u> CITY: <u>Lucaya</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> PROJECT NO.: _____ FAX #: _____				VOCs - 8260 VOCs - 624 SVOCs - 625 Fe + Hardsell				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			MATRIX	PRESERVATION				LAB USE ONLY	
		DATE	TIME	SAMPLED BY:		# OF BOTTLES	NO. INCH	NO. INCH	REASON		NONE
①	PIN12-RW01-N001	6-6-05	1039	JPC	GW	3	3			3	
②	PIN12-RW02-N001		1041			3	3			3	
③	PIN12-TRTI-N001		1145			4	3	1		3	1
④	PIN12-TRTE-N001		1150			6	3	1	2	3	2 1
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				
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLE CHANGE POSSESSION, INCLUDING COURIER DELIVERY											
RELINQUISHED BY: 1. <u>[Signature]</u>	DATE TIME: 6-6-05/1410	RECEIVED BY: 1. <u>[Signature]</u>	DATE TIME: _____	RELINQUISHED BY: 2. <u>[Signature]</u>	DATE TIME: 6-6-05/210	RECEIVED BY: 2. <u>[Signature]</u>	DATE TIME: _____	RELINQUISHED BY: 3. _____	DATE TIME: _____	RECEIVED BY: 3. _____	DATE TIME: _____
RELINQUISHED BY: 4. _____	DATE TIME: _____	RECEIVED BY: 4. _____	DATE TIME: _____	RELINQUISHED BY: 5. _____	DATE TIME: _____	RECEIVED BY: 5. _____	DATE TIME: _____	SEAL # _____	PRESERVE WHERE APPLICABLE <input type="checkbox"/>	ON ICE <input type="checkbox"/>	TEMPERATURE <u>22</u> C

4.1
4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32336 CLIENT: SM. Staller PROJECT: Stone Center M.S
 DATE/TIME RECEIVED: 6/6/05 17:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 26
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
 AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT/INTACT
- NO COC RECEIVED
- ANALYSES NOT MARKED ON COC
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SOIL INFORMATION

NUMBER OF ENCORES ? _____
 NUMBER OF 5035 FIELD KITS ? 0

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

- SAMPLE LABELS PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- SAMPLE RECEIVED PAST HOLD TIME
- TIMES ON COC DON'T MATCH LABEL
- ID'S ON COC DON'T MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED

TECHNICIAN SIGNATURE/DATE CP 6/6/05

TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05



07/15/05

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F32339

Sampling Date: 06/06/05

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: F32339

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

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F32339-1	06/06/05	11:52 JPC	06/06/05	AQ	Ground Water	PIN12-TRTE-N002*B100

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F32339

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

Report Date 6/20/2005

1 Sample was collected on 06/06/2005 and were received at Accutest on 06/06/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F32339. 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: VB1303

Samples F32336-3MS, F32336-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

F32339-1: Sample collected on 06/06/05 at 11:52.

F32339-1 for Benzene: 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: June 20, 2005

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

Report of Analysis

3.1
3

Client Sample ID: PIN12-TRTE-N002*B100	Date Sampled: 06/06/05
Lab Sample ID: F32339-1	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: EPA 624	
Project: Star Center-B100 Monthly/Effluent; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030907.D	1	06/15/05	KW	n/a	n/a	VB1303
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 ^b	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	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	96%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	108%		83-119%

- (a) Sample collected on 06/06/05 at 11:52.
 (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

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32339 CLIENT: S.M. Stoller PROJECT: Star Center
DATE/TIME RECEIVED: 6/6/05 17:30 # OF COOLERS RECEIVED: _____ COOLER TEMPS: _____
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT/INTACT
- NO COC RECEIVED
- ANALYSES NOT MARKED ON COC
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SOIL INFORMATION

NUMBER OF ENCORES ? _____
NUMBER OF 5035 FIELD KITS ? 2

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

- SAMPLE LABELS PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- SAMPLE RECEIVED PAST HOLD TIME
- TIMES ON COC DON'T MATCH LABEL
- ID'S ON COC DON'T MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED

TECHNICIAN SIGNATURE/DATE cf 6/6/05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05



07/15/05

Technical Report for

S M Stoller

Star Center-B100

7030-226

Accutest Job Number: F32876

Sampling Date: 06/29/05

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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4.1: Chain of Custody	8



Sample Summary

S M Stoller

Job No: F32876

Star Center-B100

Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F32876-1	06/29/05	10:45 JPC	06/29/05	AQ	Ground Water	PIN12-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F32876

Site: Star Center-B100

Report Date 7/7/2005

1 Sample was collected on 06/29/2005 and were received at Accutest on 06/29/2005 properly preserved, at 1.6 Deg. C and intact. These Samples received an Accutest job number of F32876. 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: VC1363

Samples F32876-1DUP were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery for Dichlorodifluoromethane is above control limits. This compound was non-detect in the associated sample.

F32876-1: 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: July 08, 2005

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

Report of Analysis

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F32876-1	Date Sampled: 06/29/05
Matrix: AQ - Ground Water	Date Received: 06/29/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0033513.D	1	07/01/05	KW	n/a	n/a	VC1363
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	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	0.50 U	2.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	2.5 U	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.5	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.30 U	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit

RL = Reporting Limit

L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value

V = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID: PIN12-TRTE-N001	
Lab Sample ID: F32876-1	Date Sampled: 06/29/05
Matrix: AQ - Ground Water	Date Received: 06/29/05
Method: EPA 624	Percent Solids: n/a
Project: Star Center-B100	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	0.60 U	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	0.50 U	1.0	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	95%		73-126%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	102%		83-119%

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

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = 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 SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32876 CLIENT: SM Slater PROJECT: Star Center Effluent
 DATE/TIME RECEIVED: 06/29/05 1400 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.6°
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
 AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- NO COC RECEIVED
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET

TRIP BLANK INFORMATION

- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

SOIL INFORMATION

NUMBER OF ENCORES ? _____
 NUMBER OF 5035 FIELD KITS ? _____

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

- SAMPLE LABELS PRESENT ON ALL BOTTLES
- CORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- TIMES ON COC DON'T MATCH LABEL
- ID'S ON COC DON'T MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING INSTRUCTIONS
- UNCLEAR COMPOSITING INSTRUCTIONS
- SAMPLE(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED

TECHNICIAN SIGNATURE/DATE [Signature] 06/29/05

TECHNICIAN SIGNATURE/DATE [Signature]

ASBD06/22/05

4.1
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