



07/15/05

Technical Report for

S M Stoller

Star Center-WWNA Monthly; Largo, FL

7030-226

Accutest Job Number: F30885

Sampling Date: 04/05/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: 18



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: F30885

Star Center-WWNA Monthly; Largo, FL
Project No: 7030-226

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F30885-1	04/05/05	13:08 JPC	04/06/05	AQ	Ground Water	PIN18-RW02-N001
F30885-2	04/05/05	13:04 JPC	04/06/05	AQ	Ground Water	PIN18-RW03-N001
F30885-3	04/05/05	13:17 JPC	04/06/05	AQ	Ground Water	PIN18-RW0501-N001
F30885-4	04/05/05	13:23 JPC	04/06/05	AQ	Ground Water	PIN18-EFF1-N001
F30885-5	04/05/05	13:27 JPC	04/06/05	AQ	Ground Water	PIN18-EFF2-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F30885

Site: Star Center-WWNA Monthly; Largo, FL

Report Date 4/19/2005

5 Samples were collected on 04/05/2005 and were received at Accutest on 04/06/2005 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F30885. 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 SW846 8260B

Matrix: AQ

Batch ID: VC1293

Samples F30854-3MS, F30854-3MSD 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. The Blank Spike is within limits. Data not adversely affected.

F30885-2: Sample was treated with an anti-foaming agent.

F30885-3: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VC1294

Samples F30891-1MS, F30891-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

RPD for MSD for Methyl bromide are outside control limits for sample F30891-1MSD. Probable cause due to sample homogeneity.

Blank Spike Recovery for 2-Chloroethyl vinyl ether is above outside control limits. Associated samples are non-detect for this compound. Data not adversely affected.

F30885-1: Sample was treated with an anti-foaming agent.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP7886

Samples F30871-1MS, F30871-1MSD, F30871-1SDL, F30871-1DUP were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

RPD for Duplicate for Arsenic is outside control limits for sample MP7886-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD for Serial Dilution for Arsenic is outside control limits for sample MP7886-SD1. Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

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 19, 2005

Report of Analysis

Client Sample ID: PIN18-RW02-N001	
Lab Sample ID: F30885-1	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0031556.D	1	04/15/05	KW	n/a	n/a	VC1294
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	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	0.79	1.0	0.50	ug/l	J
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: PIN18-RW02-N001	
Lab Sample ID: F30885-1	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

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	93%		86-115%
17060-07-0	1,2-Dichloroethane-D4	91%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	117%		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: PIN18-RW02-N001	Date Sampled: 04/05/05
Lab Sample ID: F30885-1	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	50.9	10	3.5	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: PIN18-RW03-N001	
Lab Sample ID: F30885-2	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0031546.D	1	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	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	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

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3

Client Sample ID: PIN18-RW03-N001		Date Sampled: 04/05/05
Lab Sample ID: F30885-2		Date Received: 04/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-WWNA Monthly; Largo, FL		

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	94%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	118%		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

32
3

Client Sample ID: PIN18-RW03-N001	Date Sampled: 04/05/05
Lab Sample ID: F30885-2	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	83.8	10	3.5	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: PIN18-RW0501-N001	
Lab Sample ID: F30885-3	Date Sampled: 04/05/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0031547.D	1	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	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	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: PIN18-RW0501-N001		Date Sampled: 04/05/05
Lab Sample ID: F30885-3		Date Received: 04/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-WWNA Monthly; Largo, FL		

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	95%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	117%		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: PIN18-RW0501-N001	Date Sampled: 04/05/05
Lab Sample ID: F30885-3	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	91.6	10	3.5	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: PIN18-EFF1-N001	Date Sampled: 04/05/05
Lab Sample ID: F30885-4	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	55.9	10	3.5	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

3.5
3

Client Sample ID: PIN18-EFF2-N001	Date Sampled: 04/05/05
Lab Sample ID: F30885-5	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	7.6 B	10	3.5	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

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 #: **F30885**
ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES		
NAME: <u>S. M. Stoller</u> ADDRESS: <u>7887 Bryan Dairy Rd, Suite 260</u> City: <u>Largo</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: _____ PHONE # _____		PROJECT NAME: <u>STAR Center - Monthly sampling</u> LOCATION: <u>WWNA</u> PROJECT NO.: <u>7030-226</u> FAX # _____				VOCs - 9260 Arsenic				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:			IC1	INCH	INSD	HS204		NONE
1	PIN18-RW02-N001	4-5-05	1308	JPC	GW	4	3	1				
2	PIN18-RW03-N001		1304			4	3	1				
3	PIN18-RW0501-N001		1317			4	3	1				
4	PIN18-EFF1-N001		1323			1		1				
5	PIN18-EFF2-N001		1327		WW	1		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: <u>[Signature]</u>	DATE TIME: <u>4-6-05</u>	RECEIVED BY: <u>1. [Signature]</u>	RELINQUISHED BY: <u>2. Accutest</u>	DATE TIME: <u>4-6-05 13:38</u>	RECEIVED BY: <u>2. [Signature]</u>							
RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____							
RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	SEAL # _____	PRESERVE WHERE APPLICABLE		ON ICE		TEMPERATURE <u>3.2</u> C				

4.1
4

F30885: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: **F30885** CLIENT: S.M. Stoller PROJECT: Star Center
 DATE/TIME RECEIVED: 4-6-05/17:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3,2
 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 Erwin/4/6/05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05



07/15/05

Technical Report for

S M Stoller

Star Center-WWNA Monthly; Largo, FL

7030-226

Accutest Job Number: F31721

Sampling Date: 05/06/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **12**



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: F31721

Star Center-WWNA Monthly; Largo, FL
Project No: 7030-226

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F31721-1	05/06/05	09:08 JPC	05/06/05	AQ	Ground Water	PIN18-RW02-N001
F31721-2	05/06/05	09:06 JPC	05/06/05	AQ	Ground Water	PIN18-RW03-N001
F31721-3	05/06/05	09:10 JPC	05/06/05	AQ	Ground Water	PIN18-RW0501-N001
F31721-4	05/06/05	09:12 JPC	05/06/05	AQ	Ground Water	PIN18-EFF1-N001
F31721-5	05/06/05	09:16 JPC	05/06/05	AQ	Ground Water	PIN18-EFF2-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F31721

Site: Star Center-WWNA Monthly; Largo, FL

Report Date 5/17/2005

5 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 F31721. 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.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP7994

Samples F31659-2DUP, F31659-2MS, F31659-2MSD, F31659-2SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID:

MP8001

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

All method blanks for this batch meet method specific criteria.

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

Narrative prepared by:

Date: May 20, 2005

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

Report of Analysis

Client Sample ID:	PIN18-RW02-N001	Date Sampled:	05/06/05
Lab Sample ID:	F31721-1	Date Received:	05/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Project:	Star Center-WWNA Monthly; Largo, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	29.8	10	2.9	ug/l	1	05/09/05	05/10/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4331

(2) Prep QC Batch: MP7994

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: PIN18-RW03-N001	Date Sampled: 05/06/05
Lab Sample ID: F31721-2	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	35.0	10	2.9	ug/l	1	05/09/05	05/10/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4331

(2) Prep QC Batch: MP7994

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: PIN18-RW0501-N001 Lab Sample ID: F31721-3 Matrix: AQ - Ground Water Project: Star Center-WWNA Monthly; Largo, FL	Date Sampled: 05/06/05 Date Received: 05/06/05 Percent Solids: n/a
---	---

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	202	10	2.9	ug/l	1	05/09/05	05/10/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4331

(2) Prep QC Batch: MP7994

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: PIN18-EFF1-N001	Date Sampled: 05/06/05
Lab Sample ID: F31721-4	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	37.4	10	2.9	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

3.5
3

Client Sample ID: PIN18-EFF2-N001	Date Sampled: 05/06/05
Lab Sample ID: F31721-5	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	2.9 U	10	2.9	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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: **F31721** CLIENT: S.M. Stoller PROJECT: Monthly Sampling
 DATE/TIME RECEIVED: 5-6-05 18:35 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 3.4, 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 ? 0
 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 Steven Perrom / 5-6-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05

4.1
4



07/15/05

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F31722

Sampling Date: 05/06/05

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: F31722

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

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F31722-1	05/06/05	10:42 JPC	05/06/05	AQ	Ground Water	PIN12-TRTE-N002*B100

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F31722

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

Report Date 5/23/2005

1 Sample was 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 F31722. 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

All method blanks for this batch meet method specific criteria.

Samples F31725-3MS, F31725-3MSD were used as the QC samples indicated.

F31722-1: 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: May 23, 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: F31722-1	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 Monthly/Effluent; Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030159.D	1	05/09/05	KW	n/a	n/a	VB1267
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	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	89%		73-126%
2037-26-5	Toluene-D8	107%		86-112%
460-00-4	4-Bromofluorobenzene	111%		83-119%

- (a) Sample collected on 05/06/05 at 10:42.
 (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 #: **F31722**
ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION						MATRIX CODES
NAME: <u>S.M. Stoller</u> ADDRESS: <u>7887 Bryan Dairy Rd, Suite 260</u> CITY, STATE, ZIP: <u>Largo FL 33777</u> 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 # _____				(by 624) BTEX, Total VOA						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	PRESERVATION							
			DATE	TIME	SAMPLED BY:	NO.	NO.	NO.	NO.	NO.	NO.	NO.	
1	PIN12-TRTE-N002 * B100		5-1-05	1042	JPC	GW	3	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 VOAs</u> <u>Ethylbenzene</u>						
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>C. P. Co</u>	<u>5-1-05/1230</u>	<u>Steph C. Doty</u>	<u>2. Accutest</u>	<u>5-6-05 3:30</u>	<u>Shawn Brown</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>3.0, 3.0 C</u>					

4.1
4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER **F31722** CLIENT: S.M. Stoller PROJECT: monthly effluent sample
 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 Arthur Corcoran 15-6-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05

4.1
4



07/15/05

Technical Report for

S M Stoller

Star Center-WWNA Monthly; Largo, FL

7030-226

Accutest Job Number: F32338

Sampling Date: 06/06/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **12**



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: F32338

Star Center-WWNA Monthly; Largo, FL
 Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F32338-1	06/06/05	10:51 JPC	06/06/05	AQ	Ground Water	PIN18-RW02-N001
F32338-2	06/06/05	10:50 JPC	06/06/05	AQ	Ground Water	PIN18-RW03-N001
F32338-3	06/06/05	10:52 JPC	06/06/05	AQ	Ground Water	PIN18-RW0501-N001
F32338-4	06/06/05	10:56 JPC	06/06/05	AQ	Ground Water	PIN18-EFF1-N001
F32338-5	06/06/05	11:00 JPC	06/06/05	AQ	Ground Water	PIN18-EFF2-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F32338

Site: Star Center-WWNA Monthly; Largo, FL

Report Date 6/14/2005

5 Samples 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 F32338. 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.

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 15, 2005

Report of Analysis

3.1
3

Client Sample ID: PIN18-RW02-N001	Date Sampled: 06/06/05
Lab Sample ID: F32338-1	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	38.3	10	2.9	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: PIN18-RW03-N001	Date Sampled: 06/06/05
Lab Sample ID: F32338-2	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	36.3	10	2.9	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: PIN18-RW0501-N001 Lab Sample ID: F32338-3 Matrix: AQ - Ground Water Project: Star Center-WWNA Monthly; Largo, FL	Date Sampled: 06/06/05 Date Received: 06/06/05 Percent Solids: n/a
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Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	108	10	2.9	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: PIN18-EFF1-N001	Date Sampled: 06/06/05
Lab Sample ID: F32338-4	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	42.7	10	2.9	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: PIN18-EFF2-N001	
Lab Sample ID: F32338-5	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
	Percent Solids: n/a
Project: Star Center-WWNA Monthly; Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	2.9 U	10	2.9	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

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: 407-425-8700 • FAX: 407-425-0707

ACCUTEST JOB #:

ACCUTEST QUOTE #:

F32338

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX CODES
NAME: <u>S.M. Staller</u> ADDRESS: <u>7887 Bryan Dairy Rd, Suite 260</u> CITY: <u>Large</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: _____ PHONE # _____			PROJECT NAME: <u>STAR Center - Monthly Sampling</u> LOCATION: <u>WVNA</u> PROJECT NO.: <u>7030-226</u> FAX # _____				ANALYTICAL INFORMATION (Columns for various analytes)										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: DATE, TIME, SAMPLED BY, MATRIX, # OF BOTTLES, PRESERVATION (HCl, HNO3, H2O2, NONE)														LAB USE ONLY
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																	
1. RELINQUISHED BY: <u>[Signature]</u> DATE TIME: <u>6-6-05 1410</u>			1. RECEIVED BY: <u>[Signature]</u>				2. RELINQUISHED BY: <u>[Signature]</u> DATE TIME: <u>6-6-05 2112</u>				2. RECEIVED BY: <u>[Signature]</u>						
3. RELINQUISHED BY: _____ DATE TIME: _____			3. RECEIVED BY: _____				4. RELINQUISHED BY: _____ DATE TIME: _____				4. RECEIVED BY: _____						
5. RELINQUISHED BY: _____ DATE TIME: _____			5. RECEIVED BY: _____				SEAL # _____ PRESERVE WHERE APPLICABLE				ON ICE <input type="checkbox"/> TEMPERATURE <u>20</u> °C						

4.1
4

F32338: Chain of Custody

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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32338 CLIENT: S.M. Staller PROJECT: Star 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 ? 0
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 GP 6/6/05

TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05