



10/22/04

Technical Report for

S M Stoller

Quarterly Sampling, STAR Center, Largo, FL

110406202

Accutest Job Number: F25409

Sampling Dates: 07/13/04 - 07/14/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: 18



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


Harry Behzadi, Ph.D.
Laboratory Director

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

S M Stoller

Job No: F25409

Quarterly Sampling, STAR Center, Largo, FL
Project No: 110406202

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F25409-1	07/13/04	12:45 DT	07/14/04	AQ	Ground Water	PIN20-M001
F25409-2	07/13/04	15:45 DT	07/14/04	AQ	Ground Water	PIN20-M015
F25409-3	07/14/04	11:35 DT	07/14/04	AQ	Ground Water	PIN20-M053
F25409-4	07/13/04	10:00 DT	07/14/04	AQ	Ground Water	PIN20-0552

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25409

Site: Quarterly Sampling, STAR Center, Largo, FL

Report Date 7/28/2004

4 Samples were collected on between 07/13/2004 and 07/14/2004 and were received at Accutest on 07/14/2004 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F25409.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: VJ407

Samples F25409-2MS, F25409-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

Matrix: AQ

Batch ID: VJ408

All method blanks for this batch meet method specific criteria.

Samples F25409-3MS, F25409-3MSD were used as the QC samples indicated.

Recoveries for 2-Chloroethyl vinyl ether are outside control limits in the MS/MSD. The Blank Spike is within limits, except where noted below.

Blank Spike Recovery for 2-Chloroethyl vinyl ether is below control limits. The associated samples were non-detect for 2-Chloroethyl vinyl ether. With reporting down to method detection limit, data is not adversely affected.

Matrix: AQ

Batch ID: VJ409

All method blanks for this batch meet method specific criteria.

Samples F25435-6MS, F25435-6MSD were used as the QC samples indicated.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP5610

All samples were distilled within the recommended method holding time.

Samples F25382-1DUP, F25382-1DUP, F25382-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

All method blanks for this batch meet method specific criteria.

Recoveries for Chloride, Sulfate are outside control limits in the MS. The Blank Spike is within limits. Data not adversely affected.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP5666

Samples F25410-1DUP, F25410-1MS 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: GP5630

Samples F25463-2DUP, F25463-2MS 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:** GP5609

Samples F25410-1DUP, F25410-1MS 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:** GP5629

Samples F25409-1DUP, F25409-1MS, F25409-1MSD 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:** GN15083

Samples F25405-1DUP, F25405-1MB, F25405-1MS 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:** GP5616

All samples were distilled within the recommended method holding time.
All method blanks for this batch meet method specific criteria.
Samples F25409-1DUP, F25409-1MS were used as the QC samples for BOD, 5 Day, BOD, 5 Day.

**The following samples were run outside of holding time for method EPA 405.1, EPA 405.1:
F25409-1, F25409-3**

Wet Chemistry By Method EPA 410.1

Matrix: AQ **Batch ID:** GP5641

All method blanks for this batch meet method specific criteria.
Samples F25405-1DUP, F25405-1MS, F25405-1MSD were used as the QC samples for Chemical Oxygen Demand, Chemical Oxygen Demand.

Wet Chemistry By Method EPA 415.1

Matrix: AQ **Batch ID:** GN15080

Samples F25409-1DUP, F25409-1MS, F25409-1MSD 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: July 28, 2004

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

Report of Analysis

Client Sample ID:	PIN20-M001	Date Sampled:	07/13/04
Lab Sample ID:	F25409-1	Date Received:	07/14/04
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	J010037.D	10	07/21/04	RA	n/a	n/a	VJ408
Run #2	J010080.D	50	07/22/04	RA	n/a	n/a	VJ409

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	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	789	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	47.0	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	ND	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	8.0	10	5.0	ug/l	J

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: 07/13/04
Lab Sample ID: F25409-1		Date Received: 07/14/04
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	10	6.0	ug/l	
75-01-4	Vinyl chloride	1420 ^a	50	25	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	99%	86-115%
17060-07-0	1,2-Dichloroethane-D4	97%	96%	73-126%
2037-26-5	Toluene-D8	107%	107%	86-112%
460-00-4	4-Bromofluorobenzene	101%	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-M001	Date Sampled: 07/13/04
Lab Sample ID: F25409-1	Date Received: 07/14/04
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	2.5	2.0	2.0	mg/l	1	07/20/04 08:30	KG	EPA 405.1
Chemical Oxygen Demand	141	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	62.8	2.0	1.0	mg/l	1	07/15/04 12:25	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.80	0.20	0.024	mg/l	1	07/26/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/15/04 12:25	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/15/04 12:25	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/15/04 12:25	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.6	0.40	0.20	mg/l	1	07/26/04	KG	SM18 4500N
Nitrogen, Total Kjeldahl	1.6	0.20	0.10	mg/l	1	07/26/04	KG	EPA 351.3
Phosphate, Ortho	0.12	0.10	0.020	mg/l	1	07/15/04 11:00	MP	EPA 365.3
Phosphorus, Total	0.091 B	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	189	4.0	2.0	mg/l	2	07/16/04 09:55	SM	EPA 300/SW846 9056
Total Organic Carbon	67.8	1.0	0.50	mg/l	1	07/20/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

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Client Sample ID: PIN20-M015	
Lab Sample ID: F25409-2	Date Sampled: 07/13/04
Matrix: AQ - Ground Water	Date Received: 07/14/04
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	J009998.D	1	07/20/04	RA	n/a	n/a	VJ407
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: 07/13/04
Lab Sample ID: F25409-2		Date Received: 07/14/04
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	1.3	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	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	108%		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

Client Sample ID: PIN20-M053	
Lab Sample ID: F25409-3	Date Sampled: 07/14/04
Matrix: AQ - Ground Water	Date Received: 07/14/04
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	J010031.D	1	07/21/04	RA	n/a	n/a	VJ408
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		Date Sampled: 07/14/04
Lab Sample ID: F25409-3		Date Received: 07/14/04
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	2.7	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	107%		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

Client Sample ID: PIN20-M053	Date Sampled: 07/14/04
Lab Sample ID: F25409-3	Date Received: 07/14/04
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	07/20/04 08:30	KG	EPA 405.1
Chemical Oxygen Demand	89.7	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	38.2	2.0	1.0	mg/l	1	07/15/04 13:49	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.61	0.20	0.024	mg/l	1	07/26/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/15/04 13:49	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/15/04 13:49	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/15/04 13:49	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.5	0.40	0.20	mg/l	1	07/26/04	KG	SM18 4500N
Nitrogen, Total Kjeldahl	1.5	0.20	0.10	mg/l	1	07/26/04	KG	EPA 351.3
Phosphate, Ortho	0.19	0.10	0.020	mg/l	1	07/15/04 11:00	MP	EPA 365.3
Phosphorus, Total	0.10	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	331	4.0	2.0	mg/l	2	07/16/04 10:11	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/20/04	MP	EPA 376.1
Total Organic Carbon	41.9	1.0	0.50	mg/l	1	07/20/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN20-0552		Date Sampled:	07/13/04
Lab Sample ID:	F25409-4		Date Received:	07/14/04
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	J010038.D	1	07/21/04	RA	n/a	n/a	VJ408
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: PIN20-0552		Date Sampled: 07/13/04
Lab Sample ID: F25409-4		Date Received: 07/14/04
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	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	102%		73-126%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	102%		83-119%

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

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

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: F25409
Client: S.M. Stoller Project: Pinellas Quarterly
Date Received: 7/14/04 Time Received: 17:45
of Coolers Received: 2 Cooler Temperatures: 24, 3.0°C
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 N/A
Trip Blank Matrix ? Soil Water N/A
Number of Encores ? 0
Number of Soil Field Kits ? 0
Summary of Comments: _____

Signature: Jeff Mickoff Date: 7/14/04
Review Signature: _____

ASBD 12/30/03

4.1
4

F25409: Chain of Custody
Page 2 of 2



10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25410

Sampling Date: 07/14/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **11**



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: F25410

Star Center-4.5 Acre Quarterly Sampling
Project No: 110406202

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F25410-1	07/14/04	09:15 JWW	07/14/04	AQ	Ground Water	PIN20-M18D

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25410

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 7/28/2004

1 Sample was collected on 07/14/2004 and were received at Accutest on 07/14/2004 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F25410. 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: VC1070

All method blanks for this batch meet method specific criteria.

Samples F25490-1MS, F25490-1MSD were used as the QC samples indicated.

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

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP5610

All method blanks for this batch meet method specific criteria.

Samples F25382-1DUP, F25382-1DUP, F25382-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

Recoveries for Chloride, Sulfate are outside control limits in the MS. The Blank Spike is within limits. Data not adversely affected.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP5666

Samples F25410-1DUP, F25410-1MS 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: GP5630

Samples F25463-2DUP, F25463-2MS 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: GP5609

Samples F25410-1DUP, F25410-1MS 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: GP5629

Samples F25409-1DUP, F25409-1MS, F25409-1MSD 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: GN15083

All method blanks for this batch meet method specific criteria.

Samples F25405-1DUP, F25405-1MB, F25405-1MS were used as the QC samples for Sulfide, Sulfide.

Report of Analysis

Client Sample ID: PIN20-M18D	
Lab Sample ID: F25410-1	Date Sampled: 07/14/04
Matrix: AQ - Ground Water	Date Received: 07/14/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	C0025004.D	1	07/21/04	KW	n/a	n/a	VC1070

Run #1	Purge Volume
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	11.1	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	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-M18D		Date Sampled: 07/14/04
Lab Sample ID: F25410-1		Date Received: 07/14/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	5.6	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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		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-M18D	Date Sampled: 07/14/04
Lab Sample ID: F25410-1	Date Received: 07/14/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	07/20/04 08:30	KG	EPA 405.1
Chemical Oxygen Demand	64.1	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	70.4	2.0	1.0	mg/l	1	07/15/04 14:05	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.48	0.20	0.024	mg/l	1	07/26/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/15/04 14:05	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/15/04 14:05	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/15/04 14:05	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.5	0.40	0.20	mg/l	1	07/26/04	KG	SM18 4500N
Nitrogen, Total Kjeldahl	1.5	0.20	0.10	mg/l	1	07/26/04	KG	EPA 351.3
Phosphate, Ortho	0.095 B	0.10	0.020	mg/l	1	07/15/04 11:00	MP	EPA 365.3
Phosphorus, Total	0.070 B	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	291	4.0	2.0	mg/l	2	07/16/04 10:28	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/20/04	MP	EPA 376.1
Total Organic Carbon	30.3	1.0	0.50	mg/l	1	07/20/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F25410**

Client: S.M. Stoller Project: STAR Center - Quarterly 4.5 Acre site

Date Received: 7/14/04 Time Received: 17:45

of Coolers Received: 2 Cooler Temperatures: 2.4, 3.0°C

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 N/A
- Trip Blank Matrix ? Soil Water N/A

Number of Encores ? 0

Number of Soil Field Kits ? 0

Summary of Comments: _____

Signature: [Signature] Date: 7/14/04

Review Signature: _____

ASBD 12/30/03

F25410: Chain of Custody
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10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25443

Sampling Date: 07/14/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **16**



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: F25443

Star Center-4.5 Acre Quarterly Sampling
Project No: 110406202

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F25443-1	07/14/04	14:53 DT	07/15/04	AQ	Ground Water	PIN20-M001
F25443-2	07/14/04	15:40 DT	07/15/04	AQ	Ground Water	PIN20-M22D
F25443-3	07/14/04	16:15 DT	07/15/04	AQ	Ground Water	PIN20-M059
F25443-4	07/14/04	09:30 DT	07/15/04	AQ	Ground Water	PIN20-M007

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25443

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 7/29/2004

4 Samples were collected on 07/14/2004 and were received at Accutest on 07/15/2004 properly preserved, at 1 Deg. C and intact. These Samples received an Accutest job number of F25443. 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: VJ410

All method blanks for this batch meet method specific criteria.

Sample F25444-1MS, F25444-1MSD were used as the QC samples indicated.

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

RPD for MS/MSD for Carbon tetrachloride are outside control limits. The Blank Spike is within limits. Data not adversely affected.

Matrix: AQ

Batch ID: VJ411

All method blanks for this batch meet method specific criteria.

Samples F25488-4MS, F25488-4MSD were used as the QC samples indicated.

Recoveries for 2-Chloroethyl vinyl ether, Trichlorofluoromethane are outside control limits in the MS/MSD. The Blank Spike is within limits. Data not adversely affected.

RPD for MS/MSD for cis-1,2-Dichloroethylene are outside control limits. The Blank Spike is within limits. Data not adversely affected.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP5618

All method blanks for this batch meet method specific criteria.

Samples F25444-1DUP, F25444-1DUP, F25444-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

Matrix Spike Recovery for Sulfate is outside control limits. The Blank Spike is within limits. Data not adversely affected.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP5682

Samples F25443-4DUP, F25443-4MS 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: GP5630

Samples F25463-2DUP, F25463-2MS 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: GP5619

Samples F25447-1DUP, F25447-1MS 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: GP5629

Samples F25409-1DUP, F25409-1MS, F25409-1MSD 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: GN15083

All method blanks for this batch meet method specific criteria.

Samples F25405-1DUP, F25405-1MB, F25405-1MS were used as the QC samples for Sulfide, Sulfide.

Wet Chemistry By Method EPA 405.1

Matrix: AQ

Batch ID: GP5625

Samples F25447-1DUP, F25447-1MS 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: GP5641

Samples F25405-1DUP, F25405-1MS, F25405-1MSD were used as the QC samples for Chemical Oxygen Demand, Chemical Oxygen Demand.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 415.1

Matrix: AQ

Batch ID: GN15080

Samples F25409-1DUP, F25409-1MS, F25409-1MSD 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: July 29, 2004

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

Report of Analysis

Client Sample ID: PIN20-M001	Date Sampled: 07/14/04
Lab Sample ID: F25443-1	Date Received: 07/15/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/20/04	MP	EPA 376.1

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-M22D	
Lab Sample ID: F25443-2	Date Sampled: 07/14/04
Matrix: AQ - Ground Water	Date Received: 07/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J010121.D	1	07/26/04	RA	n/a	n/a	VJ411
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-M22D		Date Sampled: 07/14/04
Lab Sample ID: F25443-2		Date Received: 07/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	1.6	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	93%		73-126%
2037-26-5	Toluene-D8	104%		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-M059		
Lab Sample ID: F25443-3		Date Sampled: 07/14/04
Matrix: AQ - Ground Water		Date Received: 07/15/04
Method: SW846 8260B		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J010103.D	1	07/23/04	RA	n/a	n/a	VJ410
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-M059		Date Sampled: 07/14/04
Lab Sample ID: F25443-3		Date Received: 07/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	44.1	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	96%		73-126%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M007	
Lab Sample ID: F25443-4	Date Sampled: 07/14/04
Matrix: AQ - Ground Water	Date Received: 07/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	J010104.D	1	07/23/04	RA	n/a	n/a	VJ410
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-M007		Date Sampled: 07/14/04
Lab Sample ID: F25443-4		Date Received: 07/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	90%		73-126%
2037-26-5	Toluene-D8	106%		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-M007	Date Sampled: 07/14/04
Lab Sample ID: F25443-4	Date Received: 07/15/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	07/21/04 15:00	MP	EPA 405.1
Chemical Oxygen Demand	144	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	56.1	2.0	1.0	mg/l	1	07/16/04 16:18	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.52	0.20	0.024	mg/l	1	07/28/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/16/04 16:18	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/16/04 16:18	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/16/04 16:18	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.3	0.40	0.20	mg/l	1	07/26/04	KG	SM18 4500N
Nitrogen, Total Kjeldahl	1.3	0.20	0.10	mg/l	1	07/26/04	KG	EPA 351.3
Phosphate, Ortho	0.091 B	0.10	0.020	mg/l	1	07/16/04 13:40	KG	EPA 365.3
Phosphorus, Total	0.083 B	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	5.7	2.0	1.0	mg/l	1	07/16/04 16:18	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/20/04	MP	EPA 376.1
Total Organic Carbon	64.3	1.0	0.50	mg/l	1	07/20/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #: _____
ACCUTEST QUOTE #: **F25443**

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES	
S.M. Stoller NAME 7887 BRYAN DAIRY RD. ADDRESS LARGO FL 33777 CITY, STATE ZIP SEND REPORT TO: PHONE # _____		STAR CENTER QUARTERLY SAMPLING PROJECT NAME 4.5 ACRE SITE LOCATION 110406202 PROJECT NO. FAX # _____				TOC BOD COD, Ammonia, TKN, PO4 CL, SO4, NO3, O-904 Total Fixed Nitrogen Se/Acids VOCs - 8-260 B				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID	
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION				LAB USE ONLY		
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	NO	NO/CH		HE/CO	NO/NE
1	PIN 20-M001	7-14-04	1453	DT GW			✓				
2	PIN 20-M22D	7-14-04	1540	DT GW			✓				
3	PIN 20-M059	7-14-04	1615	DT GW			✓				
4	PIN 20-M007	7-15-04	0930	DT GW		✓	✓	✓	1	1	1
DATA TURNAROUND INFORMATION <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		DATA DELIVERABLE INFORMATION <input 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:
1. <i>[Signature]</i>	7-15-04	1. <i>[Signature]</i>	7/15/04 13:40	2. <i>[Signature]</i>	16:15	2. <i>[Signature]</i>		3. <i>[Signature]</i>		3. <i>[Signature]</i>	
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:
3.		3.		4.		4.		5.		5.	
PRESERVE WHERE APPLICABLE		ON ICE		TEMPERATURE							
<input type="checkbox"/>		<input type="checkbox"/>		10° C							

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F25443: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F25443**
 Client: S.M. Stoller Project: STAR Center Quarterly Sampling
 Date Received: 7/15/04 Time Received: 6:15
 # of Coolers Received: 1 Cooler Temperatures: 1.0°C
 Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other
 Air Bill Number: _____

Cooler Custody Seals Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Chain of Custody Provided ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC Match Bottle Label ID's ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample Labels Present on all bottles ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All Analyses Marked On COC ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Are All Bottles Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples Preserved Correctly ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Correct Number of Containers Used ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient Sample Volume ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Trip Blank Provided ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Trip Blank on COC ?	Yes	<input checked="" type="radio"/> No	
Trip Blank Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	N/A
Trip Blank Matrix ?	Soil	<input checked="" type="radio"/> Water	N/A
Number of Encores ?	<u>0</u>		
Number of Soil Field Kits ?	<u>0</u>		

Summary of Comments: _____

Signature: Jeff Mitchell Date: 7/15/04
 Review Signature: _____

ASBD 12/30/03

F25443: Chain of Custody
 Page 2 of 2

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10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25447

Sampling Dates: 07/14/04 - 07/15/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **14**



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: F25447

Star Center-4.5 Acre Quarterly Sampling
Project No: 110406202

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F25447-1	07/14/04	14:40 JWW	07/15/04	AQ	Ground Water	PIN20-0502
F25447-2	07/15/04	09:45 JWW	07/15/04	AQ	Ground Water	PIN20-M028

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25447

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 7/29/2004

2 Samples were collected on between 07/14/2004 and 07/15/2004 and were received at Accutest on 07/15/2004 properly preserved, at 1.6 Deg. C and intact. These Samples received an Accutest job number of F25447.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: VB1019

All method blanks for this batch meet method specific criteria.

Samples F25386-3MS, F25386-3MSD were used as the QC samples indicated.

Recoveries for 1,1,2,2-Tetrachloroethane, 2-Chloroethyl vinyl ether, m-Dichlorobenzene, o-Dichlorobenzene, p-Dichlorobenzene are outside control limits in the MS/MSD. The Blank Spike was within limits, data not adversely affected.

RPDs for MS/ MSD for 1,1,2-Trichloroethane, Chlorobenzene, Dibromochloromethane, Ethylbenzene, m,p-Xylene, m-Dichlorobenzene, o-Xylene, p-Dichlorobenzene, Toluene are outside control limits. The Blank Spike was within limits, data not adversely affected.

F25447-2: Sample was treated with an anti-foaming agent.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP5618

Samples F25444-1DUP, F25444-1DUP, F25444-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery for Sulfate is outside control limits. The Blank Spike was within limits, data not adversely affected.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP5682

All method blanks for this batch meet method specific criteria.

Samples F25443-4DUP, F25443-4MS were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.

Wet Chemistry By Method EPA 351.3

Matrix: AQ

Batch ID: GP5630

Samples F25463-2DUP, F25463-2MS 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: GP5619

Samples F25447-1DUP, F25447-1MS 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: GP5629

Samples F25409-1DUP, F25409-1MS, F25409-1MSD 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: PIN20-0502	
Lab Sample ID: F25447-1	Date Sampled: 07/14/04
Matrix: AQ - Ground Water	Date Received: 07/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B023502.D	5	07/23/04	KW	n/a	n/a	VB1019
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	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	146	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	ND	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

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3

Client Sample ID: PIN20-0502		Date Sampled: 07/14/04
Lab Sample ID: F25447-1		Date Received: 07/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	195	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	104%		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: 07/14/04
Lab Sample ID: F25447-1	Date Received: 07/15/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	07/21/04 15:00	MP	EPA 405.1
Chemical Oxygen Demand	131	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	53.7	2.0	1.0	mg/l	1	07/16/04 15:45	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.57	0.20	0.024	mg/l	1	07/28/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/16/04 15:45	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/16/04 15:45	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/16/04 15:45	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.1	0.40	0.20	mg/l	1	07/26/04	KG	SM18 4500N
Nitrogen, Total Kjeldahl	1.1	0.20	0.10	mg/l	1	07/26/04	KG	EPA 351.3
Phosphate, Ortho	0.18	0.10	0.020	mg/l	1	07/16/04 13:40	KG	EPA 365.3
Phosphorus, Total	0.18	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	240	4.0	2.0	mg/l	2	07/17/04 17:06	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/20/04	MP	EPA 376.1
Total Organic Carbon	53.2	1.0	0.50	mg/l	1	07/23/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-M028	
Lab Sample ID: F25447-2	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/15/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023501.D	1	07/23/04	KW	n/a	n/a	VB1019
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-M028		Date Sampled: 07/15/04
Lab Sample ID: F25447-2		Date Received: 07/15/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	94%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	105%		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-M028	Date Sampled: 07/15/04
Lab Sample ID: F25447-2	Date Received: 07/15/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	3.0 U	3.0	3.0	mg/l	1	07/21/04 15:00	MP	EPA 405.1
Chemical Oxygen Demand	118	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	39.0	2.0	1.0	mg/l	1	07/16/04 16:01	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.51	0.20	0.024	mg/l	1	07/28/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/16/04 16:01	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/16/04 16:01	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/16/04 16:01	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.5	0.40	0.20	mg/l	1	07/26/04	KG	SM18 4500N
Nitrogen, Total Kjeldahl	1.5	0.20	0.10	mg/l	1	07/26/04	KG	EPA 351.3
Phosphate, Ortho	0.19	0.10	0.020	mg/l	1	07/16/04 13:40	KG	EPA 365.3
Phosphorus, Total	0.083 B	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	32.2	2.0	1.0	mg/l	1	07/16/04 16:01	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/20/04	MP	EPA 376.1
Total Organic Carbon	48.5	1.0	0.50	mg/l	1	07/23/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: **F25447**

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES
NAME: <u>S.M. Stoller</u> ADDRESS: <u>7887 BRYAN DAIRY RD.</u> CITY: <u>LARGO</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: _____ PHONE #: _____			PROJECT NAME: <u>STAR CENTER QUARTERLY SAMPLING</u> LOCATION: <u>4.5 ACRE SITE</u> PROJECT NO.: <u>110406202</u> FAX #: _____				<u>VOCs by 8260B</u> <u>COD, NH4, T-PO4, TKN</u> <u>Total Nitrogen</u> <u>BOD</u> <u>TOC</u> <u>Cl, SO4, NO3, OP</u> <u>Sulfide</u>				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION				LAB USE ONLY		
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	REF	INCH		INCH	INCH
1	PIN20-0502	7/14/04	1440	JWW	GW	3	3	3	2		
2	PIN20-M028	7/15/04	0945	JWW	GW	3	3	3	2		
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 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:	
1. <u>[Signature]</u>	7:15:04	1. <u>[Signature]</u>	7/15/04 13:30	2. <u>[Signature]</u>	16:15	2. <u>[Signature]</u>					
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	
3.		3.		4.		4.					
RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	DATE TIME:	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE				
5.		5.			<input type="checkbox"/>	<input type="checkbox"/>	16° C				

4.1
4

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F25447
Client: S.M. Stoller Project: STAR Center Quarterly Sampling
Date Received: 7/15/04 Time Received: 16:15
of Coolers Received: 1 Cooler Temperatures: 1.6°C
Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other
Air Bill Number: _____

Cooler Custody Seals Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Chain of Custody Provided ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC Match Bottle Label ID's ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample Labels Present on all bottles ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All Analyses Marked On COC ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Are All Bottles Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples Preserved Correctly ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Correct Number of Containers Used ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient Sample Volume ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Trip Blank Provided ?	Yes	<input checked="" type="radio"/> No	
Trip Blank on COC ?	Yes	<input checked="" type="radio"/> No	
Trip Blank Intact ?	Yes	No	<input checked="" type="radio"/> N/A
Trip Blank Matrix ?	Soil	Water	<input checked="" type="radio"/> N/A
Number of Encores ?	<u>0</u>		
Number of Soil Field Kits ?	<u>0</u>		

Summary of Comments: _____

Signature: [Signature] Date: 7/15/04

Review Signature: _____

ASBD 12/30/03

F25447: Chain of Custody
Page 2 of 2



10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25473

Sampling Date: 07/15/04

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: F25473

Star Center-4.5 Acre Quarterly Sampling
 Project No: 110406202

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F25473-1	07/15/04	13:41 DT	07/16/04	AQ	Ground Water	PIN20-M061
F25473-2	07/15/04	12:00 DT	07/16/04	AQ	Ground Water	PIN20-0550
F25473-3	07/15/04	16:25 DT	07/16/04	AQ	Ground Water	PIN20-M024
F25473-4	07/15/04	16:45 DT	07/16/04	AQ	Ground Water	PIN20-M023
F25473-5	07/15/04	14:30 DT	07/16/04	AQ	Ground Water	PIN20-M019
F25473-6	07/15/04	15:16 DT	07/16/04	AQ	Ground Water	PIN20-M058
F25473-7	07/15/04	16:04 DT	07/16/04	AQ	Ground Water	PIN20-M056

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25473

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 8/4/2004

7 Samples were collected on 07/15/2004 and were received at Accutest on 07/16/2004 properly preserved, at 0.4 Deg. C and intact. These Samples received an Accutest job number of F25473. 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: VB1023

Samples F25473-1MS, F25473-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

The following samples were run outside of holding time for method SW846 8260B: F25473-2

Recoveries for 2-Chloroethyl vinyl ether, cis-1,2-Dichloroethylene, Trichloroethylene, Vinyl chloride are outside control limits in the MS/MSD. The Blank Spike is within limits. Data not adversely affected.

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

F25473-3: Sample was treated with an anti-foaming agent.

F25473-4: Sample was treated with an anti-foaming agent.

F25473-5: Sample was treated with an anti-foaming agent.

F25473-6: Sample was treated with an anti-foaming agent.

F25473-7: Sample was treated with an anti-foaming agent.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP5623

All method blanks for this batch meet method specific criteria.

Samples F25475-2DUP, F25475-2DUP, F25475-2MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP5682

Samples F25443-4DUP, F25443-4MS 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: GP5668

Samples F25473-1DUP, F25473-1MS were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 365.3

Matrix: AQ

Batch ID: GP5622

Samples F25473-1DUP, F25473-1MS 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: GP5629

Samples F25409-1DUP, F25409-1MS, F25409-1MSD 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-M061	
Lab Sample ID: F25473-1	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B023575.D	10	07/29/04	KW	n/a	n/a	VB1023
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	353	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	49.5	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	ND	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	242	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: PIN20-M061	
Lab Sample ID: F25473-1	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	647	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		86-115%
17060-07-0	1,2-Dichloroethane-D4	103%		73-126%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M061	Date Sampled: 07/15/04
Lab Sample ID: F25473-1	Date Received: 07/16/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	07/22/04	MP	EPA 405.1
Chemical Oxygen Demand	110	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	53.7	2.0	1.0	mg/l	1	07/17/04 11:32	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.38	0.20	0.024	mg/l	1	07/28/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/17/04 11:32	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/17/04 11:32	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/17/04 11:32	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.2	0.40		mg/l	1	08/02/04	MP	SM18 4500N
Nitrogen, Total Kjeldahl	1.2	0.20	0.10	mg/l	1	08/02/04	MP	EPA 351.3
Phosphate, Ortho	0.12	0.10	0.020	mg/l	1	07/17/04 12:20	SM	EPA 365.3
Phosphorus, Total	0.11	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	12.6	2.0	1.0	mg/l	1	07/17/04 11:32	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/21/04	MP	EPA 376.1
Total Organic Carbon	45.7	1.0	0.50	mg/l	1	07/23/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-0550	
Lab Sample ID: F25473-2	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B023576.D	10	07/29/04	KW	n/a	n/a	VB1023
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	10	5.0	ug/l	
75-27-4	Bromodichloromethane	ND	10	5.0	ug/l	
75-25-2	Bromoform	ND	10	5.0	ug/l	
108-90-7	Chlorobenzene	ND	10	5.0	ug/l	
75-00-3	Chloroethane	ND	10	10	ug/l	
67-66-3	Chloroform	ND	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	50	25	ug/l	
56-23-5	Carbon tetrachloride	ND	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	ND	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	ND	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	10	5.0	ug/l	
124-48-1	Dibromochloromethane	ND	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	365	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	ND	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	48.7	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	10	3.0	ug/l	
100-41-4	Ethylbenzene	ND	10	5.0	ug/l	
74-83-9	Methyl bromide	ND	10	10	ug/l	
74-87-3	Methyl chloride	ND	10	10	ug/l	
75-09-2	Methylene chloride	ND	10	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	ND	10	5.0	ug/l	
108-88-3	Toluene	ND	10	5.0	ug/l	
79-01-6	Trichloroethylene	244	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: PIN20-0550		Date Sampled: 07/15/04
Lab Sample ID: F25473-2		Date Received: 07/16/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	614	10	5.0	ug/l	
	m,p-Xylene	ND	20	5.0	ug/l	
95-47-6	o-Xylene	ND	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		86-115%
17060-07-0	1,2-Dichloroethane-D4	96%		73-126%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M024	
Lab Sample ID: F25473-3	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023577.D	1	07/29/04	KW	n/a	n/a	VB1023
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-M024	
Lab Sample ID: F25473-3	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	94%		73-126%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	99%		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-M023	
Lab Sample ID: F25473-4	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023578.D	1	07/29/04	KW	n/a	n/a	VB1023
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-M023	Date Sampled:	07/15/04
Lab Sample ID:	F25473-4	Date Received:	07/16/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Star Center-4.5 Acre Quarterly Sampling		

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	91%		73-126%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	99%		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-M019	
Lab Sample ID: F25473-5	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023579.D	1	07/29/04	KW	n/a	n/a	VB1023
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	0.74	1.0	0.50	ug/l	J
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		Date Sampled: 07/15/04
Lab Sample ID: F25473-5		Date Received: 07/16/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	1.9	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	88%		73-126%
2037-26-5	Toluene-D8	95%		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-M058	
Lab Sample ID: F25473-6	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023580.D	1	07/29/04	KW	n/a	n/a	VB1023
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	2.0	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-M058		Date Sampled: 07/15/04
Lab Sample ID: F25473-6		Date Received: 07/16/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	88%		73-126%
2037-26-5	Toluene-D8	94%		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

Report of Analysis

Client Sample ID: PIN20-M056	
Lab Sample ID: F25473-7	Date Sampled: 07/15/04
Matrix: AQ - Ground Water	Date Received: 07/16/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023581.D	1	07/29/04	KW	n/a	n/a	VB1023
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:	07/15/04
Lab Sample ID:	F25473-7	Date Received:	07/16/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Star Center-4.5 Acre Quarterly Sampling		

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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	85%		73-126%
2037-26-5	Toluene-D8	93%		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

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: **F25473**

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 sampling PROJECT NAME 4.5 Acre Site LOCATION 110406202 PROJECT NO. FAX #			VOC's 8260 B BOD TAC COD, NH4, T-PH, TIN Cl, SO4, NO2, O-Phos. Total Fixed Nitrogen Sulfide			DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID						
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION			LAB USE ONLY							
		DATE	TIME	SAMPLED BY:	MATRIX	NO. OF BOTTLES	NO. IN	NO. SHOS	RESID	NONE					
1	PIN 20-M061	7-15-04	1341	DT	GW	✓	✓	✓	✓	3	1	1	1	1	3
2	PIN 20-0250	7-15-04	1200	DT	GW	✓				3					
3	PIN 20-17024	7-15-04	1625	DT	GW	✓				3					
4	PIN 20-M023	7-15-04	1645	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. Doe Trant		DATE TIME: 7-16-04		RECEIVED BY: [Signature]		DATE TIME: 7/16/04 09:00		RELINQUISHED BY: 2. [Signature]		DATE TIME: 11:30		RECEIVED BY: 2. [Signature]		DATE TIME: [Signature]	
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 04° C	

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F25473: Chain of Custody

Page 1 of 3

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: **F25473**

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION						MATRIX CODES
SM, Stoller NAME 7887 Bryan Dairy Rd ADDRESS Largo FL 33777 CITY STATE ZIP SEND REPORT TO: PHONE #		Star Center Quarterly Sampling PROJECT NAME 4.5 Acre Site LOCATION 110406202 PROJECT NO. FAX #				VOCs - 82603 3 W W						DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL BL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION		SAMPLED BY:	MATRIX							
		DATE	TIME				HC	MB3	MS30A	NONE		
5	PIN20-M019	7/15/04	1430	JWW	GW		✓					
6	PIN20-M058	7/15/04	1516	JWW	GW		✓					
7	PIN20-M056	7/15/04	1604	JWW	GW		✓					

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. <i>[Signature]</i>	DATE TIME: 7-16-04 0730	RECEIVED BY: 1. <i>[Signature]</i>	DATE TIME: 7/16/04 09:20	RELINQUISHED BY: 2. <i>[Signature]</i>	DATE TIME: 7/16/04 15:30
RELINQUISHED BY: 3. <i>[Signature]</i>	DATE TIME:	RECEIVED BY: 3.	DATE TIME:	RELINQUISHED BY: 4.	DATE TIME:
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	DATE TIME:	SEAL #	TEMPERATURE 0.4°C

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ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F25473

Client: S.M. Stoller Project: STAR Center - Quarterly Sampling

Date Received: 7/16/04 Time Received: 15:50

of Coolers Received: 1 Cooler Temperatures: 0.4°C

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 N/A
- Trip Blank Matrix ? Soil Water N/A

Number of Encores ? 0

Number of Soil Field Kits ? 0

Summary of Comments: _____

Signature: [Signature] Date: 7/16/04

Review Signature: _____

ASBD 12/30/03

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F25473: Chain of Custody
Page 3 of 3



10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25486

Sampling Date: 07/16/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **35**



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: F25486

Star Center-4.5 Acre Quarterly Sampling
 Project No: 110406202

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F25486-1	07/16/04	08:25 JPC	07/17/04	AQ	Ground Water	PIN20-M054
F25486-2	07/16/04	08:58 JPC	07/17/04	AQ	Ground Water	PIN20-M011
F25486-3	07/16/04	09:24 JPC	07/17/04	AQ	Ground Water	PIN20-M012
F25486-4	07/16/04	10:45 JPC	07/17/04	AQ	Ground Water	PIN20-M060
F25486-5	07/16/04	08:00 JPC	07/17/04	AQ	Ground Water	PIN20-0553
F25486-6	07/16/04	13:15 JPC	07/17/04	AQ	Ground Water	PIN20-M064
F25486-7	07/16/04	08:59 JPC	07/17/04	AQ	Ground Water	PIN20-M055-N001
F25486-8	07/16/04	09:46 JPC	07/17/04	AQ	Ground Water	PIN20-M025-N001
F25486-9	07/16/04	10:54 JPC	07/17/04	AQ	Ground Water	PIN20-MWL3-N001
F25486-10	07/16/04	00:00 JPC	07/17/04	AQ	Ground Water	PIN20-0054-N001
F25486-11	07/16/04	13:23 JPC	07/17/04	AQ	Ground Water	PIN20-MWL4-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25486

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 8/4/2004

11 Samples were collected on 07/16/2004 and were received at Accutest on 07/17/2004 properly preserved, at 3.6 Deg. C and intact. These Samples received an Accutest job number of F25486. 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: VB1023

All method blanks for this batch meet method specific criteria.

Samples F25473-1MS, F25473-1MSD were used as the QC samples indicated.

Recoveries for 2-Chloroethyl vinyl ether, cis-1,2-Dichloroethylene, Trichloroethylene, Vinyl chloride are outside control limits in the MS/MSD. The Blank Spike is within limits. Data not adversely affected.

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

F25486-9: Sample was treated with an anti-foaming agent.

F25486-8: Sample was treated with an anti-foaming agent.

F25486-6: Sample was treated with an anti-foaming agent.

F25486-7: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VB1024

All method blanks for this batch meet method specific criteria.

Samples F25511-15MS, F25511-15MSD were used as the QC samples indicated.

Recoveries for 2-Chloroethyl vinyl ether, o-Dichlorobenzene, Trichloroethylene are outside control limits in the MS/MSD. The Blank Spike is within limits. Data not adversely affected.

F25486-11: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VC1080

Samples F25487-7MS, F25487-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Recoveries for Benzene are outside control limits in the MS/MSD. The Blank Spike is within limits. Data not adversely affected.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VC1080

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

F25486-4: Sample was treated with an anti-foaming agent.

F25486-1: Sample was treated with an anti-foaming agent.

F25486-3: Sample was treated with an anti-foaming agent.

F25486-2: Sample was treated with an anti-foaming agent.

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP5624

All method blanks for this batch meet method specific criteria.

Samples F25486-11DUP, F25486-11DUP, F25486-11MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

Matrix Spike Recovery for Sulfate is outside control limits. The Blank Spike is within limits. Data not adversely affected.

Wet Chemistry By Method EPA 350.2

Matrix: AQ **Batch ID:** GP5682

Samples F25443-4DUP, F25443-4MS were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.
All method blanks for this batch meet method specific criteria.

Matrix: AQ **Batch ID:** GP5697

All samples were distilled within the recommended method holding time.
Sample(s) F25486-6DUP, F25486-6MS were used as the QC samples for Nitrogen, Ammonia, Nitrogen, Ammonia.
All method blanks for this batch meet method specific criteria.
All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 351.3

Matrix: AQ **Batch ID:** GP5676

All method blanks for this batch meet method specific criteria.
Samples F25516-1DUP, F25516-1MS were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

Wet Chemistry By Method EPA 365.3

Matrix: AQ **Batch ID:** GP5622

Samples F25473-1DUP, F25473-1MS 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:** GP5629

All method blanks for this batch meet method specific criteria.
Samples F25409-1DUP, F25409-1MS, F25409-1MSD were used as the QC samples for Phosphorus, Total, Phosphorus, Total.

Wet Chemistry By Method EPA 376.1

Matrix: AQ **Batch ID:** GN15090

Samples F25473-1DUP, F25473-1MS 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:** GP5627

Samples F25473-1MS, F25473-1DUP were used as the QC samples for BOD, 5 Day, BOD, 5 Day.
All method blanks for this batch meet method specific criteria.
RPD for Duplicate for BOD is outside control limits. The Blank Spike is within limits. Data not adversely affected.

Wet Chemistry By Method EPA 410.1

Matrix: AQ **Batch ID:** GP5641

Samples F25405-1DUP, F25405-1MS, F25405-1MSD were used as the QC samples for Chemical Oxygen Demand, Chemical Oxygen Demand.
All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 415.1

Matrix: AQ **Batch ID:** GN15109

All method blanks for this batch meet method specific criteria.
Samples F25511-3DUP, F25511-3MS, F25511-3MSD were used as the QC samples for Total Organic Carbon, Total Organic Carbon.

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: August 04, 2004

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

Report of Analysis

Client Sample ID: PIN20-M054	
Lab Sample ID: F25486-1	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0025262.D	1	07/29/04	KW	n/a	n/a	VC1080
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-M054	
Lab Sample ID: F25486-1	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	103%		86-112%
460-00-4	4-Bromofluorobenzene	110%		83-119%

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

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

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

Report of Analysis

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Client Sample ID: PIN20-M011	
Lab Sample ID: F25486-2	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0025263.D	1	07/29/04	KW	n/a	n/a	VC1080
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

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-M011		Date Sampled: 07/16/04
Lab Sample ID: F25486-2		Date Received: 07/17/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	102%		86-112%
460-00-4	4-Bromofluorobenzene	108%		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-M012	
Lab Sample ID: F25486-3	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0025264.D	1	07/29/04	KW	n/a	n/a	VC1080
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

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-M012	
Lab Sample ID: F25486-3	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	96%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	114%		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: F25486-4	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0025265.D	1	07/29/04	KW	n/a	n/a	VC1080
Run #2	B023606.D	5	07/30/04	KW	n/a	n/a	VB1024

	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	1.5	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	63.5	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	31.9	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	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	7.9	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-M060		Date Sampled:	07/16/04
Lab Sample ID:	F25486-4		Date Received:	07/17/04
Matrix:	AQ - Ground Water		Percent Solids:	n/a
Method:	SW846 8260B			
Project:	Star Center-4.5 Acre Quarterly Sampling			

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	339 ^b	5.0	2.5	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%	105%	86-115%
17060-07-0	1,2-Dichloroethane-D4	96%	94%	73-126%
2037-26-5	Toluene-D8	101%	94%	86-112%
460-00-4	4-Bromofluorobenzene	109%	98%	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

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Client Sample ID: PIN20-M060		Date Sampled: 07/16/04
Lab Sample ID: F25486-4		Date Received: 07/17/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	07/22/04	MP	EPA 405.1
Chemical Oxygen Demand	110	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	48.2	2.0	1.0	mg/l	1	07/17/04 14:52	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.56	0.20	0.024	mg/l	1	07/28/04	KG	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/17/04 14:52	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/17/04 14:52	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/17/04 14:52	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.5	0.40	0.20	mg/l	1	08/02/04	MP	SM18 4500N
Nitrogen, Total Kjeldahl	1.5	0.20	0.10	mg/l	1	08/02/04	MP	EPA 351.3
Phosphate, Ortho	0.16	0.10	0.020	mg/l	1	07/17/04 12:20	SM	EPA 365.3
Phosphorus, Total	0.13	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	139	2.0	1.0	mg/l	1	07/17/04 14:52	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/21/04	MP	EPA 376.1
Total Organic Carbon	45.7	1.0	0.50	mg/l	1	07/23/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-0553	
Lab Sample ID: F25486-5	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B023610.D	1	07/30/04	KW	n/a	n/a	VB1024
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: PIN20-0553		Date Sampled: 07/16/04
Lab Sample ID: F25486-5		Date Received: 07/17/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	93%		73-126%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	94%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M064	
Lab Sample ID: F25486-6	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023592.D	1	07/29/04	KW	n/a	n/a	VB1023
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	10.3	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-M064	
Lab Sample ID: F25486-6	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	45.2	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	110%		86-115%
17060-07-0	1,2-Dichloroethane-D4	109%		73-126%
2037-26-5	Toluene-D8	95%		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: 07/16/04
Lab Sample ID: F25486-6	Date Received: 07/17/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.5	2.0	2.0	mg/l	1	07/22/04	MP	EPA 405.1
Chemical Oxygen Demand	121	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	25.8	2.0	1.0	mg/l	1	07/17/04 15:09	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.71	0.20	0.024	mg/l	1	08/02/04	MP	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/17/04 15:09	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/17/04 15:09	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/17/04 15:09	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	2.1	0.40		mg/l	1	08/02/04	MP	SM18 4500N
Nitrogen, Total Kjeldahl	2.1	0.20	0.10	mg/l	1	08/02/04	MP	EPA 351.3
Phosphate, Ortho	0.19	0.10	0.020	mg/l	1	07/17/04 12:20	SM	EPA 365.3
Phosphorus, Total	0.17	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	1360	20	10	mg/l	10	07/20/04 09:00	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/21/04	MP	EPA 376.1
Total Organic Carbon	45.9	1.0	0.50	mg/l	1	07/23/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-M055-N001	
Lab Sample ID: F25486-7	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023593.D	1	07/29/04	KW	n/a	n/a	VB1023
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-M055-N001		Date Sampled: 07/16/04
Lab Sample ID: F25486-7		Date Received: 07/17/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	2.2	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	106%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	93%		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-M025-N001	
Lab Sample ID: F25486-8	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023594.D	1	07/29/04	KW	n/a	n/a	VB1023
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

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-N001		Date Sampled: 07/16/04
Lab Sample ID: F25486-8		Date Received: 07/17/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	105%		86-115%
17060-07-0	1,2-Dichloroethane-D4	95%		73-126%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	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

Report of Analysis

Client Sample ID: PIN20-MWL3-N001	
Lab Sample ID: F25486-9	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023595.D	1	07/29/04	KW	n/a	n/a	VB1023
Run #2	B023607.D	50	07/30/04	KW	n/a	n/a	VB1024

	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	8.9	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

Client Sample ID:	PIN20-MWL3-N001	
Lab Sample ID:	F25486-9	Date Sampled: 07/16/04
Matrix:	AQ - Ground Water	Date Received: 07/17/04
Method:	SW846 8260B	Percent Solids: n/a
Project:	Star Center-4.5 Acre Quarterly Sampling	

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	2180 ^b	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	101%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	90%	92%	73-126%
2037-26-5	Toluene-D8	95%	96%	86-112%
460-00-4	4-Bromofluorobenzene	100%	98%	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-MWL3-N001	Date Sampled: 07/16/04
Lab Sample ID: F25486-9	Date Received: 07/17/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	3.0 U	3.0	3.0	mg/l	1	07/22/04	MP	EPA 405.1
Chemical Oxygen Demand	69.2	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	42.7	2.0	1.0	mg/l	1	07/17/04 15:25	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.73	0.20	0.024	mg/l	1	08/02/04	MP	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/17/04 15:25	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/17/04 15:25	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/17/04 15:25	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.6	0.40		mg/l	1	08/02/04	MP	SM18 4500N
Nitrogen, Total Kjeldahl	1.6	0.20	0.10	mg/l	1	08/02/04	MP	EPA 351.3
Phosphate, Ortho	0.14	0.10	0.020	mg/l	1	07/17/04 12:20	SM	EPA 365.3
Phosphorus, Total	0.091 B	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	1090	20	10	mg/l	10	07/20/04 09:17	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/21/04	MP	EPA 376.1
Total Organic Carbon	25.5	1.0	0.50	mg/l	1	07/23/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-0054-N001	
Lab Sample ID: F25486-10	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B023608.D	1	07/30/04	KW	n/a	n/a	VB1024
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: PIN20-0054-N001	
Lab Sample ID: F25486-10	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	93%		73-126%
2037-26-5	Toluene-D8	95%		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-MWL4-N001	
Lab Sample ID: F25486-11	Date Sampled: 07/16/04
Matrix: AQ - Ground Water	Date Received: 07/17/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B023611.D	1	07/30/04	KW	n/a	n/a	VB1024
Run #2	B023614.D	50	07/30/04	KW	n/a	n/a	VB1024

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	5.8	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	2350 ^b	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	63.3	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	1.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	1.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	1.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	1.5	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	113 ^b	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-N001		Date Sampled: 07/16/04
Lab Sample ID: F25486-11		Date Received: 07/17/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	546 ^b	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	104%	108%	86-115%
17060-07-0	1,2-Dichloroethane-D4	93%	106%	73-126%
2037-26-5	Toluene-D8	96%	93%	86-112%
460-00-4	4-Bromofluorobenzene	97%	96%	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-MWL4-N001	Date Sampled: 07/16/04
Lab Sample ID: F25486-11	Date Received: 07/17/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	2.0 U	2.0	2.0	mg/l	1	07/22/04	MP	EPA 405.1
Chemical Oxygen Demand	79.5	20	2.8	mg/l	1	07/21/04	KG	EPA 410.1
Chloride	21.8	2.0	1.0	mg/l	1	07/17/04 15:42	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.39	0.20	0.024	mg/l	1	08/02/04	MP	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/17/04 15:42	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/17/04 15:42	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/17/04 15:42	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.0	0.40		mg/l	1	08/02/04	MP	SM18 4500N
Nitrogen, Total Kjeldahl	1.0	0.20	0.10	mg/l	1	08/02/04	MP	EPA 351.3
Phosphate, Ortho	0.11	0.10	0.020	mg/l	1	07/17/04 12:20	SM	EPA 365.3
Phosphorus, Total	0.072 B	0.10	0.0090	mg/l	1	07/20/04	MP	EPA 365.3
Sulfate	36.5	2.0	1.0	mg/l	1	07/17/04 15:42	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/21/04	MP	EPA 376.1
Total Organic Carbon	30.5	1.0	0.50	mg/l	1	07/23/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Misc. Forms

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

ACCOUNT JOB #
F25486
CITY AND STATE #:

CLIENT INFORMATION			FACILITY INFORMATION			ANALYTICAL INFORMATION										MATRIX CODES
S.M. Staller 3887 Bryan Dairy Rd, Suite 260 Largo FL 33777			STAR Center - Quarterly sampling 4.5 Acre Site 110406202			VOC'S BOD TDC CO2, NH4, T-Ply, TPA #1-950, ND5, O-Pls Total Fixed Nitrogen Sal/Fide										DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION							LAB USE ONLY				
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	ICE	REFRIG	SHOCK	SHADE	OTHER					
①	PIN 20 - M054	7-16-04	0825	DT GW			✓						3			
②	PIN 20 - M011	7-16-04	0858	DT GW			✓						3			
③	PIN 20 - M012	7-16-04	0924	DT GW			✓						3			
④	PIN 20 - M060	7-16-04	1045	DT GW			✓	✓	✓				3	1/1/1/1/3		
⑤	PIN 20 - 0553	7-16-04	0800	DT GW			✓						3			
⑥	PIN 20 - M064	7-16-04	1315	DT GW			✓	✓	✓				3	1/1/1/1/3		
<input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER			<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: <i>A. J. P. Co</i>	DATE/TIME: 7-16-04/1500	RECEIVED BY: 1. FedEx	RELINQUISHED BY: 2. <i>FE</i>	DATE/TIME: 7/17/04	RECEIVED BY: 2. <i>Chloe</i>											
RELINQUISHED BY: 3.	DATE/TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE/TIME:	RECEIVED BY: 4.											
RELINQUISHED BY: 5.	DATE/TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE		ON ICE	TEMPERATURE C									
			3-2-3-6													

4.1
4

CHAIN OF CUSTODY

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

ACCUTEST JOB #:

ACCUTEST QUOTE #:

F25486

CLIENT INFORMATION			FACILITY INFORMATION										ANALYTICAL INFORMATION					MATRIX CODES
NAME: <u>S.M. Staller</u> ADDRESS: <u>7877 Bryce Dairy Rd, Suite 260</u> CITY: <u>Levy</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: _____ PHONE #: _____			PROJECT NAME: <u>STAR Center - Quarterly Sampling</u> LOCATION: <u>4.5 Acre Site</u> PROJECT NO.: <u>110406202</u> FAX #: _____										VOCs - 8260 COP, NH ₄ , T-P, TOX, TKN Total Nitrogen BOD TPC Cl, SO ₄ , NO ₂ , O ₃ Sulfide					DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL BL - 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:			ICE	NOAH	NOOD	PHOSPH	MONO							
⑦	PIN20-M055-N001	7-16-04	0859	JPC	GW	3	3											
⑧	PIN20-M025-N001		0946	JPC		3	3											
⑨	PIN20-MWL3-N001		1054	JPC		11	3	3	2									
⑩	PIN20-O554-N001		-	JPC		3												
⑪	PIN20-MWL4-N001		1323	JPC		11	3	3	2									

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	APPROVED BY: _____	<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY				
RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: <u>7-16-04/1500</u>	RECEIVED BY: <u>1. Fed Ex</u>	RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: <u>7/17/04</u>
RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	RELINQUISHED BY: _____	DATE TIME: _____
RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	RELINQUISHED BY: _____	DATE TIME: _____

SEAL # _____ PRESERVE WHERE APPLICABLE ON ICE TEMPERATURE _____ C

4.1
4

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F25486**
 Client: S.M. STOLLER Project: State Center - Quarterly
 Date Received: 7/17/04 Time Received: 10:00
 # of Coolers Received: _____ Cooler Temperatures: 32 3.5
 Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other
 Air Bill Number: _____

Cooler Custody Seals Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Chain of Custody Provided ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
COC Match Bottle Label ID's ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sample Labels Present on all bottles ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
All Analyses Marked On COC ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Are All Bottles Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Samples Preserved Correctly ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Correct Number of Containers Used ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Sufficient Sample Volume ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No	
Trip Blank Provided ?	Yes	<input checked="" type="radio"/> No	
Trip Blank on COC ?	Yes	<input checked="" type="radio"/> No	
Trip Blank Intact ?	Yes	No	<input checked="" type="radio"/> N/A
Trip Blank Matrix ?	Soil	Water	<input checked="" type="radio"/> N/A
Number of Encores ?	<u>0</u>		
Number of Soil Field Kits ?	<u>0</u>		

Summary of Comments: _____

Signature: [Signature] Date: 7/17/04
 Review Signature: _____

ASBD 12/30/03

4.1
4

F25486: Chain of Custody
 Page 3 of 3



10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25521

Sampling Date: 07/19/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **14**



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: F25521

Star Center-4.5 Acre Quarterly Sampling
Project No: 110406202

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F25521-1	07/19/04	00:00 JPC	07/19/04	AQ	Ground Water	PIN20-0556-N001
F25521-2	07/19/04	10:20 JPC	07/19/04	AQ	Ground Water	PIN20-M063-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25521

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 8/4/2004

2 Samples were collected on 07/19/2004 and were received at Accutest on 07/19/2004 properly preserved, at 1.2 Deg. C and intact. These Samples received an Accutest job number of F25521. 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: VB1025

Samples F25576-20MS, F25576-20MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

RPD for MS/MSD for Benzene are outside control limits. The Blank Spike is within limits. Data not adversely affected.

Matrix: AQ

Batch ID: VC1081

Samples F25498-8MS, F25498-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

Wet Chemistry By Method EPA 300/SW846 9056

Matrix: AQ

Batch ID: GP5635

Samples F25516-1DUP, F25516-1DUP, F25516-1MS were used as the QC samples for Chloride, Nitrogen, Nitrate, Nitrogen, Nitrite, Sulfate, Chloride.

All method blanks for this batch meet method specific criteria.

Matrix Spike Recovery for Sulfate is outside control limits. The Blank Spike is within limits. Data not adversely affected.

Wet Chemistry By Method EPA 350.2

Matrix: AQ

Batch ID: GP5697

Samples F25486-6DUP, F25486-6MS 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: GP5676

Samples F25516-1DUP, F25516-1MS were used as the QC samples for Nitrogen, Total Kjeldahl, Nitrogen, Total Kjeldahl.

All method blanks for this batch meet method specific criteria.

Wet Chemistry By Method EPA 365.3

Matrix: AQ

Batch ID: GP5647

All method blanks for this batch meet method specific criteria.

Samples F25521-2DUP, F25521-2MS were used as the QC samples for Phosphate, Ortho, Phosphate, Ortho.

Matrix: AQ

Batch ID: GP5669

All method blanks for this batch meet method specific criteria.

Samples F25540-1DUP, F25540-1MS, F25540-1MSD were used as the QC samples for Phosphorus, Total, Phosphorus, Total.

Report of Analysis

Client Sample ID: PIN20-0556-N001	
Lab Sample ID: F25521-1	Date Sampled: 07/19/04
Matrix: AQ - Ground Water	Date Received: 07/19/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	C0025297.D	1	07/30/04	KW	n/a	n/a	VC1081

Run #1	Purge Volume
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	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	0.69	1.0	0.50	ug/l	J
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-N001		Date Sampled: 07/19/04
Lab Sample ID: F25521-1		Date Received: 07/19/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	95%		86-115%
17060-07-0	1,2-Dichloroethane-D4	111%		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-M063-N001	
Lab Sample ID: F25521-2	Date Sampled: 07/19/04
Matrix: AQ - Ground Water	Date Received: 07/19/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B023631.D	200	07/31/04	KW	n/a	n/a	VB1025
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	200	100	ug/l	
75-27-4	Bromodichloromethane	ND	200	100	ug/l	
75-25-2	Bromoform	ND	200	100	ug/l	
108-90-7	Chlorobenzene	ND	200	100	ug/l	
75-00-3	Chloroethane	ND	200	200	ug/l	
67-66-3	Chloroform	ND	200	100	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	1000	500	ug/l	
56-23-5	Carbon tetrachloride	ND	200	100	ug/l	
75-34-3	1,1-Dichloroethane	ND	200	100	ug/l	
75-35-4	1,1-Dichloroethylene	ND	200	100	ug/l	
107-06-2	1,2-Dichloroethane	ND	200	100	ug/l	
78-87-5	1,2-Dichloropropane	ND	200	100	ug/l	
124-48-1	Dibromochloromethane	ND	200	80	ug/l	
75-71-8	Dichlorodifluoromethane	ND	200	100	ug/l	
156-59-2	cis-1,2-Dichloroethylene	12600	200	100	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	200	60	ug/l	
541-73-1	m-Dichlorobenzene	ND	200	100	ug/l	
95-50-1	o-Dichlorobenzene	ND	200	100	ug/l	
106-46-7	p-Dichlorobenzene	ND	200	100	ug/l	
156-60-5	trans-1,2-Dichloroethylene	612	200	100	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	200	60	ug/l	
100-41-4	Ethylbenzene	ND	200	100	ug/l	
74-83-9	Methyl bromide	ND	200	200	ug/l	
74-87-3	Methyl chloride	ND	200	200	ug/l	
75-09-2	Methylene chloride	ND	200	200	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	200	100	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	200	100	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	200	60	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	200	100	ug/l	
127-18-4	Tetrachloroethylene	ND	200	100	ug/l	
108-88-3	Toluene	ND	200	100	ug/l	
79-01-6	Trichloroethylene	4880	200	100	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-M063-N001		Date Sampled: 07/19/04
Lab Sample ID: F25521-2		Date Received: 07/19/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	200	120	ug/l	
75-01-4	Vinyl chloride	3580	200	100	ug/l	
	m,p-Xylene	ND	400	100	ug/l	
95-47-6	o-Xylene	ND	200	100	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	94%		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

32
3

Client Sample ID: PIN20-M063-N001	Date Sampled: 07/19/04
Lab Sample ID: F25521-2	Date Received: 07/19/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

General Chemistry

Analyte	Result	RL	MDL	Units	DF	Analyzed	By	Method
BOD, 5 Day	3.6	2.0	2.0	mg/l	1	07/25/04	KG	EPA 405.1
Chemical Oxygen Demand	103	20	2.8	mg/l	1	07/28/04	MP	EPA 410.1
Chloride	58.1	2.0	1.0	mg/l	1	07/20/04 10:23	SM	EPA 300/SW846 9056
Nitrogen, Ammonia	0.82	0.20	0.024	mg/l	1	08/02/04	MP	EPA 350.2
Nitrogen, Nitrate	0.050 U	0.10	0.050	mg/l	1	07/20/04 10:23	SM	EPA 300/SW846 9056
Nitrogen, Nitrate + Nitrite ^a	< 0.20	0.20	0.10	mg/l	1	07/20/04 10:23	SM	SM18 4500NO3E
Nitrogen, Nitrite	0.050 U	0.10	0.050	mg/l	1	07/20/04 10:23	SM	EPA 300/SW846 9056
Nitrogen, Total ^b	1.9	0.40		mg/l	1	08/02/04	MP	SM18 4500N
Nitrogen, Total Kjeldahl	1.9	0.20	0.10	mg/l	1	08/02/04	MP	EPA 351.3
Phosphate, Ortho	0.35	0.10	0.020	mg/l	1	07/21/04 14:00	MP	EPA 365.3
Phosphorus, Total	0.41	0.10	0.0090	mg/l	1	07/26/04	MP	EPA 365.3
Sulfate	1300	20	10	mg/l	10	07/20/04 11:46	SM	EPA 300/SW846 9056
Sulfide	1.0 U	1.0	1.0	mg/l	1	07/21/04	MP	EPA 376.1
Total Organic Carbon	27.9	1.0	0.50	mg/l	1	07/28/04	LE	EPA 415.1

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

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

RL = Reporting Limit
MDL = Method Detection Limit

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: **F25521**

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES					
NAME: <u>S.M. Stoller</u> ADDRESS: <u>7887 Bryan Dring Rd, Suite 260</u> CITY: <u>Largo</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: _____ PHONE # _____		PROJECT NAME: <u>STAR Center - Quarterly sampling</u> LOCATION: <u>4.5 Acre Site</u> PROJECT NO.: <u>110406202</u> FAX # _____				<u>VOC - 8260</u> <u>CoD NH4 T-Pop, TKN</u> <u>Total Nitrogen</u> <u>BoD</u> <u>Toc</u> <u>Cl, SO4, NO2, D.P</u> <u>Sulfide</u>				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID					
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION				LAB USE ONLY						
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	HC1	NH3		PHOS	HERSO4	NO3			
1	PIIn20-0556-N001	7-19-04	---	JPC	GW	3	3								
2	PIIn10-M063-N001	7-19-04	1020	JPC	GW	11	3	3	2	3	1	1	1	1	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: <u>[Signature]</u>	DATE TIME: <u>7-16-04</u>	RECEIVED BY: <u>[Signature]</u>	DATE TIME: <u>7-19-04 15:10</u>	RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: <u>7-19-04</u>	RECEIVED BY: <u>[Signature]</u>	DATE TIME: <u>19:55</u>	RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: _____	RECEIVED BY: <u>[Signature]</u>	DATE TIME: _____	RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	DATE TIME: _____
3.		3.		4.		4.		5.		5.		SEAL #	PRESERVE WHERE APPLICABLE <input type="checkbox"/>	ON ICE <input type="checkbox"/>	TEMPERATURE <u>1.2° C</u>

4.1 4

F25521: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F25521**

Client: S.M. Stoller Project: STAR Center - Quarterly Sampling

Date Received: 7/19/04 Time Received: 18:55

of Coolers Received: 1 Cooler Temperatures: 1.2°C

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 N/A
- Trip Blank Matrix ? Soil Water N/A
- Number of Encores ? 0
- Number of Soil Field Kits ? 0

Summary of Comments: _____

Signature: [Signature] Date: 7/19/04

Review Signature: _____

ASBD 12/30/03

F25521: Chain of Custody
Page 2 of 2

4.1
4



10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25533

Sampling Date: 07/20/04

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: F25533

Star Center-4.5 Acre Quarterly Sampling
 Project No: 110406202

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F25533-1	07/20/04	09:36 JPC	07/20/04	AQ	Ground Water	PIN20-M035
F25533-2	07/20/04	08:51 JPC	07/20/04	AQ	Ground Water	PIN20-M036
F25533-3	07/20/04	09:56 JPC	07/20/04	AQ	Ground Water	PIN20-M38D
F25533-4	07/20/04	08:55 JPC	07/20/04	AQ	Ground Water	PIN20-M40S
F25533-5	07/20/04	09:13 JPC	07/20/04	AQ	Ground Water	PIN20-M40D
F25533-6	07/20/04	09:42 JPC	07/20/04	AQ	Ground Water	PIN20-M41D
F25533-7	07/20/04	08:15 JPC	07/20/04	AQ	Ground Water	PIN20-0557
F25533-8	07/20/04	13:22 JPC	07/20/04	AQ	Ground Water	PIN20-0503
F25533-9	07/20/04	14:00 JPC	07/20/04	AQ	Ground Water	PIN20-M057
F25533-10	07/20/04	14:05 JPC	07/20/04	AQ	Ground Water	PIN20-0555

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25533

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 8/2/2004

10 Samples were collected on 07/20/2004 and were received at Accutest on 07/20/2004 properly preserved, at 1.4 Deg. C and intact. These Samples received an Accutest job number of F25533. 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: VG1129

All samples were analyzed within the recommended method holding time.

Samples F25498-15MS, F25498-15MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

RPDs for MS/MSD for 2-Chloroethyl vinyl ether, Chloroform, Methyl chloride are outside control limits. The Blank Spike was within limits. 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: August 02, 2004

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

Report of Analysis

Client Sample ID: PIN20-M035		
Lab Sample ID: F25533-1		Date Sampled: 07/20/04
Matrix: AQ - Ground Water		Date Received: 07/20/04
Method: SW846 8260B		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030057.D	1	07/30/04	RA	n/a	n/a	VG1129
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	1.5	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-M035		Date Sampled: 07/20/04
Lab Sample ID: F25533-1		Date Received: 07/20/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	93%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

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3

Client Sample ID: PIN20-M036	Date Sampled: 07/20/04
Lab Sample ID: F25533-2	Date Received: 07/20/04
Matrix: AQ - Ground Water	Percent Solids: n/a
Method: SW846 8260B	
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030058.D	1	07/30/04	RA	n/a	n/a	VG1129
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-M036	
Lab Sample ID: F25533-2	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	102%		73-126%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	102%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M38D		
Lab Sample ID: F25533-3		Date Sampled: 07/20/04
Matrix: AQ - Ground Water		Date Received: 07/20/04
Method: SW846 8260B		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030059.D	1	07/30/04	RA	n/a	n/a	VG1129
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-M38D		Date Sampled: 07/20/04
Lab Sample ID: F25533-3		Date Received: 07/20/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	102%		73-126%
2037-26-5	Toluene-D8	94%		86-112%
460-00-4	4-Bromofluorobenzene	102%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M40S		
Lab Sample ID: F25533-4		Date Sampled: 07/20/04
Matrix: AQ - Ground Water		Date Received: 07/20/04
Method: SW846 8260B		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030060.D	1	07/30/04	RA	n/a	n/a	VG1129
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-M40S		Date Sampled: 07/20/04
Lab Sample ID: F25533-4		Date Received: 07/20/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	101%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

3.5
3

Client Sample ID: PIN20-M40D	
Lab Sample ID: F25533-5	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030061.D	1	07/30/04	RA	n/a	n/a	VG1129
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-M40D		Date Sampled: 07/20/04
Lab Sample ID: F25533-5		Date Received: 07/20/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	94%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-M41D	
Lab Sample ID: F25533-6	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030062.D	1	07/31/04	RA	n/a	n/a	VG1129
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-M41D		Date Sampled: 07/20/04
Lab Sample ID: F25533-6		Date Received: 07/20/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	102%		73-126%
2037-26-5	Toluene-D8	94%		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: PIN20-0557	
Lab Sample ID: F25533-7	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030063.D	1	07/31/04	RA	n/a	n/a	VG1129
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: PIN20-0557	
Lab Sample ID: F25533-7	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	94%		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: PIN20-0503	
Lab Sample ID: F25533-8	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	G0030064.D	1	07/31/04	RA	n/a	n/a	VG1129

Run #1	Purge Volume
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	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: PIN20-0503	
Lab Sample ID: F25533-8	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	0.95	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	106%		86-115%
17060-07-0	1,2-Dichloroethane-D4	105%		73-126%
2037-26-5	Toluene-D8	93%		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-M057	
Lab Sample ID: F25533-9	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	G0030065.D	1	07/31/04	RA	n/a	n/a	VG1129

Run #1	Purge Volume
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	1.7	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	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: F25533-9	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	4.5	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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	102%		73-126%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-0555		
Lab Sample ID: F25533-10		Date Sampled: 07/20/04
Matrix: AQ - Ground Water		Date Received: 07/20/04
Method: SW846 8260B		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030066.D	1	07/31/04	RA	n/a	n/a	VG1129
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: PIN20-0555	
Lab Sample ID: F25533-10	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/20/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	102%		73-126%
2037-26-5	Toluene-D8	92%		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

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: **F25533**

CLIENT INFORMATION			FACILITY INFORMATION			ANALYTICAL INFORMATION			MATRIX CODES		
NAME: <u>S. M. Stoller</u> ADDRESS: <u>7887 Bryan Dairy Rd</u> CITY: <u>Largo</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: _____ PHONE # _____			PROJECT NAME: <u>Star Center Quarterly Sample</u> LOCATION: <u>4.5 Acre Site</u> PROJECT NO.: <u>110406202</u> FAX # _____			VOCs - 8260B			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						
			DATE	TIME	SAMPLED BY:	NO. OF BOTTLES	ICE	REFRIG	CHILL	SHAKE	NONE
1	PIN20-M035		7/20/04	0936	JTC	GW	3	3			
2	PIN20-M036			0851							
3	PIN20-M38D			0956							
4	PIN20-M40S			0855							
5	PIN20-M40D			0913							
6	PIN20-M41D			0942							
7	PIN20-0557			0815							
8	PIN20-0503			1322							
9	PIN20-057			1400							
10	PIN20-555		↓	1405	↓	↓	↓	↓	↓	↓	↓
<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) _____			COMMENTS/REMARKS					
RELINQUISHED BY SAMPLER: <u>1. J.P.C.</u> DATE TIME: <u>7-20-04/1420</u> RECEIVED BY: <u>1. R. V. / 7/20/04 14:10</u> RELINQUISHED BY: <u>2. R. V. / 7/20/04</u> DATE TIME: <u>17:10</u> RECEIVED BY: <u>2. Jeff Middleff</u>											
RELINQUISHED BY: _____ DATE TIME: _____ RECEIVED BY: _____ RELINQUISHED BY: _____ DATE TIME: _____ RECEIVED BY: _____											
RELINQUISHED BY: _____ DATE TIME: _____ RECEIVED BY: _____ SEAL # _____ PRESERVE WHERE APPLICABLE <input type="checkbox"/> ON ICE <input type="checkbox"/> TEMPERATURE <u>14</u> °C											

4.1
4

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F25533**
Client: S.M. Stoller Project: STAR Center Quarterly Sampling
Date Received: 7/20/04 Time Received: 17:10
of Coolers Received: 1 Cooler Temperatures: 1.4°C
Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other
Air Bill Number: _____

Cooler Custody Seals Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Chain of Custody Provided ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
COC Match Bottle Label ID's ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Sample Labels Present on all bottles ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
All Analyses Marked On COC ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Are All Bottles Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Samples Preserved Correctly ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Correct Number of Containers Used ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Sufficient Sample Volume ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Trip Blank Provided ?	Yes	<input checked="" type="radio"/> No
Trip Blank on COC ?	Yes	<input checked="" type="radio"/> No
Trip Blank Intact ?	Yes	No <input checked="" type="radio"/> N/A
Trip Blank Matrix ?	Soil	Water <input checked="" type="radio"/> N/A
Number of Encores ?	<u>0</u>	
Number of Soil Field Kits ?	<u>0</u>	

Summary of Comments: _____

Signature: Jeff Michieff Date: 7/20/04
Review Signature: _____

ASBD 12/30/03

F25533: Chain of Custody
Page 2 of 2

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10/22/04

Technical Report for

S M Stoller

Star Center-4.5 Acre Quarterly Sampling

110406202

Accutest Job Number: F25557

Sampling Dates: 07/20/04 - 07/21/04

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

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



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


Harry Behzadi, Ph.D.
Laboratory Director

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

S M Stoller

Job No: F25557

Star Center-4.5 Acre Quarterly Sampling
 Project No: 110406202

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F25557-1	07/20/04	15:04 JPC	07/21/04	AQ	Ground Water	PIN20-MWL6
F25557-2	07/20/04	15:00 JPC	07/21/04	AQ	Ground Water	PIN20-0558
F25557-3	07/21/04	08:25 JPC	07/21/04	AQ	Ground Water	PIN20-MWL1
F25557-4	07/21/04	08:55 JPC	07/21/04	AQ	Ground Water	PIN20-MWL2
F25557-5	07/21/04	00:00 JPC	07/21/04	AQ	Ground Water	PIN20-0551
F25557-6	07/21/04	09:35 JPC	07/21/04	AQ	Ground Water	PIN20-M062
F25557-7	07/21/04	10:45 JPC	07/21/04	AQ	Ground Water	PIN20-MWL5
F25557-8	07/21/04	10:05 JPC	07/21/04	AQ	Ground Water	PIN20-M049

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F25557

Site: Star Center-4.5 Acre Quarterly Sampling

Report Date 8/4/2004

8 Samples were collected on between 07/20/2004 and 07/21/2004 and were received at Accutest on 07/21/2004 properly preserved, at 0.6 Deg. C and intact. These Samples received an Accutest job number of F25557.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: VC1081

Samples F25498-8MS, F25498-8MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

F25557-1: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VG1130

All method blanks for this batch meet method specific criteria.

Samples F25611-3MS, F25611-3MSD were used as the QC samples indicated.

Matrix: AQ

Batch ID: VG1131

All method blanks for this batch meet method specific criteria.

Samples F25611-12MS, F25611-12MSD were used as the QC samples indicated.

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

F25557-4: Sample was treated with an anti-foaming agent.

F25557-5: Sample was treated with an anti-foaming agent.

F25557-7: Sample was treated with an anti-foaming agent.

F25557-8: Sample was treated with an anti-foaming agent.

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

Narrative prepared by:

Date: August 04, 2004

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

Report of Analysis

Client Sample ID: PIN20-MWL6	
Lab Sample ID: F25557-1	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/21/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0025299.D	1	07/31/04	KW	n/a	n/a	VC1081
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-MWL6	
Lab Sample ID: F25557-1	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/21/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

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	111%		73-126%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	105%		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: PIN20-0558	
Lab Sample ID: F25557-2	Date Sampled: 07/20/04
Matrix: AQ - Ground Water	Date Received: 07/21/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #2	C0025300.D	1	07/31/04	KW	n/a	n/a	VC1081

Run #1	Purge Volume
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	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: PIN20-0558		Date Sampled: 07/20/04
Lab Sample ID: F25557-2		Date Received: 07/21/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	109%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

Client Sample ID: PIN20-MWL1		
Lab Sample ID: F25557-3		Date Sampled: 07/21/04
Matrix: AQ - Ground Water		Date Received: 07/21/04
Method: SW846 8260B		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030088.D	1	07/31/04	RA	n/a	n/a	VG1130
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	3.6	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-MWL1		Date Sampled: 07/21/04
Lab Sample ID: F25557-3		Date Received: 07/21/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

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	6.8	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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	101%		73-126%
2037-26-5	Toluene-D8	90%		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

Client Sample ID: PIN20-MWL2	
Lab Sample ID: F25557-4	Date Sampled: 07/21/04
Matrix: AQ - Ground Water	Date Received: 07/21/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	G0030100.D	2	08/01/04	JG	n/a	n/a	VG1131
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	2.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	1.9	2.0	1.0	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.80	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	11.8	2.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.60	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	17.5	2.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.60	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	2.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	1.0	ug/l	

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

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

Report of Analysis

Client Sample ID: PIN20-MWL2		Date Sampled: 07/21/04
Lab Sample ID: F25557-4		Date Received: 07/21/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	1.2	ug/l	
75-01-4	Vinyl chloride	110	2.0	1.0	ug/l	
	m,p-Xylene	ND	4.0	1.0	ug/l	
95-47-6	o-Xylene	ND	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	101%		73-126%
2037-26-5	Toluene-D8	93%		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

Report of Analysis

Client Sample ID: PIN20-0551	
Lab Sample ID: F25557-5	Date Sampled: 07/21/04
Matrix: AQ - Ground Water	Date Received: 07/21/04
Method: SW846 8260B	Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	G0030101.D	2	08/01/04	JG	n/a	n/a	VG1131
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	2.0	1.0	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	1.0	ug/l	
75-25-2	Bromoform	ND	2.0	1.0	ug/l	
108-90-7	Chlorobenzene	ND	2.0	1.0	ug/l	
75-00-3	Chloroethane	ND	2.0	2.0	ug/l	
67-66-3	Chloroform	ND	2.0	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	5.0	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	1.0	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	1.0	ug/l	
75-35-4	1,1-Dichloroethylene	1.8	2.0	1.0	ug/l	J
107-06-2	1,2-Dichloroethane	ND	2.0	1.0	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	1.0	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.80	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	12.6	2.0	1.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.60	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	1.0	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	1.0	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	16.6	2.0	1.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.60	ug/l	
100-41-4	Ethylbenzene	ND	2.0	1.0	ug/l	
74-83-9	Methyl bromide	ND	2.0	2.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	2.0	ug/l	
75-09-2	Methylene chloride	ND	2.0	2.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	1.0	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.60	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	1.0	ug/l	
127-18-4	Tetrachloroethylene	ND	2.0	1.0	ug/l	
108-88-3	Toluene	ND	2.0	1.0	ug/l	
79-01-6	Trichloroethylene	ND	2.0	1.0	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: PIN20-0551		Date Sampled: 07/21/04
Lab Sample ID: F25557-5		Date Received: 07/21/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	1.2	ug/l	
75-01-4	Vinyl chloride	97.1	2.0	1.0	ug/l	
	m,p-Xylene	ND	4.0	1.0	ug/l	
95-47-6	o-Xylene	ND	2.0	1.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	102%		73-126%
2037-26-5	Toluene-D8	97%		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-M062		Date Sampled: 07/21/04
Lab Sample ID: F25557-6		Date Received: 07/21/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0030084.D	50	07/31/04	RA	n/a	n/a	VG1130
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	50	25	ug/l	
75-27-4	Bromodichloromethane	ND	50	25	ug/l	
75-25-2	Bromoform	ND	50	25	ug/l	
108-90-7	Chlorobenzene	ND	50	25	ug/l	
75-00-3	Chloroethane	ND	50	50	ug/l	
67-66-3	Chloroform	ND	50	25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	250	130	ug/l	
56-23-5	Carbon tetrachloride	ND	50	25	ug/l	
75-34-3	1,1-Dichloroethane	ND	50	25	ug/l	
75-35-4	1,1-Dichloroethylene	ND	50	25	ug/l	
107-06-2	1,2-Dichloroethane	ND	50	25	ug/l	
78-87-5	1,2-Dichloropropane	ND	50	25	ug/l	
124-48-1	Dibromochloromethane	ND	50	20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	50	25	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1810	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	50	15	ug/l	
541-73-1	m-Dichlorobenzene	ND	50	25	ug/l	
95-50-1	o-Dichlorobenzene	ND	50	25	ug/l	
106-46-7	p-Dichlorobenzene	ND	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	50	25	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	50	15	ug/l	
100-41-4	Ethylbenzene	ND	50	25	ug/l	
74-83-9	Methyl bromide	ND	50	50	ug/l	
74-87-3	Methyl chloride	ND	50	50	ug/l	
75-09-2	Methylene chloride	ND	50	50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	50	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	50	15	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	50	25	ug/l	
127-18-4	Tetrachloroethylene	ND	50	25	ug/l	
108-88-3	Toluene	73.7	50	25	ug/l	
79-01-6	Trichloroethylene	ND	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

3.6
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Client Sample ID: PIN20-M062		Date Sampled: 07/21/04
Lab Sample ID: F25557-6		Date Received: 07/21/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	50	30	ug/l	
75-01-4	Vinyl chloride	2310	50	25	ug/l	
	m,p-Xylene	ND	100	25	ug/l	
95-47-6	o-Xylene	ND	50	25	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	89%		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-MWL5		Date Sampled: 07/21/04
Lab Sample ID: F25557-7		Date Received: 07/21/04
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	G0030102.D	1	08/01/04	JG	n/a	n/a	VG1131
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:	07/21/04
Lab Sample ID:	F25557-7	Date Received:	07/21/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Star Center-4.5 Acre Quarterly Sampling		

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	98%		73-126%
2037-26-5	Toluene-D8	92%		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-M049		
Lab Sample ID: F25557-8		Date Sampled: 07/21/04
Matrix: AQ - Ground Water		Date Received: 07/21/04
Method: SW846 8260B		Percent Solids: n/a
Project: Star Center-4.5 Acre Quarterly Sampling		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	G0030103.D	1	08/01/04	JG	n/a	n/a	VG1131
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	9.6	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.1	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-M049	Date Sampled:	07/21/04
Lab Sample ID:	F25557-8	Date Received:	07/21/04
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Star Center-4.5 Acre Quarterly Sampling		

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	6.3	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	92%		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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: **F25557**

CLIENT INFORMATION			FACILITY INFORMATION			ANALYTICAL INFORMATION			MATRIX CODES		
NAME: SM Stoller ADDRESS: 7887 Bryan Dairy Road CITY: Largo STATE: FL ZIP: 33777			PROJECT NAME: Star Center Quarterly Samp. LOCATION: 4.5 Acre Site PROJECT NO.: 110406202			VOCs - 8260B			DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID		
SEND REPORT TO: PHONE #			FAX #								
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION			LAB USE ONLY			
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	ACT				INCH
1	PIN20-MWL6	7/20/04	1504	JPC	GW	3	3				3
2	PIN20-0558	7/20/04	1500	JPC	GW	3	3				3
3	PIN20-MWL1	7/21/04	0825	SDL	GW	3	3				3
4	PIN20-mwL2	7/21/04	0855	SDL	GW	3	3				3
5	PIN20-0551	7/21/04	-	SDL	GW	3	3				3
6	PIN20-M062	7/21/04	0935	SDL	GW	3	3				3
7	PIN20-MWL5	7/21/04	1045	SDL	GW	3	3				3
8	PIN20-M049	7/21/04	1005	SDL	GW	3	3				3
DATA TURNAROUND INFORMATION <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER APPROVED BY: _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED			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>[Signature]</i>	DATE TIME: 7-21-04	RECEIVED BY: 1. <i>[Signature]</i>	DATE TIME: 7/21/04 1320	RELINQUISHED BY: 2. <i>[Signature]</i>	DATE TIME: 7/21/04	RECEIVED BY: 2. <i>[Signature]</i>	DATE TIME: 10:20	RELINQUISHED BY: 3. <i>[Signature]</i>	DATE TIME:	RECEIVED BY: 3. <i>[Signature]</i>	DATE TIME:
RELINQUISHED BY: 3. <i>[Signature]</i>	DATE TIME:	RECEIVED BY: 3. <i>[Signature]</i>	DATE TIME:	RELINQUISHED BY: 4. <i>[Signature]</i>	DATE TIME:	RECEIVED BY: 4. <i>[Signature]</i>	DATE TIME:	RELINQUISHED BY: 5. <i>[Signature]</i>	DATE TIME:	RECEIVED BY: 5. <i>[Signature]</i>	DATE TIME:
SEAL # _____ PRESERVE WHERE APPLICABLE <input type="checkbox"/>						ON ICE <input type="checkbox"/>		TEMPERATURE 0.6° C			

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F25557: Chain of Custody

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ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: **F25557**
 Client: S.M. Stoller Project: STAR Center - 4.5 Acre Site
 Date Received: 7/21/04 Time Received: 16:20
 # of Coolers Received: 1 Cooler Temperatures: 0.6°C
 Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other
 Air Bill Number: _____

Cooler Custody Seals Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Chain of Custody Provided ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
COC Match Bottle Label ID's ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Sample Labels Present on all bottles ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
All Analyses Marked On COC ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Are All Bottles Intact ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Samples Preserved Correctly ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Correct Number of Containers Used ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Sufficient Sample Volume ?	<input checked="" type="radio"/> Yes	<input type="radio"/> No
Trip Blank Provided ?	Yes	<input checked="" type="radio"/> No
Trip Blank on COC ?	Yes	<input checked="" type="radio"/> No
Trip Blank Intact ?	Yes	No <input checked="" type="radio"/> N/A
Trip Blank Matrix ?	Soil	Water <input checked="" type="radio"/> N/A
Number of Encores ?	<u>0</u>	
Number of Soil Field Kits ?	<u>0</u>	

Summary of Comments: _____

Signature: [Signature] Date: 7/21/04

Review Signature: _____

ASBD 12/30/03

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F25557: Chain of Custody
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