



12/27/04

Technical Report for

S M Stoller

Quarterly Sampling, STAR Center, Largo, FL

7030-226

Accutest Job Number: F27229

Sampling Date: 10/07/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: 25



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: F27229

Quarterly Sampling, STAR Center, Largo, FL
 Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F27229-1	10/07/04	07:30 SDL	10/07/04	AQ	Ground Water	PIN20-0552
F27229-2	10/07/04	07:55 SDL	10/07/04	AQ	Ground Water	PIN20-M036
F27229-3	10/07/04	08:10 SDL	10/07/04	AQ	Ground Water	PIN20-M40S
F27229-4	10/07/04	08:22 SDL	10/07/04	AQ	Ground Water	PIN20-M40D
F27229-5	10/07/04	08:48 SDL	10/07/04	AQ	Ground Water	PIN20-M035
F27229-6	10/07/04	08:06 SDL	10/07/04	AQ	Ground Water	PIN20-M38D
F27229-7	10/07/04	08:33 SDL	10/07/04	AQ	Ground Water	PIN20-M41D
F27229-8	10/07/04	09:45 SDL	10/07/04	AQ	Ground Water	PIN15-0577
F27229-9	10/07/04	10:25 SDL	10/07/04	AQ	Ground Water	PIN15-0562

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F27229

Site: Quarterly Sampling, STAR Center, Largo, FL

Report Date 10/22/2004

9 Samples were collected on 10/07/2004 and were received at Accutest on 10/07/2004 properly preserved, at 3.2 Deg. C and intact. These Samples received an Accutest job number of F27229. 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: VM54

All samples were analyzed within the recommended method holding time.

Samples F27274-6MS, F27274-6MSD 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.

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

Matrix: AQ

Batch ID: VM56

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F27229-9MS, F27229-9MSD were used as the QC samples indicated.

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

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

Matrix: AQ

Batch ID: VM60

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples N80320-1MS, N80320-1MSD were used as the QC samples indicated.

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

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

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

Narrative prepared by:

Date: October 22, 2004

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

Report of Analysis

Client Sample ID: PIN20-0552	
Lab Sample ID: F27229-1	Date Sampled: 10/07/04
Matrix: AQ - Ground Water	Date Received: 10/07/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001231.D	1	10/17/04	NJ	n/a	n/a	VM54
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-0552		Date Sampled: 10/07/04
Lab Sample ID: F27229-1		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	100%		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:	PIN20-M036	Date Sampled:	10/07/04
Lab Sample ID:	F27229-2	Date Received:	10/07/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001232.D	1	10/17/04	NJ	n/a	n/a	VM54
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PIN20-M036		Date Sampled: 10/07/04
Lab Sample ID: F27229-2		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		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	99%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M40S		Date Sampled: 10/07/04
Lab Sample ID: F27229-3		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001233.D	1	10/17/04	NJ	n/a	n/a	VM54
Run #2							

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

VOA Special List

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

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

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

Report of Analysis

Client Sample ID: PIN20-M40S		Date Sampled: 10/07/04
Lab Sample ID: F27229-3		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

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

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

Report of Analysis

Client Sample ID:	PIN20-M40D	Date Sampled:	10/07/04
Lab Sample ID:	F27229-4	Date Received:	10/07/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001234.D	1	10/17/04	NJ	n/a	n/a	VM54
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M40D		Date Sampled: 10/07/04
Lab Sample ID: F27229-4		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

ND = Not detected MDL - Method Detection Limit
 RL = Reporting Limit
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 N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-M035	Date Sampled:	10/07/04
Lab Sample ID:	F27229-5	Date Received:	10/07/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001235.D	1	10/17/04	NJ	n/a	n/a	VM54
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.4	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M035	
Lab Sample ID: F27229-5	Date Sampled: 10/07/04
Matrix: AQ - Ground Water	Date Received: 10/07/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	97%		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: PIN20-M38D	
Lab Sample ID: F27229-6	Date Sampled: 10/07/04
Matrix: AQ - Ground Water	Date Received: 10/07/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001236.D	1	10/17/04	NJ	n/a	n/a	VM54
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

Client Sample ID: PIN20-M38D		Date Sampled: 10/07/04
Lab Sample ID: F27229-6		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	95%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M41D	
Lab Sample ID: F27229-7	Date Sampled: 10/07/04
Matrix: AQ - Ground Water	Date Received: 10/07/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001237.D	1	10/17/04	NJ	n/a	n/a	VM54
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PIN20-M41D		Date Sampled: 10/07/04
Lab Sample ID: F27229-7		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	95%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN15-0577		Date Sampled: 10/07/04
Lab Sample ID: F27229-8		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001359.D	10	10/20/04	NJ	n/a	n/a	VM60
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	6.3	10	5.0	ug/l	J
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	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	32.0	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	5.3	10	5.0	ug/l	J
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	ND	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	234	10	5.0	ug/l	
79-01-6	Trichloroethylene	ND	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: PIN15-0577		Date Sampled: 10/07/04
Lab Sample ID: F27229-8		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	10	6.0	ug/l	
75-01-4	Vinyl chloride	441	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	5.5	10	5.0	ug/l	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	100%		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:	PIN15-0562	
Lab Sample ID:	F27229-9	Date Sampled: 10/07/04
Matrix:	AQ - Ground Water	Date Received: 10/07/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001267.D	1	10/18/04	NJ	n/a	n/a	VM56
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.9
3

Client Sample ID: PIN15-0562		Date Sampled: 10/07/04
Lab Sample ID: F27229-9		Date Received: 10/07/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		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	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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX CODES		
S.M. Stoller NAME 7887 Bryan Dairy Road 260 ADDRESS Largo FL 33777 CITY, STATE ZIP SEND REPORT TO: PHONE #		STAR Center Quarterly Sampling PROJECT NAME Largo FL LOCATION PROJECT NO. 7030-226 FAX #				82600 101										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	# OF BOTTLES	PRESERVATION						LAB USE ONLY					
		DATE	TIME	SAMPLED BY:			PCI	MSD	MSD	MSD	MSD	MSD						
1	PIN20-0552	10-7-04	0770	SDL	GW	3	✓											
2	PIN20-M036	10-7-04	0755	SDL	GW	3	✓											
3	PIN20-M405	10-7-04	0810	SDL	GW	3	✓											
4	PIN20-M40D	10-7-04	0822	SDL	GW	3	✓											
5	PIN20-M035	10-7-04	0848	SDL	GW	3	✓											
6	PIN20-M38D	10-7-04	0806	DT	GW	3	✓											
7	PIN20-M41D	10-7-04	0833	DT	GW	3	✓											
8	PIN15-0577	10-7-04	0945	SDL	GW	3	✓											
9	PIN15-0562	10-7-04	1025	DT	GW	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 												
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																		
RELINQUISHED BY: 1. <i>Rene W. Ylode</i>	DATE TIME: 10/7/04 1330	RECEIVED BY: 1. <i>J. Yal</i>	DATE TIME: 10/7/04 1330	RELINQUISHED BY: 2. <i>J. Yal</i>	DATE TIME: 10/7/04 1530	RECEIVED BY: 2. <i>Stacy Corran</i>	DATE TIME: 10-7-04 1830											
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		ON ICE	TEMPERATURE										

4.1
4

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F27229

Client: S. M. Stoller

Project: Slat Center Quarterly Sampling

Date Received: 10-7-04 Time Received: 13:30

of Coolers Received: 1 Cooler Temperatures: 3.2

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number: _____

Cooler Custody Seals Intact? Yes No

Chain of Custody Provided? Yes No

COC Match Bottle Label ID's? Yes No

Sample Labels Present on all bottles? Yes No

All Analyses Marked On COC? Yes No

Are All Bottles Intact? Yes No

Samples Preserved Correctly? Yes No

Correct Number of Containers Used? Yes No

Sufficient Sample Volume? Yes No

Trip Blank Provided? Yes No

Trip Blank on COC? Yes No

Trip Blank Intact? Yes No

Trip Blank Matrix? Yes No

Number of Encores? Soil Water N/A

Number of Soil Field Kits?

Summary of Comments: _____

Signature: Stavros Pappas

Review Signature: _____ Date: 10-7-04



12/27/04

Technical Report for

S M Stoller

Quarterly Sampling, STAR Center, Largo, FL

7030-226

Accutest Job Number: F27399

Sampling Dates: 10/12/04 - 10/13/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **40**



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: F27399

Quarterly Sampling, STAR Center, Largo, FL
 Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F27399-1	10/12/04	15:25 DT	10/13/04	AQ	Ground Water	PIN20-M023
F27399-2	10/12/04	13:15 DT	10/13/04	AQ	Ground Water	PIN20-0502
F27399-3	10/12/04	13:00 DT	10/13/04	AQ	Ground Water	PIN20-0550
F27399-4	10/12/04	14:45 DT	10/13/04	AQ	Ground Water	PIN20-0503
F27399-5	10/12/04	12:05 DT	10/13/04	AQ	Ground Water	PIN20-0554
F27399-6	10/12/04	15:40 DT	10/13/04	AQ	Ground Water	PIN20-M025
F27399-7	10/13/04	10:43 DT	10/13/04	AQ	Ground Water	PIN20-M024
F27399-8	10/13/04	08:00 DT	10/13/04	AQ	Ground Water	PIN20-0554
F27399-9	10/13/04	09:30 DT	10/13/04	AQ	Ground Water	PIN20-M061
F27399-10	10/13/04	08:40 DT	10/13/04	AQ	Ground Water	PIN20-MWL3
F27399-11	10/13/04	10:30 DT	10/13/04	AQ	Ground Water	PIN20-MWL4

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F27399

Site: Quarterly Sampling, STAR Center, Largo, FL

Report Date 11/4/2004

10 Samples were collected on between 10/12/2004 and 10/13/2004 and were received at Accutest on 10/13/2004 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F27399. 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: VM63

All method blanks for this batch meet method specific criteria.

Samples F27351-8MS, F27351-8MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: VM64

Samples F27512-20MS, F27512-20MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: VN61

Samples F27357-3MS, F27357-3MSD 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.

F27399-2 for Methylene chloride: Suspected laboratory contaminant. The Method Blank was non-detect, however, the dilution water reservoir was suspected of being contaminated with Methylene Chloride. Therefore any low level detects of Methylene Chloride on dilutions were being flagged accordingly.

Matrix: AQ

Batch ID: VN63

All method blanks for this batch meet method specific criteria.

Samples F27430-7MS, F27430-7MSD 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.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP7304

Samples F27404-1DUP, F27404-1MS, F27404-1MSD, F27404-1SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP6017

Samples F27378-2DUP, F27378-2DUP, F27378-2MS were used as the QC samples for Chloride, Nitrogen, Nitrite, Sulfate, Nitrogen, Nitrate, Chloride.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery for Chloride is outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

RPD for Duplicate for Nitrogen, Nitrate is outside control limits for sample GP6017-D1. High RPD due to possible sample nonhomogeneity.

Wet Chemistry By Method EPA 350.2

Matrix: AQ **Batch ID:** GP6053

Samples F27219-6DUP, F27219-6MS, F27219-6MSD were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 351.3

Matrix: AQ **Batch ID:** GP6013

Samples F27364-2DUP, F27364-2MS were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** GP6034

Samples F27399-10DUP, F27399-10MS, F27399-10MSD were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP5990

All method blanks for this batch meet method specific criteria.

Samples F27399-10DUP, F27399-10MS were used as the QC samples for Phosphate, Ortho, Phosphate, Ortho.

F27399-2 for Phosphate, Ortho: Exceeded holding time. The sample was collected at 10.12.04 at 13:15. The sample was picked up by an Accutest courier on 10.13.04 at 13:10. The sample was analyzed on 10.14.04 at 14:00. The holding time was missed by less than one hour.

Matrix: AQ **Batch ID:** GP6033

Samples F27302-1DUP, F27302-1MS, F27302-1MSD were used as the QC samples for Phosphorus, Total, Phosphorus, Total.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 376.1

Matrix: AQ **Batch ID:** GN15909

All method blanks for this batch meet method specific criteria.

Samples F27399-10DUP, F27399-10MS were used as the QC samples for Sulfide, Sulfide.

F27399-2 for Sulfide exceeded holding time. The sample was collected at 10.12.04 at 13:15. The sample was picked up by an Accutest courier on 10.13.04 at 13:10. The sample was analyzed on 10.20.04. The holding time was missed by one day.

Wet Chemistry By Method EPA 405.1

Matrix: AQ **Batch ID:** GP5994

Samples F27399-2DUP, F27399-2MS, F27399-2MSD were used as the QC samples for BOD, 5 Day, BOD, 5 Day.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 410.1

Matrix: AQ **Batch ID:** GP5997

All method blanks for this batch meet method specific criteria.

Samples F27463-1DUP, F27463-1MS, F27463-1MSD were used as the QC samples for Chemical Oxygen Demand, Chemical Oxygen Demand.

Blank Spike Recovery for Chemical Oxygen Demand is outside control limits. The limits are 92-118% and the recovery was 90.7%.

All associated samples were non-detect for COD and the MS/MSD was within limits.

Wet Chemistry By Method EPA 415.1

Matrix: AQ **Batch ID:** GN15963

Samples F27496-1DUP, F27496-1MS, F27496-1MSD were used as the QC samples for Total Organic Carbon, Total Organic Carbon.

All method blanks for this batch meet method specific criteria.

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

Narrative prepared by:

Date: November 05, 2004

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

Report of Analysis

Client Sample ID: PIN20-M023	
Lab Sample ID: F27399-1	Date Sampled: 10/12/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001339.D	1	10/22/04	NJ	n/a	n/a	VN61
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID: PIN20-M023	
Lab Sample ID: F27399-1	Date Sampled: 10/12/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	105%		73-126%
2037-26-5	Toluene-D8	97%		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:	PIN20-0502	Date Sampled:	10/12/04
Lab Sample ID:	F27399-2	Date Received:	10/13/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001344.D	5	10/23/04	NJ	n/a	n/a	VN61
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	5.0	2.5	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	2.5	ug/l	
75-25-2	Bromoform	ND	5.0	2.5	ug/l	
108-90-7	Chlorobenzene	ND	5.0	2.5	ug/l	
75-00-3	Chloroethane	ND	5.0	5.0	ug/l	
67-66-3	Chloroform	ND	5.0	2.5	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	25	13	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	2.5	ug/l	
75-34-3	1,1-Dichloroethane	ND	5.0	2.5	ug/l	
75-35-4	1,1-Dichloroethylene	ND	5.0	2.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	2.5	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	2.5	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	2.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	5.0	2.5	ug/l	
156-59-2	cis-1,2-Dichloroethylene	106	5.0	2.5	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
541-73-1	m-Dichlorobenzene	ND	5.0	2.5	ug/l	
95-50-1	o-Dichlorobenzene	ND	5.0	2.5	ug/l	
106-46-7	p-Dichlorobenzene	ND	5.0	2.5	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	2.5	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.5	ug/l	
100-41-4	Ethylbenzene	ND	5.0	2.5	ug/l	
74-83-9	Methyl bromide	ND	5.0	5.0	ug/l	
74-87-3	Methyl chloride	ND	5.0	5.0	ug/l	
75-09-2	Methylene chloride ^a	6.1	5.0	5.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	2.5	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	5.0	2.5	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.5	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	2.5	ug/l	
127-18-4	Tetrachloroethylene	ND	5.0	2.5	ug/l	
108-88-3	Toluene	ND	5.0	2.5	ug/l	
79-01-6	Trichloroethylene	ND	5.0	2.5	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: PIN20-0502		Date Sampled: 10/12/04
Lab Sample ID: F27399-2		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	5.0	3.0	ug/l	
75-01-4	Vinyl chloride	209	5.0	2.5	ug/l	
	m,p-Xylene	ND	10	2.5	ug/l	
95-47-6	o-Xylene	ND	5.0	2.5	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	107%		73-126%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

(a) Suspected laboratory contaminant.

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

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

Report of Analysis

32
3

Client Sample ID: PIN20-0502	
Lab Sample ID: F27399-2	Date Sampled: 10/12/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	56.9	10	3.5	ug/l	1	10/21/04	10/23/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4047

(2) Prep QC Batch: MP7304

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

32
3

Client Sample ID: PIN20-0502		Date Sampled: 10/12/04
Lab Sample ID: F27399-2		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.1	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	144	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	51.5	2.0	1.0	mg/l	1	10/14/04 18:56	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.46	0.20	0.024	mg/l	1	11/01/04	MP	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/14/04 18:56	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/14/04 18:56	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.3	0.20	0.10	mg/l	1	10/25/04	KG	EPA 351.3
Phosphate, Ortho ^a	0.26	0.10	0.020	mg/l	1	10/14/04 14:00	KG	EPA 365.3
Phosphorus, Total	0.21	0.10	0.0090	mg/l	1	10/26/04	KG	EPA 365.3
Sulfate	139	4.0	2.0	mg/l	2	11/02/04 13:57	MP	EPA 300/SW846 9056
Sulfide ^b	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	54.3	1.0	0.50	mg/l	1	10/26/04	LE	EPA 415.1

(a) Exceeded holding time.

(b) Analyzed out of hold.

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: PIN20-0550	
Lab Sample ID: F27399-3	Date Sampled: 10/12/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001340.D	1	10/22/04	NJ	n/a	n/a	VN61
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-0550		Date Sampled: 10/12/04
Lab Sample ID: F27399-3		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	3.5	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	105%		73-126%
2037-26-5	Toluene-D8	96%		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: PIN20-0550		Date Sampled: 10/12/04
Lab Sample ID: F27399-3		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	15.0	10	3.5	ug/l	1	10/21/04	10/23/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4047

(2) Prep QC Batch: MP7304

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:	PIN20-0503	
Lab Sample ID:	F27399-4	Date Sampled: 10/12/04
Matrix:	AQ - Ground Water	Date Received: 10/13/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001341.D	1	10/22/04	NJ	n/a	n/a	VN61
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PIN20-0503		Date Sampled: 10/12/04
Lab Sample ID: F27399-4		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	3.2	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		86-115%
17060-07-0	1,2-Dichloroethane-D4	105%		73-126%
2037-26-5	Toluene-D8	97%		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: PIN20-0503	Date Sampled: 10/12/04
Lab Sample ID: F27399-4	Date Received: 10/13/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	16.9	10	3.5	ug/l	1	10/21/04	10/23/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4047

(2) Prep QC Batch: MP7304

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:	PIN20-0554	
Lab Sample ID:	F27399-5	Date Sampled: 10/12/04
Matrix:	AQ - Ground Water	Date Received: 10/13/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001342.D	1	10/22/04	NJ	n/a	n/a	VN61
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: PIN20-0554		Date Sampled: 10/12/04
Lab Sample ID: F27399-5		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	106%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	100%		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: PIN20-M025	
Lab Sample ID: F27399-6	Date Sampled: 10/12/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001343.D	1	10/23/04	NJ	n/a	n/a	VN61
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

Client Sample ID: PIN20-M025		Date Sampled: 10/12/04
Lab Sample ID: F27399-6		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	106%		73-126%
2037-26-5	Toluene-D8	96%		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: PIN20-M024	
Lab Sample ID: F27399-7	Date Sampled: 10/13/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001381.D	1	10/25/04	NJ	n/a	n/a	VN63
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: PIN20-M024		Date Sampled: 10/13/04
Lab Sample ID: F27399-7		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

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

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

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

Report of Analysis

Client Sample ID: PIN20-0554	
Lab Sample ID: F27399-8	Date Sampled: 10/13/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001382.D	1	10/25/04	NJ	n/a	n/a	VN63
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: PIN20-0554		Date Sampled: 10/13/04
Lab Sample ID: F27399-8		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	107%		73-126%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	100%		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:	PIN20-M061		
Lab Sample ID:	F27399-9	Date Sampled:	10/13/04
Matrix:	AQ - Ground Water	Date Received:	10/13/04
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001383.D	1	10/25/04	NJ	n/a	n/a	VN63
Run #2	M0001466.D	10	10/26/04	NJ	n/a	n/a	VM64

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	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.83	1.0	0.50	ug/l	J
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	37.9	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	19.0	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	14.3	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-M061	Date Sampled:	10/13/04
Lab Sample ID:	F27399-9	Date Received:	10/13/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	520 ^a	10	5.0	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%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	96%	73-126%
2037-26-5	Toluene-D8	97%	99%	86-112%
460-00-4	4-Bromofluorobenzene	99%	100%	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

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3

Client Sample ID: PIN20-M061		Date Sampled: 10/13/04
Lab Sample ID: F27399-9		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.4	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	144	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	53.3	2.0	1.0	mg/l	1	10/14/04 19:11	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.38	0.20	0.024	mg/l	1	11/01/04	MP	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/14/04 19:11	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/14/04 19:11	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	2.5	0.20	0.10	mg/l	1	10/25/04	KG	EPA 351.3
Phosphate, Ortho	0.22	0.10	0.020	mg/l	1	10/14/04 14:00	KG	EPA 365.3
Phosphorus, Total	3.0	1.0	0.090	mg/l	10	10/26/04	KG	EPA 365.3
Sulfate	10.4	2.0	1.0	mg/l	1	10/14/04 19:11	SJL	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	56.3	1.0	0.50	mg/l	1	10/26/04	LE	EPA 415.1

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:	PIN20-MWL3	Date Sampled:	10/13/04
Lab Sample ID:	F27399-10	Date Received:	10/13/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001384.D	1	10/25/04	NJ	n/a	n/a	VN63
Run #2	M0001464.D	50	10/26/04	NJ	n/a	n/a	VM64

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	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	0.50	1.0	0.50	ug/l	J
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	0.51	1.0	0.50	ug/l	J
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	224 ^a	50	25	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	1.7	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-MWL3		Date Sampled: 10/13/04
Lab Sample ID: F27399-10		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	2820 ^a	50	25	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	100%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	109%	95%	73-126%
2037-26-5	Toluene-D8	96%	101%	86-112%
460-00-4	4-Bromofluorobenzene	98%	99%	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: PIN20-MWL3	Date Sampled: 10/13/04
Lab Sample ID: F27399-10	Date Received: 10/13/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.5 U	10	3.5	ug/l	1	10/21/04	10/23/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4047

(2) Prep QC Batch: MP7304

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: PIN20-MWL3	Date Sampled: 10/13/04
Lab Sample ID: F27399-10	Date Received: 10/13/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	74.7	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	35.4	2.0	1.0	mg/l	1	10/14/04 19:26	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.82	0.20	0.024	mg/l	1	11/01/04	MP	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/14/04 19:26	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/14/04 19:26	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.6	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.16	0.10	0.020	mg/l	1	10/14/04 14:00	KG	EPA 365.3
Phosphorus, Total	0.15	0.10	0.0090	mg/l	1	10/26/04	KG	EPA 365.3
Sulfate	1070	50	25	mg/l	25	11/02/04 14:41	MP	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	25.9	1.0	0.50	mg/l	1	10/26/04	LE	EPA 415.1

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:	PIN20-MWL4		Date Sampled:	10/13/04
Lab Sample ID:	F27399-11		Date Received:	10/13/04
Matrix:	AQ - Ground Water		Percent Solids:	n/a
Method:	SW846 8260B			
Project:	Quarterly Sampling, STAR Center, Largo, FL			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	N0001385.D	1	10/25/04	NJ	n/a	n/a	VN63
Run #2	M0001455.D	50	10/25/04	NJ	n/a	n/a	VM63

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	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	8.0	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	1940 ^a	50	25	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	75.9	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.3	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	84.5 ^a	50	25	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: PIN20-MWL4	
Lab Sample ID: F27399-11	Date Sampled: 10/13/04
Matrix: AQ - Ground Water	Date Received: 10/13/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	498 ^a	50	25	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%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	108%	97%	73-126%
2037-26-5	Toluene-D8	95%	102%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	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: PIN20-MWL4	Date Sampled: 10/13/04
Lab Sample ID: F27399-11	Date Received: 10/13/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.5 U	10	3.5	ug/l	1	10/21/04	10/23/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4047

(2) Prep QC Batch: MP7304

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: PIN20-MWL4		Date Sampled: 10/13/04
Lab Sample ID: F27399-11		Date Received: 10/13/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	90.7	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	21.3	2.0	1.0	mg/l	1	10/14/04 19:41	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.41	0.20	0.024	mg/l	1	11/01/04	MP	EPA 350.2
Nitrogen, Nitrate	0.11	0.10	0.050	mg/l	1	10/14/04 19:41	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/14/04 19:41	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.1	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.076 B	0.10	0.020	mg/l	1	10/14/04 14:00	KG	EPA 365.3
Phosphorus, Total	0.093 B	0.10	0.0090	mg/l	1	10/26/04	KG	EPA 365.3
Sulfate	53.2	2.0	1.0	mg/l	1	10/14/04 19:41	SJL	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	30.5	1.0	0.50	mg/l	1	10/26/04	LE	EPA 415.1

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 #: **FZ7399**
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 Quarterly Samp. PROJECT NAME Largo FL LOCATION 7030-226 PROJECT NO. FAX #				VOCs 8260 TOC - 415.1 BED - 405.1 COB TEN TO B/P Ammonia, Nitrite, Chloride, Nitrate, Sulfide 376.1 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:			HC	HC/HC	HC/HC	HC/HC	HC/HC		HC/HC									
1	PIN 20 - M023	10/12/04	1525	SDL	GW	3	3															
2	PIN 20 - 0502	10/12/04	1315	DT	GW	11	3	3	1	2												
3	PIN 20 - 0550	10/12/04	1300	DT	GW	4			1													
4	PIN 20 - 0503	10/12/04	1445	DT	GW	4			1													
5	PIN 20 - 0554	10/12/04	1205	DT	GW	3																
6	PIN 20 - M025	10/12/04	1540	DT	GW	3																
7	PIN 20 - M024	10/12/04	1043	JXC	GW	3																
8	PIN 20 - 0554	10/13/04	0800	SDL	GW	3																
9	PIN 20 - M061	10/13/04	0930	SDL	GW	10	3	3		2	2											
10	PIN 20 - MWL3	10/13/04	0840	DT	GW	11	3	3		2	2											
11	PIN 20 - MWL4	10/13/04	1030	DT	GW	11	3	3		2	2											
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION				COMMENTS/REMARKS																
<input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____																				
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																						
RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RECEIVED BY:										
1. <i>Bruce W. Hoata</i>	10/13/04 1205	1. <i>M-VW</i>	10/13/04 1210	2. <i>M-VW</i>	10/13/04	18120																
3.		3.		4.																		
5.		5.																				
										PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE										
										<input type="checkbox"/>	<input type="checkbox"/>	20	2.4 C									

4.1
4

F27399: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F27399**

Client: SM Stoller Project: Star Center

Date Received: 10/13/04 Time Received: 18:20

of Coolers Received: 2 Cooler Temperatures: 2.0 2.4

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number: _____

Cooler Custody Seals Intact? Yes No

Chain of Custody Provided? Yes No

COC Match Bottle Label ID's? Yes No

Sample Labels Present on all bottles? Yes No

All Analyses Marked On COC? Yes No

Are All Bottles Intact? Yes No

Samples Preserved Correctly? Yes No

Correct Number of Containers Used? Yes No

Sufficient Sample Volume? Yes No

Trip Blank Provided? Yes No

Trip Blank Intact? Yes No

Trip Blank Matrix? Yes No

Number of Encores? Yes No

Number of Soil Field Kits? Yes No

Summary of Comments: MISSING metals bottle for Pin 20-M061

Signature: [Signature] Date: 10/13/04

Review Signature: _____



12/27/04

Technical Report for

S M Stoller

Quarterly Sampling, STAR Center, Largo, FL

7030-226

Accutest Job Number: F27435

Sampling Date: 10/14/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **29**



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: F27435

Quarterly Sampling, STAR Center, Largo, FL
 Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F27435-1	10/14/04	08:10 JPC	10/14/04	AQ	Ground Water	PIN20-0553
F27435-2	10/14/04	09:00 JPC	10/14/04	AQ	Ground Water	PIN20-0555
F27435-3	10/14/04	08:25 JPC	10/14/04	AQ	Ground Water	PIN20-M007
F27435-4	10/14/04	09:02 JPC	10/14/04	AQ	Ground Water	PIN20-M056
F27435-5	10/14/04	10:00 JPC	10/14/04	AQ	Ground Water	PIN20-M18D
F27435-6	10/14/04	10:18 JPC	10/14/04	AQ	Ground Water	PIN20-M057
F27435-7	10/14/04	09:10 JPC	10/14/04	AQ	Ground Water	PIN20-M064
F27435-8	10/14/04	11:05 JPC	10/14/04	AQ	Ground Water	PIN20-MWL2
F27435-9	10/14/04	11:05 JPC	10/14/04	AQ	Ground Water	PIN20-M058

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F27435

Site: Quarterly Sampling, STAR Center, Largo, FL

Report Date 11/4/2004

9 Samples were collected on 10/14/2004 and were received at Accutest on 10/14/2004 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F27435. 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: VB1098

Samples F27501-1MS, F27501-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

Blank Spike Recovery for 2-Chloroethyl vinyl ether is above control limits. The associated samples are non-detect for this compound.

Data not adversely affected.

F27435-4: Sample was treated with an anti-foaming agent.

F27435-5: Sample was treated with an anti-foaming agent.

F27435-6: Sample was treated with an anti-foaming agent.

F27435-7: Sample was treated with an anti-foaming agent.

F27435-8: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VB1099

Samples F27565-4MS, F27565-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

Blank Spike Recovery for 2-Chloroethyl vinyl ether is above control limits. The associated samples are non-detect for this compound.

Data not adversely affected.

F27435-8: Sample was treated with an anti-foaming agent.

F27435-9: Sample was treated with an anti-foaming agent.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP7309

Samples F27554-1DUP, F27554-1MS, F27554-1MSD, F27554-1SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP6018

Samples F27428-1DUP, F27428-1DUP, F27428-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

All method blanks for this batch meet method specific criteria.

\Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP6060

All method blanks for this batch meet method specific criteria.

Samples F27250-5DUP, F27250-5MS, F27250-5MSD were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.

F27435-3 for Nitrogen, Ammonia: Estimated value, above calibration range. Limited sample. Sample could not be reanalyzed.

Wet Chemistry By Method EPA 351.3

Matrix: AQ

Batch ID: GP6034

Samples F27399-10DUP, F27399-10MS, F27399-10MSD were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 365.3

Matrix: AQ

Batch ID: GP5995

Samples F27363-1DUP, F27363-1MS, F27363-1MSD were used as the QC samples for Phosphate, Ortho, Phosphate, Ortho.

All method blanks for this batch meet method specific criteria.

Matrix: AQ

Batch ID: GP6033

Sample(s) F27302-1DUP, F27302-1MS, F27302-1MSD were used as the QC samples for Phosphorus, Total, Phosphorus, Total.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 376.1

Matrix: AQ

Batch ID: GN15909

Samples F27399-10DUP, F27399-10MS were used as the QC samples for Sulfide, Sulfide.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 405.1

Matrix: AQ

Batch ID: GP5994

Samples F27399-2DUP, F27399-2MS, F27399-2MSD were used as the QC samples for BOD, 5 Day, BOD, 5 Day.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 410.1

Matrix: AQ

Batch ID: GP5997

All method blanks for this batch meet method specific criteria.

Samples F27463-1DUP, F27463-1MS, F27463-1MSD were used as the QC samples for Chemical Oxygen Demand, Chemical Oxygen Demand.

Blank Spike Recovery for Chemical Oxygen Demand is outside control limits. The limits are 92-118% and the recovery was 90.7%. The associated MS/MSD was within limits.

Wet Chemistry By Method EPA 415.1

Matrix: AQ

Batch ID: GN15975

All method blanks for this batch meet method specific criteria.

Samples F27435-3DUP, F27435-3MS, F27435-3MSD were used as the QC samples for Total Organic Carbon, Total Organic Carbon.

All method blanks for this batch meet method specific criteria.

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

Narrative prepared by:

Date: November 05, 2004

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

Report of Analysis

Client Sample ID: PIN20-0553	
Lab Sample ID: F27435-1	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B025539.D	1	10/27/04	KW	n/a	n/a	VB1098
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: PIN20-0553		Date Sampled: 10/14/04
Lab Sample ID: F27435-1		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	87%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	97%		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: PIN20-0555	
Lab Sample ID: F27435-2	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B025540.D	1	10/27/04	KW	n/a	n/a	VB1098
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: PIN20-0555		Date Sampled: 10/14/04
Lab Sample ID: F27435-2		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	86%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	96%		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

32
3

Client Sample ID: PIN20-0555	
Lab Sample ID: F27435-2	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.5 U	10	3.5	ug/l	1	10/22/04	10/23/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4047

(2) Prep QC Batch: MP7309

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: PIN20-M007		Date Sampled: 10/14/04
Lab Sample ID: F27435-3		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	4.6	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	147	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	65.3	2.0	1.0	mg/l	1	10/15/04 20:09	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia ^a	3.2	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.080 B	0.10	0.050	mg/l	1	10/15/04 20:09	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/15/04 20:09	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.7	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.21	0.10	0.020	mg/l	1	10/15/04	MP	EPA 365.3
Phosphorus, Total	0.078 B	0.10	0.0090	mg/l	1	10/26/04	KG	EPA 365.3
Sulfate	4.5	2.0	1.0	mg/l	1	10/15/04 20:09	SJL	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	61.3	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

(a) Estimated value, above calibration range. Limited sample.

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:	PIN20-M056	
Lab Sample ID:	F27435-4	Date Sampled: 10/14/04
Matrix:	AQ - Ground Water	Date Received: 10/14/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B025553.D	1	10/28/04	KW	n/a	n/a	VB1098
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M056		Date Sampled: 10/14/04
Lab Sample ID: F27435-4		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	5.5	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	88%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

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

Report of Analysis

Client Sample ID: PIN20-M18D	
Lab Sample ID: F27435-5	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B025554.D	1	10/28/04	KW	n/a	n/a	VB1098
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	13.3	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M18D	
Lab Sample ID: F27435-5	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	6.9	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%		86-115%
17060-07-0	1,2-Dichloroethane-D4	85%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

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

Report of Analysis

Client Sample ID: PIN20-M18D		Date Sampled: 10/14/04
Lab Sample ID: F27435-5		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	72.0	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	71.5	2.0	1.0	mg/l	1	10/15/04 20:24	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.34	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/15/04 20:24	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/15/04 20:24	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	0.94	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.15	0.10	0.020	mg/l	1	10/15/04	MP	EPA 365.3
Phosphorus, Total	0.082 B	0.10	0.0090	mg/l	1	10/26/04	KG	EPA 365.3
Sulfate	318	10	5.0	mg/l	5	11/02/04 14:55	MP	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	28.0	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

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: PIN20-M057	
Lab Sample ID: F27435-6	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B025555.D	1	10/28/04	KW	n/a	n/a	VB1098
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	8.4	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M057	
Lab Sample ID: F27435-6	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	4.6	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	86%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	97%		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: PIN20-M064	
Lab Sample ID: F27435-7	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B025556.D	1	10/28/04	KW	n/a	n/a	VB1098
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M064		Date Sampled: 10/14/04
Lab Sample ID: F27435-7		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	9.4	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%		86-115%
17060-07-0	1,2-Dichloroethane-D4	86%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		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: PIN20-M064	Date Sampled: 10/14/04
Lab Sample ID: F27435-7	Date Received: 10/14/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	144	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	25.8	2.0	1.0	mg/l	1	10/15/04 20:39	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.83	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/15/04 20:39	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/15/04 20:39	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.7	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	4.6	1.0	0.20	mg/l	10	10/15/04	MP	EPA 365.3
Phosphorus, Total	0.95	0.50	0.045	mg/l	5	10/26/04	KG	EPA 365.3
Sulfate	1650	50	25	mg/l	25	11/02/04 15:10	MP	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	52.0	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

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:	PIN20-MWL2	Date Sampled:	10/14/04
Lab Sample ID:	F27435-8	Date Received:	10/14/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Quarterly Sampling, STAR Center, Largo, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B025557.D	1	10/28/04	KW	n/a	n/a	VB1098
Run #2 ^a	B025567.D	2	10/28/04	KW	n/a	n/a	VB1099

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	0.74	1.0	0.50	ug/l	J
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	2.1	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	23.7	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	23.8	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-MWL2		Date Sampled: 10/14/04
Lab Sample ID: F27435-8		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	124 ^b	2.0	1.0	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%	99%	86-115%
17060-07-0	1,2-Dichloroethane-D4	85%	86%	73-126%
2037-26-5	Toluene-D8	102%	103%	86-112%
460-00-4	4-Bromofluorobenzene	99%	102%	83-119%

- (a) Sample was treated with an anti-foaming agent.
- (b) 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: PIN20-MWL2	
Lab Sample ID: F27435-8	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.5 U	10	3.5	ug/l	1	10/22/04	10/23/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4047

(2) Prep QC Batch: MP7309

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: PIN20-M058	
Lab Sample ID: F27435-9	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B025566.D	1	10/28/04	KW	n/a	n/a	VB1099
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.9	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.9
3

Client Sample ID: PIN20-M058		Date Sampled: 10/14/04
Lab Sample ID: F27435-9		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	2.3	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%		86-115%
17060-07-0	1,2-Dichloroethane-D4	87%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	101%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F277435**

Client: S.M. Steller Project: Star Center Quarterly

Date Received: 10-14-04 Time Received: 1140

of Coolers Received: 1 Cooler Temperature: 2.4

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number: _____

Cooler Custody Seals Intact? Yes No

Chain of Custody Provided? Yes No

COC Match Bottle Label ID's? Yes No

Sample Labels Present on all bottles? Yes No

All Analyses Marked On COC? Yes No

Are All Bottles Intact? Yes No

Samples Preserved Correctly? Yes No

Correct Number of Containers Used? Yes No

Sufficient Sample Volume? Yes No

Trip Blank Provided? Yes No

Trip Blank on COC? Yes No

Trip Blank Intact? Yes No

Trip Blank Matrix? Yes No

Number of Encores? Yes No

Number of Soil Field Kits? Yes No

Summary of Comments: _____

Signature: Sam Salan Date: 10-14-04

Review Signature: _____



12/27/04

Technical Report for

S M Stoller

Quarterly Sampling, STAR Center, Largo, FL

7030-226

Accutest Job Number: F27436

Sampling Date: 10/13/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **19**



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: F27436

Quarterly Sampling, STAR Center, Largo, FL
Project No: 7030-226

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F27436-1	10/13/04	14:35	SDL	10/14/04	AQ Ground Water	PIN20-M055
F27436-2	10/13/04	13:00	SDL	10/14/04	AQ Ground Water	PIN20-M060
F27436-3	10/13/04	14:15	SDL	10/14/04	AQ Ground Water	PIN20-M028
F27436-4	10/13/04	15:00	SDL	10/14/04	AQ Ground Water	PIN20-0556
F27436-5	10/13/04	14:15	SDL	10/14/04	AQ Ground Water	PIN20-M063

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F27436

Site: Quarterly Sampling, STAR Center, Largo, FL

Report Date 11/4/2004

5 Samples were collected on 10/13/2004 and were received at Accutest on 10/14/2004 properly preserved, at 2.4 Deg. C and intact. These Samples received an Accutest job number of F27436. 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: VC1158

Samples F27483-7MS, F27483-7MSD 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.

F27436-1: Sample was treated with an anti-foaming agent.

F27436-2: Sample was treated with an anti-foaming agent.

F27436-4: Sample was treated with an anti-foaming agent.

F27436-5: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VC1159

Samples F27485-2MS, F27485-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP6019

All method blanks for this batch meet method specific criteria.

Samples F27436-2DUP, F27436-2DUP, F27436-2MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

Matrix Spike Recovery for Nitrogen, Nitrite, Sulfate are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP6060

Samples F27250-5DUP, F27250-5MS, F27250-5MSD were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 351.3

Matrix: AQ

Batch ID: GP6034

Samples F27399-10DUP, F27399-10MS, F27399-10MSD were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 365.3

Matrix: AQ

Batch ID: GP5995

All method blanks for this batch meet method specific criteria.

Samples F27363-1DUP, F27363-1MS, F27363-1MSD were used as the QC samples for Phosphate, Ortho, Phosphate, Ortho.

Matrix: AQ

Batch ID: GP6033

Samples F27302-1DUP, F27302-1MS, F27302-1MSD were used as the QC samples for Phosphorus, Total, Phosphorus, Total.

All method blanks for this batch meet method specific criteria.

Report of Analysis

Client Sample ID: PIN20-M055		
Lab Sample ID: F27436-1		Date Sampled: 10/13/04
Matrix: AQ - Ground Water		Date Received: 10/14/04
Method: SW846 8260B		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0027322.D	1	10/26/04	KW	n/a	n/a	VC1158
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

Client Sample ID: PIN20-M055		Date Sampled: 10/13/04
Lab Sample ID: F27436-1		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	0.80	1.0	0.50	ug/l	J
	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	104%		86-115%
17060-07-0	1,2-Dichloroethane-D4	107%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	104%		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:	PIN20-M060		
Lab Sample ID:	F27436-2	Date Sampled:	10/13/04
Matrix:	AQ - Ground Water	Date Received:	10/14/04
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0027323.D	1	10/26/04	KW	n/a	n/a	VC1158
Run #2	C0027338.D	10	10/27/04	KW	n/a	n/a	VC1159

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	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	76.7	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	27.0	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	1.7	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

32
3

Client Sample ID: PIN20-M060		Date Sampled: 10/13/04
Lab Sample ID: F27436-2		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	455 ^b	10	5.0	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%	98%	86-115%
17060-07-0	1,2-Dichloroethane-D4	102%	103%	73-126%
2037-26-5	Toluene-D8	98%	102%	86-112%
460-00-4	4-Bromofluorobenzene	101%	103%	83-119%

- (a) Sample was treated with an anti-foaming agent.
- (b) 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: PIN20-M060		Date Sampled: 10/13/04
Lab Sample ID: F27436-2		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	115	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	46.0	2.0	1.0	mg/l	1	10/15/04 21:54	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.52	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/15/04 21:54	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/15/04 21:54	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.6	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.087 B	0.10	0.020	mg/l	1	10/15/04	MP	EPA 365.3
Phosphorus, Total	0.15	0.10	0.0090	mg/l	1	10/26/04	KG	EPA 365.3
Sulfate	135	10	5.0	mg/l	5	11/02/04 15:54	MP	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	46.2	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

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: PIN20-M028	Date Sampled: 10/13/04
Lab Sample ID: F27436-3	Date Received: 10/14/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.3	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	123	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	38.6	2.0	1.0	mg/l	1	10/15/04 22:08	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.45	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/15/04 22:08	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/15/04 22:08	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.8	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.17	0.10	0.020	mg/l	1	10/15/04	MP	EPA 365.3
Phosphorus, Total	0.097 B	0.10	0.0090	mg/l	1	10/26/04	KG	EPA 365.3
Sulfate	29.6	2.0	1.0	mg/l	1	10/15/04 22:08	SJL	EPA 300/SW846 9056
Sulfide	1.2	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	48.1	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

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: PIN20-0556	
Lab Sample ID: F27436-4	Date Sampled: 10/13/04
Matrix: AQ - Ground Water	Date Received: 10/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0027324.D	1	10/26/04	KW	n/a	n/a	VC1158
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-0556		Date Sampled: 10/13/04
Lab Sample ID: F27436-4		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	99%		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:	PIN20-M063		
Lab Sample ID:	F27436-5	Date Sampled:	10/13/04
Matrix:	AQ - Ground Water	Date Received:	10/14/04
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0027325.D	1	10/26/04	KW	n/a	n/a	VC1158
Run #2	C0027337.D	100	10/27/04	KW	n/a	n/a	VC1159
Run #3	C0027343.D	200	10/27/04	KW	n/a	n/a	VC1159

Run #	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml
Run #3	5.0 ml

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	1.2	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	58.0	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	8160 ^b	200	100	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	562 ^c	100	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	

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:	PIN20-M063	
Lab Sample ID:	F27436-5	Date Sampled: 10/13/04
Matrix:	AQ - Ground Water	Date Received: 10/14/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-88-3	Toluene	5.2	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	5930 ^c	100	50	ug/l	
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	3100 ^c	100	50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Run# 3	Limits
1868-53-7	Dibromofluoromethane	101%	102%	98%	86-115%
17060-07-0	1,2-Dichloroethane-D4	99%	101%	102%	73-126%
2037-26-5	Toluene-D8	99%	102%	103%	86-112%
460-00-4	4-Bromofluorobenzene	106%	100%	99%	83-119%

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

(b) Result is from Run# 3

(c) 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: PIN20-M063		Date Sampled: 10/13/04
Lab Sample ID: F27436-5		Date Received: 10/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.1	2.0	2.0	mg/l	1	10/20/04 08:00	KG	EPA 405.1
Chemical Oxygen Demand	104	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	58.6	2.0	1.0	mg/l	1	10/15/04 22:53	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	1.0	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	10/15/04 22:53	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/15/04 22:53	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	2.0	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	1.6	0.50	0.10	mg/l	5	10/15/04	MP	EPA 365.3
Phosphorus, Total	2.4	0.50	0.045	mg/l	5	10/26/04	KG	EPA 365.3
Sulfate	1220	50	25	mg/l	25	11/02/04 16:08	MP	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	28.0	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

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 SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F27436

Accutest's Job Number:

Client: S.M. Stoller Project: Star Center Quarterly

Date Received: 12-14-04 Time Received: 17:40

of Coolers Received: 1 Cooler Temperatures: 2.4

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact? Yes No

Chain of Custody Provided? Yes No

COC Match Bottle Label ID's? Yes No

Sample Labels Present on all bottles? Yes No

All Analyses Marked On COC? Yes No

Are All Bottles Intact? Yes No

Samples Preserved Correctly? Yes No

Correct Number of Containers Used? Yes No

Sufficient Sample Volume? Yes No

Trip Blank Provided? Yes No

Trip Blank on COC? Yes No

Trip Blank Intact? Yes No

Trip Blank Matrix? Yes No

Number of Encores? Yes No

Number of Soil Field Kits? Yes No

Summary of Comments:

Signature: [Signature] Date: 12-14-04

Review Signature: _____ Date: _____



12/27/04

Technical Report for

S M Stoller

Quarterly Sampling, STAR Center, Largo, FL

7030-226

Accutest Job Number: F27476

Sampling Date: 10/15/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **21**



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: F27476

Quarterly Sampling, STAR Center, Largo, FL
Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F27476-1	10/15/04	08:05 DT	10/15/04	AQ	Ground Water	PIN20-M015
F27476-2	10/15/04	08:35 DT	10/15/04	AQ	Ground Water	PIN20-MWL1
F27476-3	10/15/04	08:00 DT	10/15/04	AQ	Ground Water	PIN20-0558
F27476-4	10/15/04	08:10 DT	10/15/04	AQ	Ground Water	PIN20-MWL6
F27476-5	10/15/04	09:30 DT	10/15/04	AQ	Ground Water	PIN20-M062
F27476-6	10/15/04	00:00 DT	10/15/04	AQ	Ground Water	PIN20-0551

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F27476

Site: Quarterly Sampling, STAR Center, Largo, FL

Report Date 10/29/2004

6 Samples were collected on 10/15/2004 and were received at Accutest on 10/15/2004 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F27476. 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: VJ493

All samples were analyzed within the recommended method holding time.

Samples N80896-13MS, N80896-13MSD 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.

RPD for MS/MSD for 2-Chloroethyl vinyl ether is outside control limits for sample N80896-13MSD. Probable cause due to sample homogeneity.

Matrix: AQ

Batch ID: VJ494

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples N80853-1BMS, N80853-1BMSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: VJ495

All samples were analyzed within the recommended method holding time.

Samples F27527-2MS, F27527-2MSD 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, Benzene are outside control limits. Probable cause due to matrix interference.

RPD for MS/MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F27527-2MSD. Probable cause due to sample homogeneity.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP7314

Samples F27461-5MS, F27461-5MSD, F27461-5SDL, F27461-5DUP 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 MP7314-D1. RPD acceptable due to low duplicate and sample concentrations.

RPD for Serial Dilution for Arsenic are outside control limits for sample MP7314-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:

Date: October 29, 2004

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

Report of Analysis

Client Sample ID: PIN20-M015	
Lab Sample ID: F27476-1	Date Sampled: 10/15/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J011908.D	1	10/26/04	RA	n/a	n/a	VJ493
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: PIN20-M015		Date Sampled: 10/15/04
Lab Sample ID: F27476-1		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	0.80	1.0	0.50	ug/l	J
	m,p-Xylene	0.78	2.0	0.50	ug/l	J
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	98%		73-126%
2037-26-5	Toluene-D8	102%		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: PIN20-MWL1	
Lab Sample ID: F27476-2	Date Sampled: 10/15/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J011909.D	1	10/27/04	RA	n/a	n/a	VJ493
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	6.1	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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3

Client Sample ID: PIN20-MWL1		Date Sampled: 10/15/04
Lab Sample ID: F27476-2		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	5.4	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	99%		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: PIN20-0558	
Lab Sample ID: F27476-3	Date Sampled: 10/15/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J011910.D	1	10/27/04	RA	n/a	n/a	VJ493
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-0558		Date Sampled: 10/15/04
Lab Sample ID: F27476-3		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	104%		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:	PIN20-MWL6		Date Sampled:	10/15/04
Lab Sample ID:	F27476-4		Date Received:	10/15/04
Matrix:	AQ - Ground Water		Percent Solids:	n/a
Method:	SW846 8260B			
Project:	Quarterly Sampling, STAR Center, Largo, FL			

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J011911.D	1	10/27/04	RA	n/a	n/a	VJ493
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

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Client Sample ID: PIN20-MWL6		Date Sampled: 10/15/04
Lab Sample ID: F27476-4		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	106%		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:	PIN20-MWL6	
Lab Sample ID:	F27476-4	Date Sampled: 10/15/04
Matrix:	AQ - Ground Water	Date Received: 10/15/04
Project:	Quarterly Sampling, STAR Center, Largo, FL	
		Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.5 U	10	3.5	ug/l	1	10/25/04	10/26/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4050

(2) Prep QC Batch: MP7314

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:	PIN20-M062		
Lab Sample ID:	F27476-5	Date Sampled:	10/15/04
Matrix:	AQ - Ground Water	Date Received:	10/15/04
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J011912.D	1	10/27/04	RA	n/a	n/a	VJ493
Run #2	J011924.D	50	10/27/04	RA	n/a	n/a	VJ494

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	1.2	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	3.0	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	1190 ^a	50	25	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	9.9	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	8.7	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: PIN20-M062		Date Sampled: 10/15/04
Lab Sample ID: F27476-5		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	2310 ^a	50	25	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%	97%	86-115%
17060-07-0	1,2-Dichloroethane-D4	102%	99%	73-126%
2037-26-5	Toluene-D8	107%	105%	86-112%
460-00-4	4-Bromofluorobenzene	106%	106%	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:	PIN20-0551	
Lab Sample ID:	F27476-6	Date Sampled: 10/15/04
Matrix:	AQ - Ground Water	Date Received: 10/15/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J011958.D	1	10/28/04	JG	n/a	n/a	VJ495
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

Client Sample ID: PIN20-0551		Date Sampled: 10/15/04
Lab Sample ID: F27476-6		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	106%		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

3.6
3

Client Sample ID: PIN20-0551		Date Sampled: 10/15/04
Lab Sample ID: F27476-6		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Arsenic	3.5 U	10	3.5	ug/l	1	10/25/04	10/26/04 SM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4050

(2) Prep QC Batch: MP7314

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 #: **F27476**
ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION								MATRIX CODES
S M Stoller NAME 7887 Bryan Dairy Rd Suite 260 ADDRESS Large FL 33777 CITY, STATE ZIP SEND REPORT TO: PHONE #		STAR Center Quarterly Sampling PROJECT NAME Large FL LOCATION 7030 - 226 PROJECT NO. FAX #				VOCs B260B 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:			HCI	MOIST	INOC	REFRIG	NONE			
1	PIN20-M015	10/15/04	0805	DT	GW	3	3						3	
2	PIN20-MWL1	10/15/04	0835	DT	GW	3	3						3	
3	PIN20-O558	10/15/04	0800	SDL	GW	3	3						3	
4	PIN20-MWL6	10/15/04	0810	SDL	GW	4	3	1					3 1	
5	PIN20-M062	10/15/04	0930	SDL	GW	3	3						3	
6	PIN20-O551	10/15/04		SDL	GW	4	3	1					3 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 SAMPLER:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	
1. Tom Maxwell	10-15-04 13:15	1. A. V. V. A.	10/15/04 13:15	2. [Signature]	10/15/04	2. [Signature]	16:40	3. [Signature]	10-15-04	3. [Signature]	10-15-04	4. [Signature]	16:40	
3.		3.		4.		4.		5.		5.		5.		
SEAL #											PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE	
											<input type="checkbox"/>	<input type="checkbox"/>	21.0 C	

4.1
4

F27476: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F27476

Accutest's Job Number:

Client: SM Steller

Project: Star Cater Quarterly

Date Received: 10-15-04

Time Received: 9:00

of Coolers Received: 5

Cooler Temperatures: 2.0, 2.0

Delivery Method: FedEx UPS

Accutest Courier Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?

Yes No

Chain of Custody Provided ?

Yes No

COC Match Bottle Label ID's ?

Yes No

Sample Labels Present on all bottles ?

Yes No

All Analyses Marked On COC ?

Yes No

Are All Bottles Intact ?

Yes No

Samples Preserved Correctly ?

Yes No

Correct Number of Containers Used ?

Yes No

Sufficient Sample Volume ?

Yes No

Trip Blank Provided ?

Yes No

Trip Blank Intact ?

Yes No

Trip Blank Matrix ?

Yes No

Number of Encores ?

Yes No

Number of Soil Field Kits ?

Yes No

Summary of Comments:

(Handwritten notes in margin)

Signature: *(Handwritten Signature)*

Review Signature: *(Handwritten Signature)*

Date: 10-15-04



12/27/04

Technical Report for

S M Stoller

Quarterly Sampling, STAR Center, Largo, FL

7030-226

Accutest Job Number: F27477

Sampling Date: 10/14/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **27**



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: F27477

Quarterly Sampling, STAR Center, Largo, FL
 Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F27477-1	10/14/04	13:30 SDL	10/15/04	AQ	Ground Water	PIN20-M053
F27477-2	10/14/04	13:36 SDL	10/15/04	AQ	Ground Water	PIN20-M019
F27477-3	10/14/04	14:22 SDL	10/15/04	AQ	Ground Water	PIN20-M059
F27477-4	10/14/04	13:00 SDL	10/15/04	AQ	Ground Water	PIN20-0557
F27477-5	10/14/04	14:50 SDL	10/15/04	AQ	Ground Water	PIN20-M22D
F27477-6	10/14/04	14:51 SDL	10/15/04	AQ	Ground Water	PIN20-MWL5
F27477-7	10/14/04	14:15 SDL	10/15/04	AQ	Ground Water	PIN20-M049
F27477-8	10/14/04	13:00 SDL	10/15/04	AQ	Ground Water	PIN20-M001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F27477

Site: Quarterly Sampling, STAR Center, Largo, FL

Report Date 11/10/2004

8 Samples were collected on 10/14/2004 and were received at Accutest on 10/15/2004 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F27477. 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: VM65

Samples F27512-3MS, F27512-3MSD 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.

F27477-1: Sample was treated with an anti-foaming agent.

F27477-2: Sample was treated with an anti-foaming agent.

F27477-3: Sample was treated with an anti-foaming agent.

F27477-4: Sample was treated with an anti-foaming agent.

F27477-5 Sample was treated with an anti-foaming agent.

F27477-6: Sample was treated with an anti-foaming agent.

F27477-7: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VM66

All method blanks for this batch meet method specific criteria.

Samples F27490-3MS, F27490-3MSD were used as the QC samples indicated.

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

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

F27477-8 for Methylene chloride: Suspected laboratory contaminant. The Method Blank was non-detect, however, the dilution water reservoir was suspected of being contaminated with Methylene Chloride. Therefore any low level detects of Methylene Chloride on dilutions were being flagged accordingly.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP6021

All method blanks for this batch meet method specific criteria.

Samples F27477-1DUP, F27477-1DUP, F27477-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

Matrix Spike Recovery for Chloride is outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix Spike Recovery for Sulfate is outside control limits. Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP6060

Samples F27250-5DUP, F27250-5MS, F27250-5MSD were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 351.3

Matrix: AQ **Batch ID:** GP6034

Samples F27399-10DUP, F27399-10MS, F27399-10MSD were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP6001

Samples F27477-1DUP, F27477-1MS were used as the QC samples for Phosphate, Ortho, Phosphate, Ortho.

All method blanks for this batch meet method specific criteria.

GP6001-S1 for Phosphate, Ortho: Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

Matrix: AQ **Batch ID:** GP6041

All method blanks for this batch meet method specific criteria.

Samples F27361-3DUP, F27361-3MS, F27361-3MSD were used as the QC samples for Phosphorus, Total, Phosphorus, Total.

Wet Chemistry By Method EPA 376.1

Matrix: AQ **Batch ID:** GN15909

All method blanks for this batch meet method specific criteria.

Samples F27399-10DUP, F27399-10MS were used as the QC samples for Sulfide, Sulfide.

Wet Chemistry By Method EPA 405.1

Matrix: AQ **Batch ID:** GP5996

Samples F27477-1DUP, F27477-1MS were used as the QC samples for BOD, 5 Day, BOD, 5 Day.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery for BOD, 5 Day is below control limits. The associated samples are non-detect for BOD and the associated MS/MSD was within limits. Data not adversely affected.

GP5996-MB2: Seed correction factor below set limits.

GP5996-S1: Seed correction factor below set limits.

GP5996-MB1: Seed correction factor below set limits.

F27477-1: Seed correction factor below set limits.

GP5996-B2: Seed correction factor below set limits.

F27477-8: Seed correction factor below set limits.

GP5996-D1: Seed correction factor below set limits.

GP5996-B1: Seed correction factor below set limits.

Wet Chemistry By Method EPA 410.1

Matrix: AQ **Batch ID:** GP5997

Samples F27463-1DUP, F27463-1MS, F27463-1MSD were used as the QC samples for Chemical Oxygen Demand, Chemical Oxygen Demand.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery for Chemical Oxygen Demand is below control limits. The associated samples are non-detect for COD and the associated MS/MSD was within limits. Data not adversely affected.

Wet Chemistry By Method EPA 415.1

Matrix: AQ **Batch ID:** GN15975

Samples F27435-3DUP, F27435-3MS, F27435-3MSD were used as the QC samples for Total Organic Carbon, Total Organic Carbon.

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:

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

Date: November 09, 2004

Report of Analysis

Client Sample ID: PIN20-M053	
Lab Sample ID: F27477-1	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0001505.D	1	10/27/04	NJ	n/a	n/a	VM65
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M053	
Lab Sample ID: F27477-1	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	5.1	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	105%		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	100%		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

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Client Sample ID: PIN20-M053		Date Sampled: 10/14/04
Lab Sample ID: F27477-1		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	10/21/04 11:00	SJL	EPA 405.1
Chemical Oxygen Demand	80.0	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	37.7	2.0	1.0	mg/l	1	10/16/04 12:40	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.48	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.11	0.10	0.050	mg/l	1	10/16/04 12:40	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/16/04 12:40	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.2	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.67	0.50	0.10	mg/l	5	10/16/04 13:00	SJL	EPA 365.3
Phosphorus, Total	0.71	0.20	0.018	mg/l	2	10/29/04	MP	EPA 365.3
Sulfate	333	10	5.0	mg/l	5	10/16/04 15:37	SJL	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	37.4	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

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: PIN20-M019		
Lab Sample ID: F27477-2		Date Sampled: 10/14/04
Matrix: AQ - Ground Water		Date Received: 10/15/04
Method: SW846 8260B		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0001506.D	1	10/27/04	NJ	n/a	n/a	VM65
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M019	
Lab Sample ID: F27477-2	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	1.4	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	102%		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: PIN20-M059		Date Sampled: 10/14/04
Lab Sample ID: F27477-3		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0001507.D	1	10/27/04	NJ	n/a	n/a	VM65
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6.1	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	0.99	1.0	0.50	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID: PIN20-M059	
Lab Sample ID: F27477-3	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	47.3	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	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	103%		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: PIN20-0557		Date Sampled: 10/14/04
Lab Sample ID: F27477-4		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0001508.D	1	10/27/04	NJ	n/a	n/a	VM65
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	1.1	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID: PIN20-0557		Date Sampled: 10/14/04
Lab Sample ID: F27477-4		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	100%		86-112%
460-00-4	4-Bromofluorobenzene	103%		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:	PIN20-M22D	
Lab Sample ID:	F27477-5	Date Sampled: 10/14/04
Matrix:	AQ - Ground Water	Date Received: 10/15/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0001509.D	1	10/27/04	NJ	n/a	n/a	VM65
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M22D		Date Sampled: 10/14/04
Lab Sample ID: F27477-5		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	1.4	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	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	102%		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: PIN20-MWL5	
Lab Sample ID: F27477-6	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0001510.D	1	10/27/04	NJ	n/a	n/a	VM65
Run #2							

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

VOA Special List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-MWL5		Date Sampled: 10/14/04
Lab Sample ID: F27477-6		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	103%		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: PIN20-M049		
Lab Sample ID: F27477-7		Date Sampled: 10/14/04
Matrix: AQ - Ground Water		Date Received: 10/15/04
Method: SW846 8260B		Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	M0001511.D	1	10/27/04	NJ	n/a	n/a	VM65
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	1.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	7.7	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	0.69	1.0	0.50	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-M049		Date Sampled: 10/14/04
Lab Sample ID: F27477-7		Date Received: 10/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Quarterly Sampling, STAR Center, Largo, FL		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	1.0	0.60	ug/l	
75-01-4	Vinyl chloride	4.8	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	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	100%		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: PIN20-M001	
Lab Sample ID: F27477-8	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0001520.D	20	10/28/04	NJ	n/a	n/a	VM66
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	20	10	ug/l	
75-27-4	Bromodichloromethane	ND	20	10	ug/l	
75-25-2	Bromoform	ND	20	10	ug/l	
108-90-7	Chlorobenzene	ND	20	10	ug/l	
75-00-3	Chloroethane	ND	20	20	ug/l	
67-66-3	Chloroform	ND	20	10	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	100	50	ug/l	
56-23-5	Carbon tetrachloride	ND	20	10	ug/l	
75-34-3	1,1-Dichloroethane	ND	20	10	ug/l	
75-35-4	1,1-Dichloroethylene	12.0	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	1120	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	87.7	20	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	20	6.0	ug/l	
100-41-4	Ethylbenzene	ND	20	10	ug/l	
74-83-9	Methyl bromide	ND	20	20	ug/l	
74-87-3	Methyl chloride	ND	20	20	ug/l	
75-09-2	Methylene chloride ^a	22.9	20	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	20	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	20	6.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	20	10	ug/l	
127-18-4	Tetrachloroethylene	ND	20	10	ug/l	
108-88-3	Toluene	ND	20	10	ug/l	
79-01-6	Trichloroethylene	21.4	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: PIN20-M001	
Lab Sample ID: F27477-8	Date Sampled: 10/14/04
Matrix: AQ - Ground Water	Date Received: 10/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	20	12	ug/l	
75-01-4	Vinyl chloride	1580	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	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	96%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

(a) Suspected laboratory contaminant.

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

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

Report of Analysis

Client Sample ID: PIN20-M001	Date Sampled: 10/14/04
Lab Sample ID: F27477-8	Date Received: 10/15/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Quarterly Sampling, STAR Center, Largo, FL	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	10/21/04 11:00	SJL	EPA 405.1
Chemical Oxygen Demand	152	20	2.8	mg/l	1	10/18/04	MCR	EPA 410.1
Chloride	61.3	2.0	1.0	mg/l	1	10/16/04 12:55	SJL	EPA 300/SW846 9056
Nitrogen, Ammonia	0.71	0.20	0.10	mg/l	1	11/01/04	KG	EPA 350.2
Nitrogen, Nitrate	0.070 B	0.10	0.050	mg/l	1	10/16/04 12:55	SJL	EPA 300/SW846 9056
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	10/16/04 12:55	SJL	EPA 300/SW846 9056
Nitrogen, Total Kjeldahl	1.5	0.20	0.10	mg/l	1	10/27/04	KG	EPA 351.3
Phosphate, Ortho	0.16	0.10	0.020	mg/l	1	10/16/04 13:00	SJL	EPA 365.3
Phosphorus, Total	0.16	0.10	0.0090	mg/l	1	10/29/04	MP	EPA 365.3
Sulfate	269	10	5.0	mg/l	5	10/16/04 15:52	SJL	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	10/20/04	MP	EPA 376.1
Total Organic Carbon	56.9	1.0	0.50	mg/l	1	10/27/04	LE	EPA 415.1

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

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX CODES					
S.M. Stoller NAME 7887 Bryan Dairy Rd Ste 260 ADDRESS Largo FL 33777 CITY STATE ZIP SEND REPORT TO: PHONE #		STAR Center Quarterly Samp. PROJECT NAME Largo FL LOCATION 7030-226 PROJECT NO. FAX #				VOCs 8260 TDC 415.1 BOD 405.1 Sulfide 376.1 COD, TKN, Ammonia Total P Chloride, Nitrate, Nitrite Orthophosphate										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:			NO.	INCH	INCH	INCH											
1	PIN 20 - M053	10/14/04	1330	SBL	GW	10	3	3	2	2	3	1	1	3	1	1					
2	PIN 20 - M019	10/14/04	1336	JPC	GW	3	3				3										
3	PIN 20 - M059	10/14/04	1422	JPC	GW	3	3				3										
4	PIN 20 - 0557	10/14/04	1300	SDL	GW	3	3				3										
5	PIN 20 - M22D	10/14/04	1450	SDL	GW	3	3				3										
6	PIN 20 - MWL5	10/14/04	1451	DT	GW	3	3				3										
7	PIN 20 - M049	10/14/04	1415	DT	GW	3	3				3										
8	PIN 20 - M001	10/14/04	1300	DT	GW	10	3	3	2	2	3	1	1	3	1	1					
DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION				COMMENTS/REMARKS															
<input checked="" type="checkbox"/> STANDARD <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: 1. Tom Maxwell	DATE TIME: 10-15-04 1315	RECEIVED BY: 1. J.L. Vulliamy	DATE TIME: 10/15/04 1315	RELINQUISHED BY: 2. J.L. Vulliamy	DATE TIME: 10/15/04 16:40	RECEIVED BY: 2. Steven Eason	DATE TIME: 10-15-04 16:40														
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		ON ICE							TEMPERATURE	C						

4.1
4

2.8

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

F277477

Accutest's Job Number: _____

Client: 5M Steeler

Project: Star Center Quarry

Date Received: 10-15-04 Time Received: 9:00

of Coolers Received: 1 Cooler Temperatures: 2.8

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number: _____

Cooler Custody Seals Intact? Yes No

Chain of Custody Provided? Yes No

COC Match Bottle Label IDs? Yes No

Sample Labels Present on all bottles? Yes No

All Analyses Marked On COC? Yes No

Are All Bottles Intact? Yes No

Samples Preserved Correctly? Yes No

Correct Number of Containers Used? Yes No

Sufficient Sample Volume? Yes No

Trip Blank Provided? Yes No

Trip Blank Intact? Yes No

Trip Blank Matrix? Yes No

Number of Encores? Soil Water

Number of Soil Field Kits? Soil Water

Summary of Comments: _____

Signature: [Signature] Date: 10-15-04

Review Signature: _____