



07/15/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7030-226

Accutest Job Number: F30881

Sampling Date: 04/06/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: 8



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


Harry Behzadi, Ph.D.
Laboratory Director

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

-1-

Section 1: Sample Summary 3

Section 2: Case Narrative/Conformance Summary 4

Section 3: Sample Results 5

3.1: F30881-1: PIN20-TRTE-N002*4.5 ACRE SITE 5

Section 4: Misc. Forms 6

4.1: Chain of Custody 7



Sample Summary

S M Stoller

Job No: F30881

Pinellas Environmental Restoration Project - 4.5 Acre Site
Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F30881-1	04/06/05	08:48 JPC	04/06/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F30881

Site: Pinellas Environmental Restoration Project - 4.5 Acre Site

Report Date 4/18/2005

1 Sample was collected on 04/06/2005 and was received at Accutest on 04/06/2005 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F30881. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

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

Volatiles by GCMS By Method EPA 624

Matrix: AQ

Batch ID: VB1239

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

All method blanks for this batch meet method specific criteria.

F30881-1: Sample collected on 04/06/05 at 08:48.

F30881-1 for Benzene: Sample was treated with an anti-foaming agent.

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

Narrative prepared by:

Date: April 19, 2005

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

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 #: **F30881**
ACCUTEST QUOTE #:

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION								MATRIX CODES
NAME: <u>S.M. Staller</u> ADDRESS: <u>7887 Bryan Dairy Rd, Suite 260</u> <u>Large</u> <u>FL</u> <u>33777</u> CITY, STATE ZIP SEND REPORT TO: PHONE #		PROJECT NAME: <u>STAR Center - Monthly effluent sample</u> LOCATION: <u>4.5 Acre Site</u> <u>7030-226</u> PROJECT NO. FAX #				BIEX, Total VOAs (by 624)								DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	DATE	TIME	SAMPLED BY:	MATRIX									# OF BOTTLES
1	PIN20-TRTE-N002 * 4.5 Acre Site	4-6-05	0848	JPC	GW	3	3							
DATA TURNAROUND INFORMATION <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED		DATA DELIVERABLE INFORMATION <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				COMMENTS/REMARKS <u>Benzene</u> <u>Xylenes</u> <u>Toluene</u> <u>Total VOAs</u> <u>Ethylbenzene</u>								
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY														
RELINQUISHED BY/SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
<u>[Signature]</u>	<u>4-6-05</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>4-6-05</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>4-6-05</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>4-6-05</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>4-6-05</u>	<u>[Signature]</u>
3.		3.	4.		4.	5.		5.	SEAL #	PRESERVE WHERE APPLICABLE	ON ICE	TEMPERATURE		
5.		5.								<input type="checkbox"/>	<input type="checkbox"/>	<u>3.0</u> C		

4.1
4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

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

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SOIL INFORMATION

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

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

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

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

ASBD02/04/05

F30881: Chain of Custody

Page 2 of 2



07/15/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

7030-226

Accutest Job Number: F30884

Sampling Date: 04/06/05

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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Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Sample Results	6
3.1: F30884-1: PIN20-RW01-N001	6
3.2: F30884-2: PIN20-RW02-N001	8
3.3: F30884-3: PIN20-RW03-N001	10
3.4: F30884-4: PIN20-TRTI-N001	12
3.5: F30884-5: PIN20-TRTE-N001	16
Section 4: Misc. Forms	23
4.1: Chain of Custody	24



Sample Summary

S M Stoller

Job No: F30884

Pinellas Environmental Restoration Project - Young- Rainey Star Center
 Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F30884-1	04/06/05	08:26 JPC	04/06/05	AQ	Ground Water	PIN20-RW01-N001
F30884-2	04/06/05	08:31 JPC	04/06/05	AQ	Ground Water	PIN20-RW02-N001
F30884-3	04/06/05	08:36 JPC	04/06/05	AQ	Ground Water	PIN20-RW03-N001
F30884-4	04/06/05	08:40 JPC	04/06/05	AQ	Ground Water	PIN20-TRTI-N001
F30884-5	04/06/05	08:46 JPC	04/06/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F30884

Site: Pinellas Environmental Restoration Project - Young- Rainey Star

Report Date 4/21/2005

5 Samples were collected on 04/06/2005 and were received at Accutest on 04/06/2005 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F30884. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

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

Volatiles by GCMS By Method EPA 624

Matrix: AQ

Batch ID: VB1239

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

All method blanks for this batch meet method specific criteria.

MS/MSD recovery for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. The Blank Spike is within limits. Data not adversely affected.

F30884-4: Sample was treated with an anti-foaming agent.

F30884-5: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VB1243

Samples F30963-4MS, F30963-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recovery for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. The Blank Spike is within limits. Data not adversely affected.

F30884-1: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VC1293

Samples F30854-3MS, F30854-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recovery for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. The Blank Spike is within limits. Data not adversely affected.

F30884-2: Sample was treated with an anti-foaming agent.

Matrix: AQ

Batch ID: VC1294

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

All method blanks for this batch meet method specific criteria.

MS/MSD recovery for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference. The Blank Spike is within limits. Data not adversely affected.

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

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

F30884-3: Sample was treated with an anti-foaming agent.

Extractables by GCMS By Method EPA 625

Matrix: AQ

Batch ID: OP12946

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

All method blanks for this batch meet method specific criteria.

RPD for MSD for 3,3'-Dichlorobenzidine is outside control limits for sample OP12946-MSD. Probable cause due to sample homogeneity.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP7886

All method blanks for this batch meet method specific criteria.

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

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

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

Date: April 21, 2005

Report of Analysis

Client Sample ID:	PIN20-RW01-N001	Date Sampled:	04/06/05
Lab Sample ID:	F30884-1	Date Received:	04/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B028928.D	1	04/18/05	KW	n/a	n/a	VB1243
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-RW01-N001		Date Sampled: 04/06/05
Lab Sample ID: F30884-1		Date Received: 04/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	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	90%		73-126%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	103%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-RW02-N001	
Lab Sample ID:	F30884-2	Date Sampled: 04/06/05
Matrix:	AQ - Ground Water	Date Received: 04/06/05
Method:	SW846 8260B	Percent Solids: n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0031543.D	1	04/14/05	KW	n/a	n/a	VC1293
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.1	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-RW02-N001	
Lab Sample ID: F30884-2	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	3.5	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	93%		86-115%
17060-07-0	1,2-Dichloroethane-D4	91%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	116%		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-RW03-N001	
Lab Sample ID: F30884-3	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	C0031555.D	1	04/15/05	KW	n/a	n/a	VC1294
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.8	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	2.3	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-RW03-N001	
Lab Sample ID:	F30884-3	Date Sampled: 04/06/05
Matrix:	AQ - Ground Water	Date Received: 04/06/05
Method:	SW846 8260B	Percent Solids: n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	20.1	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	92%		86-115%
17060-07-0	1,2-Dichloroethane-D4	91%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	117%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001	
Lab Sample ID:	F30884-4	Date Sampled: 04/06/05
Matrix:	AQ - Ground Water	Date Received: 04/06/05
Method:	EPA 624	Percent Solids: n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B028820.D	1	04/13/05	KW	n/a	n/a	VB1239
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-TRTI-N001		Date Sampled: 04/06/05
Lab Sample ID: F30884-4		Date Received: 04/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 624		
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	97%		86-112%
460-00-4	4-Bromofluorobenzene	110%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F30884-4	Date Sampled:	04/06/05
Matrix:	AQ - Ground Water	Date Received:	04/06/05
		Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	6850	300	48	ug/l	1	04/11/05	04/13/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4289

(2) Prep QC Batch: MP7886

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-TRTI-N001	Date Sampled: 04/06/05
Lab Sample ID: F30884-4	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	962	4.0	mg/l	1	04/21/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001	
Lab Sample ID:	F30884-5	Date Sampled: 04/06/05
Matrix:	AQ - Ground Water	Date Received: 04/06/05
Method:	EPA 624	Percent Solids: n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B028821.D	1	04/13/05	KW	n/a	n/a	VB1239
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	1.4	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: PIN20-TRTE-N001		Date Sampled: 04/06/05
Lab Sample ID: F30884-5		Date Received: 04/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 624		
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	3.5	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	109%		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-TRTE-N001	Date Sampled:	04/06/05
Lab Sample ID:	F30884-5	Date Received:	04/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F009068.D	1	04/11/05	NJ	04/09/05	OP12946	SF524
Run #2							

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

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
86-74-8	Carbazole	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001	Date Sampled:	04/06/05
Lab Sample ID:	F30884-5	Date Received:	04/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.96	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.96	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.96	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	1.9	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.96	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	39%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	89%		36-137%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-TRTE-N001	
Lab Sample ID: F30884-5	Date Sampled: 04/06/05
Matrix: AQ - Ground Water	Date Received: 04/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		49-119%
321-60-8	2-Fluorobiphenyl	78%		45-118%
1718-51-0	Terphenyl-d14	84%		46-135%

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F30884-5	Date Sampled:	04/06/05
Matrix:	AQ - Ground Water	Date Received:	04/06/05
		Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	6760	300	48	ug/l	1	04/11/05	04/13/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4289

(2) Prep QC Batch: MP7886

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-TRTE-N001	Date Sampled: 04/06/05
Lab Sample ID: F30884-5	Date Received: 04/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	978	4.0	mg/l	1	04/21/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #: **F30884**
ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES		
NAME: <u>S. M. Stoller</u> ADDRESS: <u>7887 Bryan Dairy Rd., Suite 260</u> CITY: <u>Largo</u> STATE: <u>FL</u> ZIP: <u>33777</u> SEND REPORT TO: _____ PHONE #: _____			PROJECT NAME: <u>STAR Center - Monthly Sampling</u> LOCATION: <u>4.5 Acre Site</u> PROJECT NO.: _____ FAX #: _____				VOCs - 8260 VOCs - 624 SVOCs - 625 Fe + Hardness				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID		
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			MATRIX	# OF BOTTLES	PRESERVATION				LAB USE ONLY		
		DATE	TIME	SAMPLED BY:			HCl	NIHQ	NIHQ3	HSB04		NONE	
1	PIN20-RW01-N001	4-6-05	0826	JPL	GW	3	3						
2	PIN20-RW02-N001		0831			3	3						
3	PIN20-RW03-N001		0836			3	3						
4	PIN20-TRTI-N001		0840			4	3	1			3	1	
5	PIN20-TRTE-N001		0846	↓	↓	6	3	1	2		3	2	1
DATA TURNAROUND INFORMATION <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED			DATA DELIVERABLE INFORMATION <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				COMMENTS/REMARKS						
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY													
RELINQUISHED BY: <u>[Signature]</u>	DATE TIME: <u>4-6-05</u>	RECEIVED BY: <u>[Signature]</u>	DATE TIME: _____	RELINQUISHED BY: <u>2. Accutest</u>	DATE TIME: <u>4-6-05 13:26</u>	RECEIVED BY: <u>[Signature]</u>	DATE TIME: _____						
RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	DATE TIME: _____	RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	DATE TIME: _____						
RELINQUISHED BY: _____	DATE TIME: _____	RECEIVED BY: _____	DATE TIME: _____	SEAL # _____	PRESERVE WHERE APPLICABLE <input type="checkbox"/>	ON ICE <input type="checkbox"/>	TEMPERATURE <u>3.0</u> C						

4.1
4

F30884: Chain of Custody

Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F30884 CLIENT: S.M. Stoller PROJECT: Star Center
DATE/TIME RECEIVED: 4-6-05/17:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SOIL INFORMATION

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

SUMMARY OF COMMENTS:

SAMPLE INFORMATION

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

TECHNICIAN SIGNATURE/DATE [Signature] 4-6-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05



07/15/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7030-226

Accutest Job Number: F31723

Sampling Date: 05/06/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: 8



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


Harry Behzadi, Ph.D.
Laboratory Director

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

-1-

Section 1: Sample Summary 3

Section 2: Case Narrative/Conformance Summary 4

Section 3: Sample Results 5

3.1: F31723-1: PIN20-TRTE-N002*4.5 ACRE SITE 5

Section 4: Misc. Forms 6

4.1: Chain of Custody 7



Sample Summary

S M Stoller

Job No: F31723

Pinellas Environmental Restoration Project - 4.5 Acre Site
Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F31723-1	05/06/05	10:06 JPC	05/06/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F31723

Site: Pinellas Environmental Restoration Project - 4.5 Acre Site

Report Date 5/17/2005

1 Sample was collected on 05/06/2005 and were received at Accutest on 05/06/2005 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F31723. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

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

Volatiles by GCMS By Method EPA 624

Matrix: AQ

Batch ID: VB1267

All method blanks for this batch meet method specific criteria.

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

F31723-1: Sample was treated with an anti-foaming agent.

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

Narrative prepared by:

Date: May 20, 2005

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

Report of Analysis

Client Sample ID: PIN20-TRTE-N002*4.5 ACRE SITE	
Lab Sample ID: F31723-1	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 624	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site	

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030160.D	1	05/09/05	KW	n/a	n/a	VB1267
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	87%		73-126%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	110%		83-119%

- (a) Sample collected on 05/06/05 at 10:06.
- (b) Sample was treated with an anti-foaming agent.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #: **F31723**
 ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES		
NAME: <u>S.M. Stoller</u> ADDRESS: <u>7887 Bryan Dairy Rd., Suite 260</u> CITY, STATE, ZIP: <u>Large FL 33777</u>			PROJECT NAME: <u>STAR Center - Monthly effluent sample</u> LOCATION: <u>4.5 Acre Site</u> PROJECT NO.: <u>7030-226</u> FAX #: _____				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID				LAB USE ONLY		
SEND REPORT TO: PHONE # _____			COLLECTION									PRESERVATION	
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	DATE	TIME	SAMPLED BY:	MATRIX	NO. OF BOTTLES	IC1	NH3	PHOS	PEROX	NONE		
	<u>PTW20-TRTE-N002 X 4.5 Acre Site</u>	<u>5-4-05</u>	<u>1006</u>	<u>JPC</u>	<u>GW</u>	<u>3</u>	<u>3</u>						
DATA TURNAROUND INFORMATION <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED			DATA DELIVERABLE INFORMATION <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				COMMENTS/REMARKS <u>Benzene</u> <u>Xylenes</u> <u>Toluene</u> <u>Total VOAs</u> <u>Ethylbenzene</u>						
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY													
RELINQUISHED BY SAMPLER: <u>1. J.P. Lee</u>	DATE TIME: <u>5-4-05/1230</u>	RECEIVED BY: <u>1. [Signature]</u>	RELINQUISHED BY: <u>2.</u>	DATE TIME: <u>5-6-05 3:30</u>	RECEIVED BY: <u>4.</u>								
RELINQUISHED BY: <u>3.</u>	DATE TIME: <u>6</u>	RECEIVED BY: <u>3.</u>	RELINQUISHED BY: <u>4.</u>	DATE TIME: _____	RECEIVED BY: <u>4.</u>								
RELINQUISHED BY: <u>5.</u>	DATE TIME: _____	RECEIVED BY: <u>5.</u>	SEAL # _____	PRESERVE WHERE APPLICABLE <input type="checkbox"/>	ON ICE <input type="checkbox"/>	TEMPERATURE _____ C							

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: **F31723** CLIENT: S.M. Stoller PROJECT: monthly effluent sample
DATE/TIME RECEIVED: 2-6-05 / 15:53 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 38, 38
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: _____

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SOIL INFORMATION

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

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

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

TECHNICIAN SIGNATURE/DATE Stevie Brown / 2-4-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05



07/15/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

7030-226

Accutest Job Number: F31724

Sampling Date: 05/06/05

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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Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Sample Results	6
3.1: F31724-1: PIN20-RW01-N001	6
3.2: F31724-2: PIN20-RW02-N001	8
3.3: F31724-3: PIN20-RW03-N001	10
3.4: F31724-4: PIN20-TRTI-N001	12
3.5: F31724-5: PIN20-TRTE-N001	16
Section 4: Misc. Forms	23
4.1: Chain of Custody	24



Sample Summary

S M Stoller

Job No: F31724

Pinellas Environmental Restoration Project - Young- Rainey Star Center
 Project No: 7030-226

Sample Number	Collected		Received	Matrix		Client Sample ID
	Date	Time By		Code	Type	
F31724-1	05/06/05	09:39 JPC	05/06/05	AQ	Ground Water	PIN20-RW01-N001
F31724-2	05/06/05	09:47 JPC	05/06/05	AQ	Ground Water	PIN20-RW02-N001
F31724-3	05/06/05	09:54 JPC	05/06/05	AQ	Ground Water	PIN20-RW03-N001
F31724-4	05/06/05	09:59 JPC	05/06/05	AQ	Ground Water	PIN20-TRTI-N001
F31724-5	05/06/05	10:04 JPC	05/06/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F31724

Site: Pinellas Environmental Restoration Project - Young- Rainey Star

Report Date 5/17/2005

5 Samples were collected on 05/06/2005 and were received at Accutest on 05/06/2005 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F31724. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

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

Volatiles by GCMS By Method EPA 624

Matrix: AQ

Batch ID: VB1267

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

All method blanks for this batch meet method specific criteria.

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

F31724-5: Sample was treated with an anti-foaming agent.

F31724-4: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VB1275

Samples F31631-7MS, F31631-7MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

F31724-3: Sample was treated with an anti-foaming agent.

F31724-2: Sample was treated with an anti-foaming agent.

F31724-1: Sample was treated with an anti-foaming agent.

Extractables by GCMS By Method EPA 625

Matrix: AQ

Batch ID: OP13290

All method blanks for this batch meet method specific criteria.

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

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

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP8001

All method blanks for this batch meet method specific criteria.

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

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

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

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

Narrative prepared by:

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

Date: May 20, 2005

Report of Analysis

Client Sample ID: PIN20-RW01-N001	
Lab Sample ID: F31724-1	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030301.D	1	05/16/05	KW	n/a	n/a	VB1275
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.4	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-RW01-N001	
Lab Sample ID:	F31724-1	Date Sampled: 05/06/05
Matrix:	AQ - Ground Water	Date Received: 05/06/05
Method:	SW846 8260B	Percent Solids: n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	1.2	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	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	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

Client Sample ID:	PIN20-RW02-N001		
Lab Sample ID:	F31724-2	Date Sampled:	05/06/05
Matrix:	AQ - Ground Water	Date Received:	05/06/05
Method:	SW846 8260B	Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030302.D	1	05/16/05	KW	n/a	n/a	VB1275
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.5	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: PIN20-RW02-N001	
Lab Sample ID: F31724-2	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	2.1	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	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	92%		73-126%
2037-26-5	Toluene-D8	97%		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-RW03-N001	
Lab Sample ID: F31724-3	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030303.D	1	05/16/05	KW	n/a	n/a	VB1275
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.8	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	2.2	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-RW03-N001	
Lab Sample ID:	F31724-3	Date Sampled: 05/06/05
Matrix:	AQ - Ground Water	Date Received: 05/06/05
Method:	SW846 8260B	Percent Solids: n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	15.8	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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	92%		73-126%
2037-26-5	Toluene-D8	98%		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

Client Sample ID:	PIN20-TRTI-N001	
Lab Sample ID:	F31724-4	Date Sampled: 05/06/05
Matrix:	AQ - Ground Water	Date Received: 05/06/05
Method:	EPA 624	Percent Solids: n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030161.D	1	05/10/05	KW	n/a	n/a	VB1267
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	9.4	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	78.2	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.54	1.0	0.40	ug/l	J
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.6	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-TRTI-N001	
Lab Sample ID: F31724-4	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 624	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	87%		73-126%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	112%		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-TRTI-N001	Date Sampled: 05/06/05
Lab Sample ID: F31724-4	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	6880	300	7.5	ug/l	1	05/10/05	05/11/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4334

(2) Prep QC Batch: MP8001

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001	
Lab Sample ID:	F31724-4	Date Sampled: 05/06/05
Matrix:	AQ - Ground Water	Date Received: 05/06/05
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	
		Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	948	4.0	mg/l	1	05/13/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001	Date Sampled:	05/06/05
Lab Sample ID:	F31724-5	Date Received:	05/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 624	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030162.D	1	05/10/05	KW	n/a	n/a	VB1267
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	5.1	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	63.6	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-TRTE-N001	
Lab Sample ID: F31724-5	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 624	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		86-115%
17060-07-0	1,2-Dichloroethane-D4	88%		73-126%
2037-26-5	Toluene-D8	105%		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

Client Sample ID: PIN20-TRTE-N001	
Lab Sample ID: F31724-5	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #1	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F009679.D	1	05/12/05	NJ	05/12/05	OP13290	SF551
Run #2							

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

ABN TCL List

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

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001	Date Sampled:	05/06/05
Lab Sample ID:	F31724-5	Date Received:	05/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

ABN TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	37%		19-90%
4165-62-2	Phenol-d5	25%		10-68%
118-79-6	2,4,6-Tribromophenol	80%		36-137%

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-TRTE-N001	
Lab Sample ID: F31724-5	Date Sampled: 05/06/05
Matrix: AQ - Ground Water	Date Received: 05/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	69%		49-119%
321-60-8	2-Fluorobiphenyl	75%		45-118%
1718-51-0	Terphenyl-d14	79%		46-135%

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

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

Report of Analysis

Client Sample ID: PIN20-TRTE-N001	Date Sampled: 05/06/05
Lab Sample ID: F31724-5	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	6610	300	7.5	ug/l	1	05/10/05	05/11/05 DM	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4334

(2) Prep QC Batch: MP8001

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID: PIN20-TRTE-N001	Date Sampled: 05/06/05
Lab Sample ID: F31724-5	Date Received: 05/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	912	4.0	mg/l	1	05/13/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #: **F31724**
ACCUTEST QUOTE #:

CLIENT INFORMATION			FACILITY INFORMATION				ANALYTICAL INFORMATION										MATRIX CODES
S.M. Stoller NAME 7887 Bryan Dairy Rd, Suite 260 ADDRESS Largo FL 33777 CITY STATE ZIP SEND REPORT TO: PHONE #			STAR Center - Monthly sampling PROJECT NAME 4.5 Acre site LOCATION 7030-226 PROJECT NO. FAX #				VOCs-8260 VOCs-624 SVOCs-625 Fe + Hardness										DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION				PRESERVATION						LAB USE ONLY					
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	HCl	NHCl	NH ₄ OH	HNO ₃	H ₂ O ₂		NONE				
1	PIN20-RW01-N001	5-4-05	0939	JPC	GW								3				
2	PIN20-RW02-N001		0947										3				
3	PIN20-RW03-N001		0954										3				
4	PIN20-TRTI-N001		0959										3	1			
5	PIN20-TRTE-N001		1004										3	2 1			
DATA TURNAROUND INFORMATION <input checked="" type="checkbox"/> STANDARD APPROVED BY: _____ <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER _____ EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED			DATA DELIVERABLE INFORMATION <input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> COMMERCIAL "B" <input type="checkbox"/> DISK DELIVERABLE <input type="checkbox"/> STATE FORMS <input type="checkbox"/> OTHER (SPECIFY) _____				COMMENTS/REMARKS 										
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY																	
1. RELINQUISHED BY: <i>S.M. Stoller</i>		DATE TIME: 5-4-05/1230		RECEIVED BY: <i>S.M. Stoller</i>		2. RELINQUISHED BY: <i>Accutest</i>		DATE TIME: 5-6-05 3:30		RECEIVED BY: <i>Stacy Cannon</i>		4.					
3. RELINQUISHED BY:		DATE TIME:		RECEIVED BY:		4. RELINQUISHED BY:		DATE TIME:		RECEIVED BY:		4.					
5. RELINQUISHED BY:		DATE TIME:		RECEIVED BY:		SEAL #		PRESERVE WHERE APPLICABLE		ON ICE		TEMPERATURE 30.35 C					

4.1
4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: **F31724** CLIENT: S.M. Stoller PROJECT: Monthly Sampling
DATE/TIME RECEIVED: 5-6-05 / 14:35 # OF COOLERS RECEIVED: 2 COOLER TEMPS: 3.4, 3.8
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS: _____

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SOIL INFORMATION

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

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

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

TECHNICIAN SIGNATURE/DATE Stoller 5-6-05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05

F31724: Chain of Custody

Page 2 of 2



07/15/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7030-226

Accutest Job Number: F32335

Sampling Date: 06/06/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

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



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


Harry Behzadi, Ph.D.
Laboratory Director

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

-1-

Section 1: Sample Summary 3

Section 2: Case Narrative/Conformance Summary 4

Section 3: Sample Results 5

3.1: F32335-1: PIN20-TRTE-N002*4.5 ACRE SITE 5

Section 4: Misc. Forms 6

4.1: Chain of Custody 7



Sample Summary

S M Stoller

Job No: F32335

Pinellas Environmental Restoration Project - 4.5 Acre Site
Project No: 7030-226

Sample Number	Collected		Matrix			Client Sample ID
	Date	Time By	Received	Code	Type	
F32335-1	06/06/05	11:29 JPC	06/06/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F32335

Site: Pinellas Environmental Restoration Project - 4.5 Acre Site

Report Date 6/20/2005

1 Sample was collected on 06/06/2005 and were received at Accutest on 06/06/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F32335. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

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

Volatiles by GCMS By Method EPA 624

Matrix: AQ

Batch ID: VB1303

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

All method blanks for this batch meet method specific criteria.

F32335-1: Sample collected on 06/06/05 at 11:29.

F32335-1 for Benzene: Sample was treated with an anti-foaming agent.

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

Narrative prepared by:

Date: June 20, 2005

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

Report of Analysis

Client Sample ID: PIN20-TRTE-N002*4.5 ACRE SITE	
Lab Sample ID: F32335-1	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 624	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030900.D	1	06/15/05	KW	n/a	n/a	VB1303
Run #2							

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

Purgeable Aromatics

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	105%		83-119%

- (a) Sample collected on 06/06/05 at 11:29.
 (b) Sample was treated with an anti-foaming agent.

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
F32335

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES	
NAME: <u>S.M. Stoller</u> ADDRESS: <u>7887 Bryon Dairy Rd, Suite 260</u> <u>Largo FL 33777</u> CITY: _____ STATE: _____ ZIP: _____ SEND REPORT TO: _____ PHONE # _____		PROJECT NAME: <u>STAR Center - Monthly effluent sample</u> LOCATION: <u>4.5 Acre Site</u> <u>7030-226</u> PROJECT NO. _____ FAX # _____				(by 624) BTX, Total VOAs				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OL - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID	
ACCUTEST SAMPLE	FIELD ID / POINT OF COLLECTION	COLLECTION			MATRIX	# OF BOTTLES	PRESERVATION				LAB USE ONLY
		DATE	TIME	SAMPLED BY:			HCl	NHCl	RESQ	NONE	
①	PIN20-TRTE-N202 X 4.5 Acre Site	6-6-05	1129	JPC	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 <u>Benzene</u> <u>Xylenes</u> <u>Toluene</u> <u>Total VOAs</u> <u>Ethylbenzene</u>					
SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION, INCLUDING COURIER DELIVERY											
RELINQUISHED BY: 1. <u>J.P. Curran</u>	DATE TIME: <u>6-6-05/1410</u>	RECEIVED BY: 1. <u>Steph C. Saty</u>	RELINQUISHED BY: 2. <u>A/PM</u>	DATE TIME: <u>6-6-05 2:00</u>	RECEIVED BY: 2. <u>[Signature]</u>	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 <input type="checkbox"/>	ON ICE <input type="checkbox"/>	TEMPERATURE <u>2-6</u> C					

4.1
4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32335 CLIENT: S.M. Staller PROJECT: Star Center monthly Eff
DATE/TIME RECEIVED: 6/6/05 17:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? _____
NUMBER OF 5035 FIELD KITS ? 8

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

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

TECHNICIAN SIGNATURE/DATE [Signature]

TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05



07/15/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

110406202

Accutest Job Number: F32337

Sampling Date: 06/06/05

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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Table of Contents

-1-

Section 1: Sample Summary	3
Section 2: Case Narrative/Conformance Summary	4
Section 3: Sample Results	6
3.1: F32337-1: PIN20-RW01-N001	6
3.2: F32337-2: PIN20-RW02-N001	8
3.3: F32337-3: PIN20-RW03-N001	10
3.4: F32337-4: PIN20-TRTI-N001	12
3.5: F32337-5: PIN20-TRTE-N001	16
Section 4: Misc. Forms	23
4.1: Chain of Custody	24



Sample Summary

S M Stoller

Job No: F32337

Pinellas Environmental Restoration Project - Young- Rainey Star Center
Project No: 110406202

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
F32337-1	06/06/05	11:13 JPC	06/06/05	AQ	Ground Water	PIN20-RW01-N001
F32337-2	06/06/05	11:17 JPC	06/06/05	AQ	Ground Water	PIN20-RW02-N001
F32337-3	06/06/05	11:21 JPC	06/06/05	AQ	Ground Water	PIN20-RW03-N001
F32337-4	06/06/05	11:24 JPC	06/06/05	AQ	Ground Water	PIN20-TRTI-N001
F32337-5	06/06/05	11:27 JPC	06/06/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller

Job No: F32337

Site: Pinellas Environmental Restoration Project - 4.5 Acre Site

Report Date 6/20/2005

5 Samples were collected on 06/06/2005 and were received at Accutest on 06/06/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F32337. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

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

Volatiles by GCMS By Method EPA 624

Matrix: AQ

Batch ID: VB1303

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

All method blanks for this batch meet method specific criteria.

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

F32337-5: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ

Batch ID: VB1302

Samples F32414-1MS, F32414-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

RPD for MS/MSD for 2-Chloroethyl vinyl ether are outside control limits for sample F32414-1MSD. Probable cause due to sample homogeneity.

F32337-3: Sample was treated with an anti-foaming agent.

F32337-2: Sample was treated with an anti-foaming agent.

F32337-1: Sample was treated with an anti-foaming agent.

Extractables by GCMS By Method EPA 625

Matrix: AQ

Batch ID: OP13537

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

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery(s) for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Hexachloroethane are outside control limits.

OP13537-BS for Hexachloroethane, 1,2,4-Trichlorobenzene, 1,4-Dichlorobenzene, 1,3-Dichlorobenzene, 1,2-Dichlorobenzene: Sporadic marginal failure, within limits in MS/MSD.

Metals By Method SW846 6010B

Matrix: AQ

Batch ID: MP8120

Samples F32317-3DUP, F32317-3MS, F32317-3MSD, F32317-3SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

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

Narrative prepared by:

Date: June 20, 2005

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

Report of Analysis

Client Sample ID: PIN20-RW01-N001	
Lab Sample ID: F32337-1	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030876.D	1	06/14/05	KW	n/a	n/a	VB1302
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-RW01-N001	
Lab Sample ID: F32337-1	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: SW846 8260B	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	1.1	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	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	92%		73-126%
2037-26-5	Toluene-D8	98%		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-RW02-N001	Date Sampled:	06/06/05
Lab Sample ID:	F32337-2	Date Received:	06/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030877.D	1	06/14/05	KW	n/a	n/a	VB1302
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.6	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

32
3

Client Sample ID: PIN20-RW02-N001		Date Sampled: 06/06/05
Lab Sample ID: F32337-2		Date Received: 06/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: SW846 8260B		
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	2.1	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	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	110%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001	Date Sampled:	06/06/05
Lab Sample ID:	F32337-3	Date Received:	06/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030878.D	1	06/14/05	KW	n/a	n/a	VB1302
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.4	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	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	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN20-RW03-N001	Date Sampled:	06/06/05
Lab Sample ID:	F32337-3	Date Received:	06/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	SW846 8260B		
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	13.2	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	100%		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	109%		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-TRTI-N001	Date Sampled:	06/06/05
Lab Sample ID:	F32337-4	Date Received:	06/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 624	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B030905.D	1	06/15/05	KW	n/a	n/a	VB1303
Run #2	B030952.D	10	06/16/05	KW	n/a	n/a	VB1306

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.61	1.0	0.50	ug/l	J
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	321 ^a	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	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	2.4	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID: PIN20-TRTI-N001		Date Sampled: 06/06/05
Lab Sample ID: F32337-4		Date Received: 06/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 624		
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	2.8	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	100%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	91%	101%	73-126%
2037-26-5	Toluene-D8	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	105%	102%	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-TRTI-N001	
Lab Sample ID:	F32337-4	Date Sampled: 06/06/05
Matrix:	AQ - Ground Water	Date Received: 06/06/05
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	
		Percent Solids: n/a

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	7190	300	7.5	ug/l	1	06/08/05	06/09/05 RS	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4379

(2) Prep QC Batch: MP8120

RL = Reporting Limit
 MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001	
Lab Sample ID:	F32337-4	Date Sampled: 06/06/05
Matrix:	AQ - Ground Water	Date Received: 06/06/05
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center	
		Percent Solids: n/a

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	933	4.0	mg/l	1	06/14/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001	Date Sampled:	06/06/05
Lab Sample ID:	F32337-5	Date Received:	06/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 624	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 ^a	B030906.D	1	06/15/05	KW	n/a	n/a	VB1303
Run #2							

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	3.3	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

ND = Not detected MDL - Method Detection Limit

RL = Reporting Limit

E = Indicates value exceeds calibration range

J = Indicates an estimated value

B = Indicates analyte found in associated method blank

N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

Client Sample ID: PIN20-TRTE-N001		Date Sampled: 06/06/05
Lab Sample ID: F32337-5		Date Received: 06/06/05
Matrix: AQ - Ground Water		Percent Solids: n/a
Method: EPA 624		
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	92%		73-126%
2037-26-5	Toluene-D8	100%		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-TRTE-N001	
Lab Sample ID: F32337-5	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Run #	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F009938.D	1	06/14/05	NJ	06/08/05	OP13537	SF563
Run #2							

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

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	9.6	ug/l	
95-57-8	2-Chlorophenol	ND	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	ND	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	ND	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	ND	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	ND	4.8	1.9	ug/l	
	3&4-Methylphenol	ND	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	ND	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	ND	24	9.6	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.6	ug/l	
108-95-2	Phenol	ND	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	12.7	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.96	ug/l	
120-12-7	Anthracene	ND	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	ND	9.6	3.8	ug/l	
86-74-8	Carbazole	ND	4.8	0.96	ug/l	
218-01-9	Chrysene	ND	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	

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E = Indicates 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-TRTE-N001	Date Sampled:	06/06/05
Lab Sample ID:	F32337-5	Date Received:	06/06/05
Matrix:	AQ - Ground Water	Percent Solids:	n/a
Method:	EPA 625 EPA 625	Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.96	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.96	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	4.8	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	4.8	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	4.8	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	4.8	1.9	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	4.8	1.9	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	9.6	4.8	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	4.8	1.9	ug/l	
132-64-9	Dibenzofuran	ND	4.8	0.96	ug/l	
84-74-2	Di-n-butyl phthalate	ND	4.8	1.9	ug/l	
117-84-0	Di-n-octyl phthalate	ND	4.8	2.4	ug/l	
84-66-2	Diethyl phthalate	ND	4.8	1.9	ug/l	
131-11-3	Dimethyl phthalate	ND	4.8	1.9	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	4.8	2.4	ug/l	
206-44-0	Fluoranthene	ND	4.8	0.96	ug/l	
86-73-7	Fluorene	ND	4.8	0.96	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.96	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.8	1.9	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	4.8	1.9	ug/l	
67-72-1	Hexachloroethane	ND	4.8	4.8	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	4.8	1.9	ug/l	
78-59-1	Isophorone	ND	4.8	0.96	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.96	ug/l	
88-74-4	2-Nitroaniline	ND	9.6	3.8	ug/l	
99-09-2	3-Nitroaniline	ND	9.6	3.8	ug/l	
100-01-6	4-Nitroaniline	ND	9.6	3.8	ug/l	
91-20-3	Naphthalene	ND	4.8	0.96	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.96	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	4.8	1.9	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	4.8	1.9	ug/l	
85-01-8	Phenanthrene	ND	4.8	0.96	ug/l	
129-00-0	Pyrene	ND	4.8	0.96	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	4.8	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		19-90%
4165-62-2	Phenol-d5	21%		10-68%
118-79-6	2,4,6-Tribromophenol	77%		36-137%

ND = Not detected MDL - Method Detection Limit

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E = Indicates 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-TRTE-N001	
Lab Sample ID: F32337-5	Date Sampled: 06/06/05
Matrix: AQ - Ground Water	Date Received: 06/06/05
Method: EPA 625 EPA 625	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		49-119%
321-60-8	2-Fluorobiphenyl	65%		45-118%
1718-51-0	Terphenyl-d14	66%		46-135%

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

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

Report of Analysis

Client Sample ID: PIN20-TRTE-N001	Date Sampled: 06/06/05
Lab Sample ID: F32337-5	Date Received: 06/06/05
Matrix: AQ - Ground Water	Percent Solids: n/a
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center	

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Iron	7320	300	7.5	ug/l	1	06/08/05	06/09/05 RS	SW846 6010B ¹	SW846 3010A ²

(1) Instrument QC Batch: MA4379

(2) Prep QC Batch: MP8120

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F32337-5	Date Sampled:	06/06/05
Matrix:	AQ - Ground Water	Date Received:	06/06/05
		Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	939	4.0	mg/l	1	06/14/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
F32337

CLIENT INFORMATION		FACILITY INFORMATION				ANALYTICAL INFORMATION				MATRIX CODES
NAME: S.M. Stoiler ADDRESS: 7887 Bryan Dairy Rd, Suite 260 CITY: Largo FL STATE: FL ZIP: 33777 SEND REPORT TO: PHONE #: PROJECT NO.:		PROJECT NAME: STAR Center - Monthly Sampling LOCATION: 4.5 Acre Site PROJECT NO.: 7030-226 FACILITY ADDRESS:				VOCs - 8280 VOCs - 624 SVOCs - 625 Fe + Hardness				DW - DRINKING WATER GW - GROUND WATER WW - WASTE WATER SO - SOIL SL - SLUDGE OI - OIL LIQ - OTHER LIQUID SOL - OTHER SOLID
ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION			PRESERVATION				LAB USE ONLY	
		DATE	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	NO. 1	NO. 2		NO. 3
1	PIN20-RW01-N001	6-6-05	1113	JPC	GW	3	3			3
2	PIN20-RW02-N001		1117			3	3			3
3	PIN20-RW03-N001		1121			3	3			3
4	PIN20-TRTI-N001		1124			4	3	1		3
5	PIN20-TRTE-N001		1127			6	3	1	2	3 2 1

DATA TURNAROUND INFORMATION		DATA DELIVERABLE INFORMATION		COMMENTS/REMARKS	
<input checked="" type="checkbox"/> STANDARD <input type="checkbox"/> 48 HOUR RUSH <input type="checkbox"/> 24 HOUR EMERGENCY <input type="checkbox"/> OTHER	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: 1. <i>[Signature]</i>	DATE TIME: 6-6-05 1410	RECEIVED BY: 1. <i>[Signature]</i>	DATE TIME: 6-6-05 2110	RELINQUISHED BY: 2. <i>[Signature]</i>	RECEIVED BY: 2. <i>[Signature]</i>
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	DATE TIME:	RELINQUISHED BY: 4.	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	DATE TIME:	SEAL #	PRESERVE WHERE APPLICABLE: <input type="checkbox"/> ON ICE: <input type="checkbox"/> TEMPERATURE: 21 C

4.1
4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F32337 CLIENT: S.M. Stoller PROJECT: Star Center
DATE/TIME RECEIVED: 6/6/05 17:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 26
METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SOIL INFORMATION

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

SUMMARY OF COMMENTS: _____

SAMPLE INFORMATION

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

TECHNICIAN SIGNATURE/DATE CP 6/6/05 TECHNICIAN SIGNATURE/DATE _____

ASBD02/04/05