Southeast ACCUTEST Laboratories

01/06/06

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7031-226

Accutest Job Number: F35494

Sampling Date: 10/04/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

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

ACCREDITED IN ACCORDANCE WITH nelac

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: F35494-1: PIN20-TRTE-N002*4.5 ACRE SITE 5
Section 4: Misc. Forms **6**
4.1: Chain of Custody 7
Section 5: GC/MS Volatiles - QC Data Summaries **9**
5.1: Method Blank Summary 10
5.2: Blank Spike Summary 11
5.3: Matrix Spike/Matrix Spike Duplicate Summary 12

Sample Summary

S M Stoller

Job No: F35494

Pinellas Environmental Restoration Project - 4.5 Acre Site
Project No: 7031-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F35494-1	10/04/05	15:18	JPC	10/05/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F35494

Site: Pinellas Environmental Restoration Project - 4.5 Acre Site **Report Date** 10/17/2005

1 Samples were collected on 10/04/2005 and were received at Accutest on 10/05/2005 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of F35494.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:** VJ763

All method blanks for this batch meet method specific criteria.

Samples F35491-7MS, F35491-7MSD were used as the QC samples indicated.

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 QualityObjectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: October 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:	F35494-1	**Date Sampled:**	10/04/05
Matrix:	AQ - Ground Water	**Date Received:**	10/05/05
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]	J018481.D	1	10/13/05	MM	n/a	n/a	VJ763
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	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	106%		86-115%
17060-07-0	1,2-Dichloroethane-D4	118%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	115%		83-119%

(a) Sample collected on 10/04/05 at 15:18.

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST JOB #: F35494
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: S.M. Stoller
ADDRESS: 7887 Bryan Dairy Rd, Suite 260
CITY: Largo STATE: FL ZIP: 33777
SEND REPORT TO:
PHONE #:

FACILITY INFORMATION

PROJECT NAME: STAR Center - Monthly effluent sample
LOCATION: 4.5 Acre Site
PROJECT NO.: 7031-226
FAX #:

ANALYTICAL INFORMATION

BTEX, Total VOAs (by 624)

MATRIX CODES

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 DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX, Total VOAs (by 624)	LAB USE ONLY
1	PIN20-TRTE-N002 * 4.5 Acre Site	10-4-05	1518	JPC	GW	3	3					3	

DATA TURNAROUND INFORMATION

- ☑ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☐ OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☑ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

Benzene, Xylenes, Toluene, Total VOAs, Ethylbenzene

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. JPC	10-5-05 / 1605	1. Stephen C. Bay	2. Stephen C. Bay	10/5/05 17:30	2. Steve Crann
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3. 10-5-05 16:05	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 4 °C

F35494: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F35494 CLIENT: S.M. Stoller PROJECT: Star Center

DATE/TIME RECEIVED: 10-5-05/17:30 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.6

METHOD OF DELIVERY: FEDEX UPS ~~ACCUTEST COURIER~~ GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE Diane Cocron/10-5-05 TECHNICIAN SIGNATURE/DATE ASBD

ASBD06/22/05

4.1

4

F35494: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F35494
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ763-MB	J018472.D	1	10/12/05	MM	n/a	n/a	VJ763

The QC reported here applies to the following samples: **Method:** EPA 624

F35494-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	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		Limits
1868-53-7	Dibromofluoromethane	105%	86-115%
17060-07-0	1,2-Dichloroethane-D4	115%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	113%	83-119%

Blank Spike Summary

Job Number: F35494
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VJ763-BS	J018471.D	1	10/12/05	MM	n/a	n/a	VJ763

The QC reported here applies to the following samples: **Method:** EPA 624

F35494-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	28.2	113	80-120
100-41-4	Ethylbenzene	25	25.9	104	82-115
108-88-3	Toluene	25	24.6	98	81-114
	m,p-Xylene	50	52.9	106	83-118
95-47-6	o-Xylene	25	25.2	101	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	120%	73-126%
2037-26-5	Toluene-D8	95%	86-112%
460-00-4	4-Bromofluorobenzene	104%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F35494
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F35491-7MS	J018475.D	1	10/12/05	MM	n/a	n/a	VJ763
F35491-7MSD	J018476.D	1	10/13/05	MM	n/a	n/a	VJ763
F35491-7	J018474.D	1	10/12/05	MM	n/a	n/a	VJ763

The QC reported here applies to the following samples: **Method:** EPA 624

F35494-1

CAS No.	Compound	F35491-7 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	27.1	108	26.2	105	3	72-125/7
100-41-4	Ethylbenzene	ND		25	23.0	92	22.5	90	2	73-119/8
108-88-3	Toluene	ND		25	23.2	93	22.6	90	3	67-123/8
	m,p-Xylene	ND		50	46.3	93	45.2	90	2	74-123/7
95-47-6	o-Xylene	ND		25	23.1	92	22.5	90	3	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F35491-7	Limits
1868-53-7	Dibromofluoromethane	103%	102%	106%	86-115%
17060-07-0	1,2-Dichloroethane-D4	119%	116%	115%	73-126%
2037-26-5	Toluene-D8	95%	96%	100%	86-112%
460-00-4	4-Bromofluorobenzene	106%	106%	113%	83-119%

Southeast ACCUTEST Laboratories

01/06/06

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7031-226

Accutest Job Number: F36368

Sampling Date: 11/03/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

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

ACCREDITED IN ACCORDANCE WITH nelac

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: F36368-1: PIN20-TRTE-NOO2*4.5 ACRE SITE 5
Section 4: Misc. Forms **6**
4.1: Chain of Custody 7
Section 5: GC/MS Volatiles - QC Data Summaries **9**
5.1: Method Blank Summary 10
5.2: Blank Spike Summary 11
5.3: Matrix Spike/Matrix Spike Duplicate Summary 12

Accutest LabLink@44525 14:36 06-Jan-2006

Sample Summary

S M Stoller

Job No: F36368

Pinellas Environmental Restoration Project - 4.5 Acre Site
Project No: 7031-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F36368-1	11/03/05	10:52	JPC	11/04/05	AQ	Ground Water	PIN20-TRTE-NOO2*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F36368

Site: Pinellas Environmental Restoration Project - 4.5 Acre Site **Report Date** 11/17/2005

1 Sample was collected on 11/03/2005 and were received at Accutest on 11/04/2005
properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F36368.

Volatiles by GCMS By Method EPA 624

Matrix: AQ **Batch ID:** VC1491

All method blanks for this batch meet method specific criteria.

Samples F36371-3MS, F36371-3MSD were used as the QC samples indicated.

F36368-1: 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 QualityObjectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Date: November 21, 2005

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-NOO2*4.5 ACRE SITE		
Lab Sample ID:	F36368-1	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
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]	C0036705.D	1	11/10/05	KW	n/a	n/a	VC1491
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	111%		86-115%
17060-07-0	1,2-Dichloroethane-D4	114%		73-126%
2037-26-5	Toluene-D8	89%		86-112%
460-00-4	4-Bromofluorobenzene	111%		83-119%

(a) Sample collected on 11/03/05 at 10:52.
(b) Sample was treated with an anti-foaming agent.

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: F36368

CLIENT INFORMATION

NAME: S. M. Stoller
ADDRESS: 7887 Bryan Dairy Rd, Suite 260
CITY: Largo STATE: FL ZIP: 33777
SEND REPORT TO:
PHONE #:

FACILITY INFORMATION

PROJECT NAME: STAR Center - Monthly effluent sample 4.5 Acre Site
LOCATION: 7031-226
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

BTEX, Total VOAs (by 624)

MATRIX CODES

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 DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX, Total VOAs (by 624)	LAB USE ONLY
(1)	PIN20-TRTE-N002 * 4.5 Acre Site	11-3-05	1052	JPC	GW	3	3					3	

DATA TURNAROUND INFORMATION

- [x] STANDARD
- [ ] 48 HOUR RUSH
- [ ] 24 HOUR EMERGENCY
- [ ] OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- [x] STANDARD
- [ ] COMMERCIAL "B"
- [ ] DISK DELIVERABLE
- [ ] STATE FORMS
- [ ] OTHER (SPECIFY)

COMMENTS/REMARKS

Benzene, Xylenes, Toluene, Total VOAs, Ethylbenzene

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. J. P. Clem	11-3-05	1. Luis Accutest 11/4/05	2. Luis Accutest	11/4/05	2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C

4.1
4

F36368: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F36368 CLIENT: SM Stoller PROJECT: Star Center

DATE/TIME RECEIVED: 11/4/05 18:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2 C

METHOD OF DELIVERY: FEDEX UPS (ACCUTEST COURIER) GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

- [x] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 11/4/05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1

4

F36368: Chain of Custody
Page 2 of 2

ACCUTEST Laboratories F36368

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F36368
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1491-MB	C0036704.D	1	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36368-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	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		Limits
1868-53-7	Dibromofluoromethane	113%	86-115%
17060-07-0	1,2-Dichloroethane-D4	119%	73-126%
2037-26-5	Toluene-D8	87%	86-112%
460-00-4	4-Bromofluorobenzene	106%	83-119%

Blank Spike Summary

Job Number: F36368
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1491-BS	C0036703.D	1	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36368-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	28.3	113	80-120
100-41-4	Ethylbenzene	25	23.7	95	82-115
108-88-3	Toluene	25	23.7	95	81-114
	m,p-Xylene	50	48.9	98	83-118
95-47-6	o-Xylene	25	24.6	98	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	86-115%
17060-07-0	1,2-Dichloroethane-D4	125%	73-126%
2037-26-5	Toluene-D8	86%	86-112%
460-00-4	4-Bromofluorobenzene	87%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F36368
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F36371-3MS	C0036708.D	20	11/10/05	KW	n/a	n/a	VC1491
F36371-3MSD	C0036709.D	20	11/10/05	KW	n/a	n/a	VC1491
F36371-3	C0036707.D	20	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36368-1

CAS No.	Compound	F36371-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	541	108	535	107	1	72-125/7
100-41-4	Ethylbenzene	ND		500	460	92	446	89	3	73-119/8
108-88-3	Toluene	ND		500	470	94	454	91	3	67-123/8
	m,p-Xylene	ND		1000	951	95	914	91	4	74-123/7
95-47-6	o-Xylene	ND		500	483	97	473	95	2	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F36371-3	Limits
1868-53-7	Dibromofluoromethane	109%	110%	110%	86-115%
17060-07-0	1,2-Dichloroethane-D4	119%	121%	115%	73-126%
2037-26-5	Toluene-D8	88%	86%	92%	86-112%
460-00-4	4-Bromofluorobenzene	85%	85%	103%	83-119%

Southeast ACCUTEST Laboratories

01/06/06

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

7031-226

Accutest Job Number: F36372

Sampling Date: 11/03/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **53**

ACCREDITED IN ACCORDANCE WITH nelac

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: F36372-1: PIN20-RW01-N001 5
3.2: F36372-2: PIN20-RW02-N001 7
3.3: F36372-3: PIN20-RW03-N001 9
3.4: F36372-4: PIN20-TRTI-N001 11
3.5: F36372-5: PIN20-TRTE-N001 15
Section 4: Misc. Forms **22**
4.1: Chain of Custody 23
Section 5: GC/MS Volatiles - QC Data Summaries **25**
5.1: Method Blank Summary 26
5.2: Blank Spike Summary 30
5.3: Blank Spike/Blank Spike Duplicate Summary 32
5.4: Matrix Spike/Matrix Spike Duplicate Summary 34
5.5: Matrix Spike Summary 36
Section 6: GC/MS Semi-volatiles - QC Data Summaries **38**
6.1: Method Blank Summary 39
6.2: Blank Spike Summary 42
6.3: Matrix Spike/Matrix Spike Duplicate Summary 45
Section 7: Metals Analysis - QC Data Summaries **48**
7.1: Prep QC MP8904: Fe 49

Accutest LabLink@44525 14:38 06-Jan-2006

Sample Summary

S M Stoller

Job No: F36372

Pinellas Environmental Restoration Project - Young- Rainey Star Center
Project No: 7031-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F36372-1	11/03/05	11:08	JPC	11/04/05	AQ	Ground Water	PIN20-RW01-N001
F36372-2	11/03/05	11:04	JPC	11/04/05	AQ	Ground Water	PIN20-RW02-N001
F36372-3	11/03/05	11:01	JPC	11/04/05	AQ	Ground Water	PIN20-RW03-N001
F36372-4	11/03/05	10:47	JPC	11/04/05	AQ	Ground Water	PIN20-TRTI-N001
F36372-5	11/03/05	10:50	JPC	11/04/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F36372

Site: Pinellas Environmental Restoration Project - Young- Rainey Star **Report Date** 11/23/2005

5 Samples were collected on 11/03/2005 and were received at Accutest on 11/04/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F36372.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:** VC1491

Samples F36371-3MS, F36371-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoveries for 1,1-Dichloroethane, 1,2-Dichloroethane, Dichlorodifluoromethane, Trichloroethylene are above control limits. Associated samples are non-detect for these compounds.

F36372-4: Sample was treated with an anti-foaming agent.

F36372-5: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VC1499

All method blanks for this batch meet method specific criteria.

Samples F36359-1MS were used as the QC samples indicated.

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

F36372-3: Sample was treated with an anti-foaming agent.

F36372-2: Sample was treated with an anti-foaming agent.

F36372-1: Sample was treated with an anti-foaming agent.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP14930

Samples F36233-4MS, F36233-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP8904

All method blanks for this batch meet method specific criteria.

Samples F36397-1DUP, F36397-1MS, F36397-1MSD, F36397-1SDL 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 QualityObjectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.
Narrative prepared by:

Date: November 27, 2005

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F36372-1	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0036897.D	1	11/17/05	KW	n/a	n/a	VC1499
Run #2							

	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	0.93	1.0	0.50	ug/l	J
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	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	0.40	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:	F36372-1	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
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	0.50	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	106%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	115%		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:	F36372-2	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0036898.D	1	11/17/05	KW	n/a	n/a	VC1499
Run #2							

	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	0.40	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:	F36372-2	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	1.8	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	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	103%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	114%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F36372-3	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0036899.D	1	11/17/05	KW	n/a	n/a	VC1499
Run #2							

	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	13.3	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.5	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	0.40	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:	F36372-3	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	23.2	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	105%		86-115%
17060-07-0	1,2-Dichloroethane-D4	104%		73-126%
2037-26-5	Toluene-D8	98%		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-TRTI-N001		
Lab Sample ID:	F36372-4	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0036712.D	1	11/11/05	KW	n/a	n/a	VC1491
Run #2							

	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	0.56	1.0	0.50	ug/l	J
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.9	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	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	0.40	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:	F36372-4	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	2.3	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	113%		86-115%
17060-07-0	1,2-Dichloroethane-D4	119%		73-126%
2037-26-5	Toluene-D8	91%		86-112%
460-00-4	4-Bromofluorobenzene	114%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F36372-4	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
		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	9150	300	7.5	ug/l	1	11/14/05	11/15/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4669
(2) Prep QC Batch: MP8904

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:	F36372-4	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
		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	941	4.0	mg/l	1	11/16/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F36372-5	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0036713.D	1	11/11/05	KW	n/a	n/a	VC1491
Run #2							

	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	0.40	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:	F36372-5	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
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	0.50	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	113%		86-115%
17060-07-0	1,2-Dichloroethane-D4	117%		73-126%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	113%		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:	F36372-5	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L028617.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495
Run #2							

	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		
Lab Sample ID:	F36372-5	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
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	32%		19-90%
4165-62-2	Phenol-d5	20%		10-68%
118-79-6	2,4,6-Tribromophenol	77%		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:	F36372-5	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
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	63%		49-119%
321-60-8	2-Fluorobiphenyl	66%		45-118%
1718-51-0	Terphenyl-d14	64%		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:	F36372-5	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
		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	9160	300	7.5	ug/l	1	11/14/05	11/15/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4669
(2) Prep QC Batch: MP8904

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:	F36372-5	**Date Sampled:**	11/03/05
Matrix:	AQ - Ground Water	**Date Received:**	11/04/05
		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	942	4.0	mg/l	1	11/16/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST SOB #: F36372
ACCUTEST QUOTE #:

CLIENT INFORMATION

NAME: S. M. Stoller
ADDRESS: 7887 Bryan Dairy Rd, Suite 260
CITY: Largo STATE: FL ZIP: 33777
SEND REPORT TO:
PHONE #:

FACILITY INFORMATION

PROJECT NAME: STAR Center - Monthly sampling
LOCATION: 4.5 Acre Site
PROJECT NO.: 7031-226
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

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 DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	VOCs - 624	SVOCs - 625	VOCs - 8260	Fe + Hardness	LAB USE ONLY
8	PIN20-RW01-N001	11-3-05	1108	JPC	GW	3	3						3		
9	PIN20-RW02-N001	↓	1104	↓	↓	3	3						3		
10	PIN20-RW03-N001		1101			3	3						3		
4	PIN20-TRTI-N001		1047			4	3	1			3			1	
5	PIN20-TRTE-N001	↓	1050	↓	↓	6	3	1		2	3	2		1	

DATA TURNAROUND INFORMATION

- ☑ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☐ OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☑ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1.	11-3-05	1. Lois Accutest 11/4/05	2. Lois Accutest	11/4/05	2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE ____ C

4.1
4

F36372: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F36372 CLIENT: S.M. Stoller PROJECT: Stare Center -

DATE/TIME RECEIVED: 11/4/05 18:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2 C

METHOD OF DELIVERY: FEDEX UPS (ACCUTEST COURIER) GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

- [x] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE CP 11/4/05 TECHNICIAN SIGNATURE/DATE

ASRD06/22/05

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F36372: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1491-MB	C0036704.D	1	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36372-4, F36372-5

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	0.40	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	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	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	

Method Blank Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1491-MB	C0036704.D	1	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36372-4, F36372-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	113%	86-115%
17060-07-0	1,2-Dichloroethane-D4	119%	73-126%
2037-26-5	Toluene-D8	87%	86-112%
460-00-4	4-Bromofluorobenzene	106%	83-119%

Method Blank Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1499-MB	C0036884.D	1	11/17/05	KW	n/a	n/a	VC1499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F36372-1, F36372-2, F36372-3

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	0.40	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	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	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	

Method Blank Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1499-MB	C0036884.D	1	11/17/05	KW	n/a	n/a	VC1499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F36372-1, F36372-2, F36372-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	93%	73-126%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	102%	83-119%

Blank Spike Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1491-BS	C0036703.D	1	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36372-4, F36372-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	28.3	113	80-120
75-27-4	Bromodichloromethane	25	29.3	117	75-120
75-25-2	Bromoform	25	22.0	88	60-129
108-90-7	Chlorobenzene	25	23.3	93	82-112
75-00-3	Chloroethane	25	25.7	103	67-148
67-66-3	Chloroform	25	27.9	112	78-118
110-75-8	2-Chloroethyl vinyl ether	125	124	99	23-132
56-23-5	Carbon tetrachloride	25	30.4	122	69-137
75-34-3	1,1-Dichloroethane	25	29.9	120*	75-117
75-35-4	1,1-Dichloroethylene	25	29.9	120	67-134
107-06-2	1,2-Dichloroethane	25	31.0	124*	68-121
78-87-5	1,2-Dichloropropane	25	25.4	102	78-122
124-48-1	Dibromochloromethane	25	23.8	95	68-118
75-71-8	Dichlorodifluoromethane	25	47.5	190*	43-173
156-59-2	cis-1,2-Dichloroethylene	25	26.4	106	81-120
10061-01-5	cis-1,3-Dichloropropene	25	26.4	106	73-115
541-73-1	m-Dichlorobenzene	25	25.6	102	78-116
95-50-1	o-Dichlorobenzene	25	24.3	97	77-115
106-46-7	p-Dichlorobenzene	25	26.0	104	77-113
156-60-5	trans-1,2-Dichloroethylene	25	28.4	114	74-125
10061-02-6	trans-1,3-Dichloropropene	25	22.8	91	69-115
100-41-4	Ethylbenzene	25	23.7	95	82-115
74-83-9	Methyl bromide	25	23.6	94	60-165
74-87-3	Methyl chloride	25	31.5	126	58-152
75-09-2	Methylene chloride	25	31.3	125	66-125
1634-04-4	Methyl Tert Butyl Ether	25	26.8	107	67-127
71-55-6	1,1,1-Trichloroethane	25	29.4	118	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	17.0	68	67-119
79-00-5	1,1,2-Trichloroethane	25	20.8	83	74-115
127-18-4	Tetrachloroethylene	25	25.8	103	75-126
108-88-3	Toluene	25	23.7	95	81-114
79-01-6	Trichloroethylene	25	30.3	121*	80-115
75-69-4	Trichlorofluoromethane	25	35.6	142	65-163
75-01-4	Vinyl chloride	25	24.7	99	70-151
	m,p-Xylene	50	48.9	98	83-118
95-47-6	o-Xylene	25	24.6	98	77-119

Blank Spike Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1491-BS	C0036703.D	1	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36372-4, F36372-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	109%	86-115%
17060-07-0	1,2-Dichloroethane-D4	125%	73-126%
2037-26-5	Toluene-D8	86%	86-112%
460-00-4	4-Bromofluorobenzene	87%	83-119%

Blank Spike/Blank Spike Duplicate Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1499-BS	C0036883.D	1	11/17/05	KW	n/a	n/a	VC1499
VC1499-BSD	C0036907.D	1	11/17/05	KW	n/a	n/a	VC1499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F36372-1, F36372-2, F36372-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	BSD ug/l	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	25	27.4	110	27.0	108	1	80-120/30
75-27-4	Bromodichloromethane	25	22.5	90	22.4	90	0	75-120/30
75-25-2	Bromoform	25	19.9	80	16.8	67	17	60-129/30
108-90-7	Chlorobenzene	25	25.9	104	26.5	106	2	82-112/30
75-00-3	Chloroethane	25	26.1	104	20.8	83	23	67-148/30
67-66-3	Chloroform	25	22.1	88	22.8	91	3	78-118/30
110-75-8	2-Chloroethyl vinyl ether	125	189	151*	192	154*	2	23-132/30
56-23-5	Carbon tetrachloride	25	21.7	87	21.2	85	2	69-137/30
75-34-3	1,1-Dichloroethane	25	23.4	94	23.6	94	1	75-117/30
75-35-4	1,1-Dichloroethylene	25	21.2	85	21.8	87	3	67-134/30
107-06-2	1,2-Dichloroethane	25	21.2	85	22.7	91	7	68-121/30
78-87-5	1,2-Dichloropropane	25	22.6	90	23.7	95	5	78-122/30
124-48-1	Dibromochloromethane	25	21.0	84	20.3	81	3	68-118/30
75-71-8	Dichlorodifluoromethane	25	22.2	89	22.2	89	0	43-173/30
156-59-2	cis-1,2-Dichloroethylene	25	23.4	94	22.7	91	3	81-120/30
10061-01-5	cis-1,3-Dichloropropene	25	22.8	91	20.1	80	13	73-115/30
541-73-1	m-Dichlorobenzene	25	25.3	101	25.0	100	1	78-116/30
95-50-1	o-Dichlorobenzene	25	24.7	99	24.9	100	1	77-115/30
106-46-7	p-Dichlorobenzene	25	24.7	99	24.2	97	2	77-113/30
156-60-5	trans-1,2-Dichloroethylene	25	22.3	89	22.6	90	1	74-125/30
10061-02-6	trans-1,3-Dichloropropene	25	24.2	97	21.1	84	14	69-115/30
100-41-4	Ethylbenzene	25	23.6	94	24.1	96	2	82-115/30
74-83-9	Methyl bromide	25	25.5	102	20.1	80	24	60-165/30
74-87-3	Methyl chloride	25	23.2	93	21.9	88	6	58-152/30
75-09-2	Methylene chloride	25	22.8	91	24.2	97	6	66-125/30
1634-04-4	Methyl Tert Butyl Ether	25	25.0	100	26.5	106	6	67-127/30
71-55-6	1,1,1-Trichloroethane	25	22.2	89	23.2	93	4	78-132/30
79-34-5	1,1,2,2-Tetrachloroethane	25	21.9	88	21.2	85	3	67-119/30
79-00-5	1,1,2-Trichloroethane	25	23.5	94	25.0	100	6	74-115/30
127-18-4	Tetrachloroethylene	25	25.2	101	28.1	112	11	75-126/30
108-88-3	Toluene	25	26.0	104	26.5	106	2	81-114/30
79-01-6	Trichloroethylene	25	24.4	98	26.1	104	7	80-115/30
75-69-4	Trichlorofluoromethane	25	24.3	97	20.6	82	16	65-163/30
75-01-4	Vinyl chloride	25	25.1	100	22.2	89	12	70-151/30
	m,p-Xylene	50	47.8	96	49.2	98	3	83-118/30
95-47-6	o-Xylene	25	24.0	96	24.7	99	3	77-119/30

Blank Spike/Blank Spike Duplicate Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1499-BS	C0036883.D	1	11/17/05	KW	n/a	n/a	VC1499
VC1499-BSD	C0036907.D	1	11/17/05	KW	n/a	n/a	VC1499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F36372-1, F36372-2, F36372-3

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
1868-53-7	Dibromofluoromethane	98%	99%	86-115%
17060-07-0	1,2-Dichloroethane-D4	96%	103%	73-126%
2037-26-5	Toluene-D8	95%	98%	86-112%
460-00-4	4-Bromofluorobenzene	96%	97%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F36371-3MS	C0036708.D	20	11/10/05	KW	n/a	n/a	VC1491
F36371-3MSD	C0036709.D	20	11/10/05	KW	n/a	n/a	VC1491
F36371-3	C0036707.D	20	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36372-4, F36372-5

CAS No.	Compound	F36371-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	541	108	535	107	1	72-125/7
75-27-4	Bromodichloromethane	ND		500	535	107	546	109	2	72-120/8
75-25-2	Bromoform	ND		500	440	88	440	88	0	55-127/11
108-90-7	Chlorobenzene	ND		500	459	92	455	91	1	79-113/7
75-00-3	Chloroethane	ND		500	481	96	497	99	3	56-164/14
67-66-3	Chloroform	ND		500	536	107	534	107	0	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		2500	ND	0*	ND	0*	nc	8-137/18
56-23-5	Carbon tetrachloride	ND		500	574	115	580	116	1	56-145/12
75-34-3	1,1-Dichloroethane	ND		500	571	114	550	110	4	70-122/10
75-35-4	1,1-Dichloroethylene	12.7	J	500	585	114	560	109	4	61-137/15
107-06-2	1,2-Dichloroethane	ND		500	602	120	594	119	1	64-124/7
78-87-5	1,2-Dichloropropane	ND		500	496	99	496	99	0	74-123/8
124-48-1	Dibromochloromethane	ND		500	458	92	452	90	1	63-119/9
75-71-8	Dichlorodifluoromethane	ND		500	779	156	860	172	10	35-184/21
156-59-2	cis-1,2-Dichloroethylene	1150		500	1610	92	1610	92	0	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		500	451	90	469	94	4	65-112/10
541-73-1	m-Dichlorobenzene	ND		500	492	98	483	97	2	74-114/7
95-50-1	o-Dichlorobenzene	ND		500	450	90	452	90	0	73-114/8
106-46-7	p-Dichlorobenzene	ND		500	480	96	472	94	2	74-112/7
156-60-5	trans-1,2-Dichloroethylene	25.6		500	550	105	545	104	1	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		500	446	89	429	86	4	59-116/11
100-41-4	Ethylbenzene	ND		500	460	92	446	89	3	73-119/8
74-83-9	Methyl bromide	ND		500	452	90	485	97	7	52-172/16
74-87-3	Methyl chloride	ND		500	552	110	591	118	7	53-155/19
75-09-2	Methylene chloride	ND		500	566	113	575	115	2	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		500	502	100	511	102	2	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		500	546	109	563	113	3	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	375	75	375	75	0	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		500	426	85	406	81	5	72-116/9
127-18-4	Tetrachloroethylene	ND		500	474	95	478	96	1	70-126/9
108-88-3	Toluene	ND		500	470	94	454	91	3	67-123/8
79-01-6	Trichloroethylene	978		500	1480	100	1470	98	1	73-117/10
75-69-4	Trichlorofluoromethane	ND		500	712	142	691	138	3	52-164/16
75-01-4	Vinyl chloride	124		500	550	85	598	95	8	63-161/18
	m,p-Xylene	ND		1000	951	95	914	91	4	74-123/7
95-47-6	o-Xylene	ND		500	483	97	473	95	2	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F36371-3MS	C0036708.D	20	11/10/05	KW	n/a	n/a	VC1491
F36371-3MSD	C0036709.D	20	11/10/05	KW	n/a	n/a	VC1491
F36371-3	C0036707.D	20	11/10/05	KW	n/a	n/a	VC1491

The QC reported here applies to the following samples: **Method:** EPA 624

F36372-4, F36372-5

CAS No.	Surrogate Recoveries	MS	MSD	F36371-3	Limits
1868-53-7	Dibromofluoromethane	109%	110%	110%	86-115%
17060-07-0	1,2-Dichloroethane-D4	119%	121%	115%	73-126%
2037-26-5	Toluene-D8	88%	86%	92%	86-112%
460-00-4	4-Bromofluorobenzene	85%	85%	103%	83-119%

Matrix Spike Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F36359-1MS	C0036896.D	1	11/17/05	KW	n/a	n/a	VC1499
F36359-1	C0036893.D	1	11/17/05	KW	n/a	n/a	VC1499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F36372-1, F36372-2, F36372-3

CAS No.	Compound	F36359-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	Limits
71-43-2	Benzene	13.9		25	40.7	107	72-125
75-27-4	Bromodichloromethane	1.0 U		25	23.3	93	72-120
75-25-2	Bromoform	1.0 U		25	19.4	78	55-127
108-90-7	Chlorobenzene	1.0 U		25	25.8	103	79-113
75-00-3	Chloroethane	2.0 U		25	26.9	108	56-164
67-66-3	Chloroform	1.0 U		25	23.2	93	75-120
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	8-137
56-23-5	Carbon tetrachloride	1.0 U		25	21.7	87	56-145
75-34-3	1,1-Dichloroethane	1.0 U		25	23.9	96	70-122
75-35-4	1,1-Dichloroethylene	1.0 U		25	21.8	87	61-137
107-06-2	1,2-Dichloroethane	1.0 U		25	24.4	98	64-124
78-87-5	1,2-Dichloropropane	1.0 U		25	22.9	92	74-123
124-48-1	Dibromochloromethane	1.0 U		25	20.3	81	63-119
75-71-8	Dichlorodifluoromethane	1.0 U		25	23.5	94	35-184
156-59-2	cis-1,2-Dichloroethylene	0.62	I	25	23.6	92	74-125
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	20.6	82	65-112
541-73-1	m-Dichlorobenzene	1.0 U		25	24.3	97	74-114
95-50-1	o-Dichlorobenzene	1.0 U		25	24.4	98	73-114
106-46-7	p-Dichlorobenzene	1.0 U		25	23.8	95	74-112
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	22.1	88	70-127
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	21.6	86	59-116
100-41-4	Ethylbenzene	1.0 U		25	23.6	94	73-119
74-83-9	Methyl bromide	2.0 U		25	23.6	94	52-172
74-87-3	Methyl chloride	2.0 U		25	22.5	90	53-155
75-09-2	Methylene chloride	5.0 U		25	24.4	98	61-129
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	24.0	96	61-129
71-55-6	1,1,1-Trichloroethane	1.0 U		25	23.3	93	72-133
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	20.9	84	64-120
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.4	94	72-116
127-18-4	Tetrachloroethylene	1.0 U		25	25.9	104	70-126
108-88-3	Toluene	1.0 U		25	24.6	98	67-123
79-01-6	Trichloroethylene	9.7		25	33.3	94	73-117
75-69-4	Trichlorofluoromethane	2.0 U		25	27.5	110	52-164
75-01-4	Vinyl chloride	1.0 U		25	22.1	88	63-161
	m,p-Xylene	2.0 U		50	48.2	96	74-123
95-47-6	o-Xylene	1.0 U		25	24.2	97	68-123

Matrix Spike Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F36359-1MS	C0036896.D	1	11/17/05	KW	n/a	n/a	VC1499
F36359-1	C0036893.D	1	11/17/05	KW	n/a	n/a	VC1499

The QC reported here applies to the following samples: **Method:** SW846 8260B

F36372-1, F36372-2, F36372-3

CAS No.	Surrogate Recoveries	MS	F36359-1	Limits
1868-53-7	Dibromofluoromethane	102%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	109%	101%	73-126%
2037-26-5	Toluene-D8	94%	99%	86-112%
460-00-4	4-Bromofluorobenzene	90%	103%	83-119%

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-MB	L028611.D	1	11/08/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
86-74-8	Carbazole	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-MB	L028611.D	1	11/08/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	60%	19-90%
4165-62-2	Phenol-d5	43%	10-68%

Method Blank Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-MB	L028611.D	1	11/08/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	86%	36-137%
4165-60-0	Nitrobenzene-d5	84%	49-119%
321-60-8	2-Fluorobiphenyl	84%	45-118%
1718-51-0	Terphenyl-d14	90%	46-135%

Blank Spike Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-BS	L028610.D	1	11/08/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	35.1	35	8-45
95-57-8	2-Chlorophenol	50	43.6	87	62-103
59-50-7	4-Chloro-3-methyl phenol	50	45.7	91	64-103
120-83-2	2,4-Dichlorophenol	50	47.8	96	59-103
105-67-9	2,4-Dimethylphenol	50	34.7	69	43-94
51-28-5	2,4-Dinitrophenol	100	76.2	76	12-125
534-52-1	4,6-Dinitro-o-cresol	100	89.4	89	47-119
95-48-7	2-Methylphenol	50	38.4	77	54-91
	3&4-Methylphenol	100	72.2	72	48-86
88-75-5	2-Nitrophenol	50	46.1	92	64-104
100-02-7	4-Nitrophenol	100	42.9	43	22-50
87-86-5	Pentachlorophenol	100	88.4	88	50-111
108-95-2	Phenol	50	25.1	50	25-53
95-95-4	2,4,5-Trichlorophenol	50	44.2	88	66-104
88-06-2	2,4,6-Trichlorophenol	50	45.6	91	60-103
83-32-9	Acenaphthene	50	44.9	90	62-101
208-96-8	Acenaphthylene	50	42.6	85	65-113
120-12-7	Anthracene	50	46.3	93	69-107
56-55-3	Benzo(a)anthracene	50	46.2	92	68-106
50-32-8	Benzo(a)pyrene	50	46.1	92	70-114
205-99-2	Benzo(b)fluoranthene	50	48.8	98	68-110
191-24-2	Benzo(g,h,i)perylene	50	46.0	92	63-115
207-08-9	Benzo(k)fluoranthene	50	47.6	95	68-112
101-55-3	4-Bromophenyl phenyl ether	50	49.3	99	73-103
85-68-7	Butyl benzyl phthalate	50	50.1	100	69-108
100-51-6	Benzyl Alcohol	50	39.9	80	34-104
91-58-7	2-Chloronaphthalene	50	42.6	85	64-102
106-47-8	4-Chloroaniline	50	44.5	89	57-104
86-74-8	Carbazole	50	45.2	90	69-113
218-01-9	Chrysene	50	46.8	94	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	44.9	90	57-103
111-44-4	bis(2-Chloroethyl)ether	50	46.9	94	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	45.9	92	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	47.9	96	71-104
95-50-1	1,2-Dichlorobenzene	50	42.4	85	62-100
541-73-1	1,3-Dichlorobenzene	50	39.5	79	59-99

Blank Spike Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-BS	L028610.D	1	11/08/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	40.4	81	60-101
121-14-2	2,4-Dinitrotoluene	50	42.8	86	65-111
606-20-2	2,6-Dinitrotoluene	50	42.6	85	77-111
91-94-1	3,3'-Dichlorobenzidine	50	42.4	85	42-110
53-70-3	Dibenzo(a,h)anthracene	50	44.7	89	62-115
132-64-9	Dibenzofuran	50	45.1	90	69-104
84-74-2	Di-n-butyl phthalate	50	48.0	96	68-109
117-84-0	Di-n-octyl phthalate	50	53.5	107	63-120
84-66-2	Diethyl phthalate	50	48.5	97	64-110
131-11-3	Dimethyl phthalate	50	47.5	95	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	49.6	99	64-115
206-44-0	Fluoranthene	50	45.1	90	68-111
86-73-7	Fluorene	50	44.3	89	66-105
118-74-1	Hexachlorobenzene	50	46.0	92	69-103
87-68-3	Hexachlorobutadiene	50	44.0	88	55-90
77-47-4	Hexachlorocyclopentadiene	50	17.0	34	26-95
67-72-1	Hexachloroethane	50	40.8	82	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	46.5	93	63-118
78-59-1	Isophorone	50	45.6	91	64-107
91-57-6	2-Methylnaphthalene	50	45.5	91	66-100
88-74-4	2-Nitroaniline	50	44.0	88	65-111
99-09-2	3-Nitroaniline	50	40.8	82	61-106
100-01-6	4-Nitroaniline	50	42.4	85	60-113
91-20-3	Naphthalene	50	42.2	84	62-101
98-95-3	Nitrobenzene	50	44.8	90	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	44.3	89	64-109
86-30-6	N-Nitrosodiphenylamine	50	44.6	89	69-114
85-01-8	Phenanthrene	50	46.0	92	68-104
129-00-0	Pyrene	50	49.7	99	64-105
120-82-1	1,2,4-Trichlorobenzene	50	43.5	87	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	64%	19-90%
4165-62-2	Phenol-d5	44%	10-68%

Blank Spike Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-BS	L028610.D	1	11/08/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	88%	36-137%
4165-60-0	Nitrobenzene-d5	89%	49-119%
321-60-8	2-Fluorobiphenyl	90%	45-118%
1718-51-0	Terphenyl-d14	95%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-MS	L028614.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495
OP14930-MSD	L028615.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495
F36233-4	L028613.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Compound	F36233-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	24 U		192	81.6	42	90.0	47	10	16-73/41
95-57-8	2-Chlorophenol	4.8 U		96.2	80.4	84	81.5	85	1	53-102/24
59-50-7	4-Chloro-3-methyl phenol	4.8 U		96.2	87.2	91	86.2	90	1	60-101/18
120-83-2	2,4-Dichlorophenol	4.8 U		96.2	88.4	92	88.0	92	0	55-100/24
105-67-9	2,4-Dimethylphenol	4.8 U		96.2	67.7	70	68.6	71	1	36-98/26
51-28-5	2,4-Dinitrophenol	24 U		192	138	72	146	76	6	14-135/39
534-52-1	4,6-Dinitro-o-cresol	9.6 U		192	169	88	170	88	1	40-127/24
95-48-7	2-Methylphenol	4.8 U		96.2	70.8	74	75.5	79	6	46-100/23
	3&4-Methylphenol	4.8 U		192	139	72	147	76	6	43-100/23
88-75-5	2-Nitrophenol	4.8 U		96.2	85.3	89	83.9	87	2	53-104/25
100-02-7	4-Nitrophenol	24 U		192	93.7	49	98.2	51	5	32-81/28
87-86-5	Pentachlorophenol	24 U		192	167	87	169	88	1	44-118/16
108-95-2	Phenol	4.8 U		96.2	49.9	52	55.6	58	11	31-77/26
95-95-4	2,4,5-Trichlorophenol	4.8 U		96.2	82.9	86	83.1	86	0	61-102/18
88-06-2	2,4,6-Trichlorophenol	4.8 U		96.2	85.8	89	86.2	90	0	55-103/21
83-32-9	Acenaphthene	4.8 U		96.2	88.2	92	86.3	90	2	55-103/20
208-96-8	Acenaphthylene	4.8 U		96.2	82.1	85	82.6	86	1	55-113/20
120-12-7	Anthracene	4.8 U		96.2	87.8	91	87.7	91	0	66-105/14
56-55-3	Benzo(a)anthracene	4.8 U		96.2	89.0	93	89.2	93	0	65-103/16
50-32-8	Benzo(a)pyrene	4.8 U		96.2	86.8	90	88.8	92	2	65-113/16
205-99-2	Benzo(b)fluoranthene	4.8 U		96.2	89.0	93	93.4	97	5	62-110/17
191-24-2	Benzo(g,h,i)perylene	4.8 U		96.2	86.7	90	90.4	94	4	58-111/17
207-08-9	Benzo(k)fluoranthene	4.8 U		96.2	90.9	95	94.5	98	4	63-110/17
101-55-3	4-Bromophenyl phenyl ether	4.8 U		96.2	93.0	97	94.9	99	2	68-102/16
85-68-7	Butyl benzyl phthalate	4.8 U		96.2	93.8	98	95.3	99	2	65-108/17
100-51-6	Benzyl Alcohol	4.8 U		96.2	79.4	83	81.4	85	2	48-106/24
91-58-7	2-Chloronaphthalene	4.8 U		96.2	83.5	87	83.4	87	0	58-101/22
106-47-8	4-Chloroaniline	9.6 U		96.2	77.5	81	79.4	83	2	39-101/21
86-74-8	Carbazole	4.8 U		96.2	86.8	90	87.0	90	0	66-109/16
218-01-9	Chrysene	4.8 U		96.2	89.1	93	90.4	94	1	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	4.8 U		96.2	87.2	91	84.4	88	3	49-100/24
111-44-4	bis(2-Chloroethyl)ether	4.8 U		96.2	92.0	96	92.5	96	1	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	4.8 U		96.2	87.1	91	88.2	92	1	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	4.8 U		96.2	94.2	98	93.3	97	1	65-103/18
95-50-1	1,2-Dichlorobenzene	4.8 U		96.2	82.9	86	83.6	87	1	50-101/22
541-73-1	1,3-Dichlorobenzene	4.8 U		96.2	76.6	80	78.7	82	3	50-100/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-MS	L028614.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495
OP14930-MSD	L028615.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495
F36233-4	L028613.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Compound	F36233-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	4.8 U		96.2	78.3	81	80.4	84	3	51-101/23
121-14-2	2,4-Dinitrotoluene	4.8 U		96.2	83.7	87	82.5	86	1	60-110/16
606-20-2	2,6-Dinitrotoluene	4.8 U		96.2	80.9	84	78.6	82	3	60-111/19
91-94-1	3,3'-Dichlorobenzidine	9.6 U		96.2	71.5	74	74.7	78	4	18-112/22
53-70-3	Dibenzo(a,h)anthracene	4.8 U		96.2	84.7	88	88.6	92	5	57-111/20
132-64-9	Dibenzofuran	4.8 U		96.2	88.2	92	87.0	90	1	64-102/17
84-74-2	Di-n-butyl phthalate	4.8 U		96.2	93.1	97	92.9	97	0	63-107/17
117-84-0	Di-n-octyl phthalate	4.8 U		96.2	101	105	99.5	103	1	58-126/23
84-66-2	Diethyl phthalate	4.8 U		96.2	93.1	97	92.7	96	0	59-110/18
131-11-3	Dimethyl phthalate	4.8 U		96.2	92.3	96	90.6	94	2	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	4.8 U		96.2	93.4	97	92.6	96	1	55-120/22
206-44-0	Fluoranthene	4.8 U		96.2	88.2	92	87.7	91	1	62-108/17
86-73-7	Fluorene	4.8 U		96.2	88.2	92	84.4	88	4	60-105/17
118-74-1	Hexachlorobenzene	4.8 U		96.2	87.6	91	89.4	93	2	64-102/16
87-68-3	Hexachlorobutadiene	4.8 U		96.2	84.2	88	86.6	90	3	45-93/26
77-47-4	Hexachlorocyclopentadiene	4.8 U		96.2	35.3	37	36.6	38	4	20-92/34
67-72-1	Hexachloroethane	4.8 U		96.2	77.5	81	80.8	84	4	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	4.8 U		96.2	88.2	92	89.2	93	1	61-111/19
78-59-1	Isophorone	4.8 U		96.2	86.5	90	85.4	89	1	59-103/23
91-57-6	2-Methylnaphthalene	4.8 U		96.2	87.1	91	85.8	89	2	56-100/23
88-74-4	2-Nitroaniline	9.6 U		96.2	84.0	87	83.5	87	1	61-107/18
99-09-2	3-Nitroaniline	9.6 U		96.2	72.6	76	69.8	73	4	47-107/26
100-01-6	4-Nitroaniline	9.6 U		96.2	81.2	84	79.4	83	2	48-119/21
91-20-3	Naphthalene	4.8 U		96.2	81.8	85	81.7	85	0	52-102/23
98-95-3	Nitrobenzene	4.8 U		96.2	87.4	91	85.0	88	3	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	4.8 U		96.2	83.7	87	85.1	89	2	57-103/24
86-30-6	N-Nitrosodiphenylamine	4.8 U		96.2	87.8	91	89.6	93	2	62-112/16
85-01-8	Phenanthrene	4.8 U		96.2	88.7	92	89.5	93	1	64-103/15
129-00-0	Pyrene	4.8 U		96.2	94.1	98	95.2	99	1	59-107/21
120-82-1	1,2,4-Trichlorobenzene	4.8 U		96.2	84.0	87	84.1	87	0	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F36233-4	Limits
367-12-4	2-Fluorophenol	62%	67%	37%	19-90%
4165-62-2	Phenol-d5	46%	51%	23%	10-68%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F36372
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14930-MS	L028614.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495
OP14930-MSD	L028615.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495
F36233-4	L028613.D	1	11/09/05	NJ	11/07/05	OP14930	SL1495

The QC reported here applies to the following samples: **Method:** EPA 625

F36372-5

CAS No.	Surrogate Recoveries	MS	MSD	F36233-4	Limits
118-79-6	2,4,6-Tribromophenol	85%	88%	84%	36-137%
4165-60-0	Nitrobenzene-d5	85%	86%	81%	49-119%
321-60-8	2-Fluorobiphenyl	87%	88%	86%	45-118%
1718-51-0	Terphenyl-d14	91%	92%	88%	46-135%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F36372
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP8904
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/14/05

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6		
Antimony	5.0	1.5		
Arsenic	10	2.8		
Barium	200	.5		
Beryllium	4.0	.3	anr	
Cadmium	5.0	.3	anr	
Calcium	1000	3.8	anr	
Chromium	10	.4	anr	
Cobalt	50	.5		
Copper	25	.4		
Iron	300	7.1	2.8	<300
Lead	5.0	1.2	anr	
Magnesium	5000	9.9		
Manganese	15	.2		
Molybdenum	50	.8		
Nickel	40	1.1		
Potassium	5000	14		
Selenium	10	2		
Silver	10	.6	anr	
Sodium	5000	150		
Thallium	10	1.5		
Tin	50	1.5		
Vanadium	50	.5		
Zinc	20	.6		

Associated samples MP8904: F36372-4, F36372-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F36372
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP8904 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/14/05 11/14/05

Metal	F36397-1 Original	DUP	RPD	QC Limits	F36397-1 Original	MS	Spikelot MPFLICP	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt									
Copper									
Iron	1090	1110	1.8	0-14	1090	27800	27000	98.9	76-125
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver	anr								
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP8904: F36372-4, F36372-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F36372
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP8904 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/14/05

Metal	F36397-1 Original	MSD	Spikelot MPFLICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt						
Copper						
Iron	1090	28000	27000	99.7	0.7	20
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver	anr					
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP8904: F36372-4, F36372-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F36372
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP8904 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 11/14/05

Metal	BSP Result	Spikelot MPFLICP	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt				
Copper				
Iron	27800	27000	103.0	80-120
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver	anr			
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8904: F36372-4, F36372-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F36372
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP8904
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 11/14/05

Metal	F36397-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt				
Copper				
Iron	1090	1040	5.1	0-10
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver	anr			
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8904: F36372-4, F36372-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

Southeast ACCUTEST Laboratories

01/06/06

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7031-226

Accutest Job Number: F37072

Sampling Date: 12/05/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

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

ACCREDITED IN ACCORDANCE WITH nelac

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: F37072-1: PIN20-TRTE-N002*4.5 ACRE SITE 5
Section 4: Misc. Forms **6**
4.1: Chain of Custody 7
Section 5: GC/MS Volatiles - QC Data Summaries **9**
5.1: Method Blank Summary 10
5.2: Blank Spike Summary 11
5.3: Matrix Spike/Matrix Spike Duplicate Summary 12

Accutest LabLink@44525 14:39 06-Jan-2006

Sample Summary

S M Stoller

Job No: F37072

Pinellas Environmental Restoration Project - 4.5 Acre Site
Project No: 7031-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F37072-1	12/05/05	10:12	JPC	12/05/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F37072

Site: Pinellas Environmental Restoration Project - 4.5 Acre Site **Report Date** 12/15/2005

1 Sample was collected on 12/05/2005 and were received at Accutest on 12/05/2005 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F37072.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:** VB1486

All method blanks for this batch meet method specific criteria.

F37072-1: 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 QualityObjectives 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: December 19, 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:	F37072-1	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
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]	B035152.D	1	12/13/05	KW	n/a	n/a	VB1486
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	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	105%		73-126%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	112%		83-119%

(a) Sample collected on 12/05/05 at 10:12.
(b) Sample was treated with an anti-foaming agent.

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

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

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: F37072

CLIENT INFORMATION

NAME: S.M. Stoller
ADDRESS: 7887 Bryan Dairy Rd., Suite 260
CITY, STATE, ZIP: Largo FL 33777
SEND REPORT TO:
PHONE #

FACILITY INFORMATION

PROJECT NAME: STAR Center - Monthly effluent sample 4.5 Acre Site
LOCATION: 7031-226
PROJECT NO.
FAX #

ANALYTICAL INFORMATION

BTEX, Total VOAs (by 624)

MATRIX CODES

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 DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX, Total VOAs (by 624)	LAB USE ONLY
01	PIN20-TRTE-N002 * 4.5 Acre Site	12-5-05	1012	JPC	GW	3	3					3	

DATA TURNAROUND INFORMATION

- ☑ STANDARD
- ☐ 48 HOUR RUSH
- ☐ 24 HOUR EMERGENCY
- ☐ OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

- ☑ STANDARD
- ☐ COMMERCIAL "B"
- ☐ DISK DELIVERABLE
- ☐ STATE FORMS
- ☐ OTHER (SPECIFY)

COMMENTS/REMARKS

Benzene, Xylenes, Toluene, Total VOAs, Ethylbenzene

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. JPC 12-5-05		1. Luis Accutest 12-5-05 2pm	2. Luis Accutest		12/6/05 0600
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2.8 C

F37072: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F37072 CLIENT: S.U. Stoller PROJECT: Star Center - Monthly effluent

DATE/TIME RECEIVED: 12/6/05 0600 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.8

METHOD OF DELIVERY: FEDEX UPS (ACCUTEST COURIER) GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

- [X] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE ALS 12/6/05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1

4

F37072: Chain of Custody
Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F37072
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1486-MB	B035146.D	1	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37072-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	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		Limits
1868-53-7	Dibromofluoromethane	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	73-126%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	111%	83-119%

Blank Spike Summary

Job Number: F37072
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1486-BS	B035145.D	1	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37072-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.9	108	80-120
100-41-4	Ethylbenzene	25	27.5	110	82-115
108-88-3	Toluene	25	27.0	108	81-114
	m,p-Xylene	50	54.7	109	83-118
95-47-6	o-Xylene	25	26.8	107	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	110%	73-126%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37072
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - 4.5 Acre Site

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F37055-1MS	B035148.D	10	12/12/05	KW	n/a	n/a	VB1486
F37055-1MSD	B035149.D	10	12/12/05	KW	n/a	n/a	VB1486
F37055-1	B035147.D	10	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37072-1

CAS No.	Compound	F37055-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	244		250	502	103	492	99	2	72-125/7
100-41-4	Ethylbenzene	10.6		250	277	107	276	106	0	73-119/8
108-88-3	Toluene	23.6		250	286	105	282	103	1	67-123/8
	m,p-Xylene	293		500	816	105	816	105	0	74-123/7
95-47-6	o-Xylene	134		250	394	104	395	104	0	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F37055-1	Limits
1868-53-7	Dibromofluoromethane	100%	99%	98%	86-115%
17060-07-0	1,2-Dichloroethane-D4	110%	109%	106%	73-126%
2037-26-5	Toluene-D8	103%	104%	102%	86-112%
460-00-4	4-Bromofluorobenzene	101%	102%	108%	83-119%

Southeast ACCUTEST Laboratories

01/06/06

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

7031-226

Accutest Job Number: F37073

Sampling Date: 12/05/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **60**

ACCREDITED IN ACCORDANCE WITH nelac

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: F37073-1: PIN20-RW01-N001 6
3.2: F37073-2: PIN20-RW02-N001 8
3.3: F37073-3: PIN20-RW03-N001 10
3.4: F37073-4: PIN20-TRTI-N001 12
3.5: F37073-5: PIN20-TRTE-N001 16
Section 4: Misc. Forms **23**
4.1: Chain of Custody 24
Section 5: GC/MS Volatiles - QC Data Summaries **26**
5.1: Method Blank Summary 27
5.2: Blank Spike Summary 33
5.3: Matrix Spike/Matrix Spike Duplicate Summary 39
Section 6: GC/MS Semi-volatiles - QC Data Summaries **45**
6.1: Method Blank Summary 46
6.2: Blank Spike Summary 49
6.3: Matrix Spike/Matrix Spike Duplicate Summary 52
Section 7: Metals Analysis - QC Data Summaries **55**
7.1: Prep QC MP9012: Fe 56

Accutest LabLink@44525 14:39 06-Jan-2006

Sample Summary

S M Stoller

Job No: F37073

Pinellas Environmental Restoration Project - Young- Rainey Star Center
Project No: 7031-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F37073-1	12/05/05	10:30	JPC	12/05/05	AQ	Ground Water	PIN20-RW01-N001
F37073-2	12/05/05	10:27	JPC	12/05/05	AQ	Ground Water	PIN20-RW02-N001
F37073-3	12/05/05	10:20	JPC	12/05/05	AQ	Ground Water	PIN20-RW03-N001
F37073-4	12/05/05	10:07	JPC	12/05/05	AQ	Ground Water	PIN20-TRTI-N001
F37073-5	12/05/05	10:10	JPC	12/05/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F37073

Site: Pinellas Environmental Restoration Project - Young- Rainey Star **Report Date** 12/20/2005

5 Samples were collected on 12/05/2005 and were received at Accutest on 12/05/2005 properly preserved, at 2.8 Deg. C and intact. These Samples received an Accutest job number of F37073.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:** VB1486

Samples F37055-1MS, F37055-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
F37073-4: Sample was treated with an anti-foaming agent.

F37073-5: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VB1487

Samples F37076-1MS, F37076-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
Sample VC1518-Method Blank has a surrogate recovery above control limits. Method Blank is non-detect.

F37073-3: Sample was treated with an anti-foaming agent.

F37073-1: Sample was treated with an anti-foaming agent.

Matrix: AQ **Batch ID:** VC1518

Samples F37052-9MS, F37052-9MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
Sample VC1518-Method Blank has a surrogate recovery above control limits. Method Blank is non-detect.

F37073-2: Sample was treated with an anti-foaming agent.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP15237

All method blanks for this batch meet method specific criteria.

Samples F37075-4MS, F37075-4MSD were used as the QC samples indicated.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP9012

All method blanks for this batch meet method specific criteria.

Samples F37086-4DUP, F37086-4MS, F37086-4MSD, F37086-4SDL 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 QualityObjectives 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: December 20, 2005

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F37073-1	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B035170.D	1	12/13/05	KW	n/a	n/a	VB1487
Run #2							

	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	1.2	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	0.40	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:	F37073-1	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	0.58	1.0	0.50	ug/l	J
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	106%		73-126%
2037-26-5	Toluene-D8	103%		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-RW02-N001		
Lab Sample ID:	F37073-2	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0037363.D	1	12/12/05	KW	n/a	n/a	VC1518
Run #2							

	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	0.40	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:	F37073-2	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	1.7	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		86-115%
17060-07-0	1,2-Dichloroethane-D4	96%		73-126%
2037-26-5	Toluene-D8	112%		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-RW03-N001		
Lab Sample ID:	F37073-3	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B035171.D	1	12/13/05	KW	n/a	n/a	VB1487
Run #2							

	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	20.4	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	4.2	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	0.40	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	0.61	1.0	0.50	ug/l	J

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F37073-3	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	27.1	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	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	105%		73-126%
2037-26-5	Toluene-D8	104%		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		
Lab Sample ID:	F37073-4	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B035153.D	1	12/13/05	KW	n/a	n/a	VB1486
Run #2							

	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	4.2	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.52	1.0	0.50	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	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	0.40	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:	F37073-4	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	3.4	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	104%		73-126%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	113%		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:	F37073-4	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
		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	6610	300	7.5	ug/l	1	12/12/05	12/12/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4710
(2) Prep QC Batch: MP9012

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:	F37073-4	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
		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	911	4.0	mg/l	1	12/20/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F37073-5	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B035154.D	1	12/13/05	KW	n/a	n/a	VB1486
Run #2							

	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	0.40	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:	F37073-5	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
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	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	104%		73-126%
2037-26-5	Toluene-D8	105%		86-112%
460-00-4	4-Bromofluorobenzene	114%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F37073-5	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	R00175.D	1	12/12/05	ME	12/12/05	OP15237	SR12
Run #2							

	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		
Lab Sample ID:	F37073-5	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
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	29%		19-90%
4165-62-2	Phenol-d5	15%		10-68%
118-79-6	2,4,6-Tribromophenol	72%		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:	F37073-5	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
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	70%		49-119%
321-60-8	2-Fluorobiphenyl	70%		45-118%
1718-51-0	Terphenyl-d14	65%		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:	F37073-5	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
		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	6690	300	7.5	ug/l	1	12/12/05	12/12/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4710
(2) Prep QC Batch: MP9012

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:	F37073-5	**Date Sampled:**	12/05/05
Matrix:	AQ - Ground Water	**Date Received:**	12/05/05
		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	913	4.0	mg/l	1	12/20/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: F37073

CLIENT INFORMATION

NAME: S.M. Stoller
ADDRESS: 7887 Bryan Dairy Rd, Suite 260
CITY: Largo STATE: FL ZIP: 33777
SEND REPORT TO:
PHONE #:

FACILITY INFORMATION

PROJECT NAME: STAR Center - Monthly sampling 4.5 Acre Site
LOCATION: 7031-226
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

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 DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	VOCs - 624	VOCs - 8260	SVOCs - 625	Fe + Hardness	LAB USE ONLY
1	PIN20-RW01-N001	12-5-05	1030	JPC	GW	3	3						3			
2	PIN20-RW02-N001	↓	1027	↓	↓	3	3						3			
3	PIN20-RW03-N001	↓	1020	↓	↓	3	3						3			
4	PIN20-TRTI-N001	↓	1007	↓	↓	4	3	1				3			1	
5	PIN20-TRTE-N001	↓	1010	↓	↓	6	3	1		2		3		2	1	

DATA TURNAROUND INFORMATION

☑ STANDARD
☐ 48 HOUR RUSH
☐ 24 HOUR EMERGENCY
☐ OTHER

APPROVED BY:

EMERGENCY OR RUSH IS FAX DATA UNLESS PREVIOUSLY APPROVED

DATA DELIVERABLE INFORMATION

☑ STANDARD
☐ COMMERCIAL "B"
☐ DISK DELIVERABLE
☐ STATE FORMS
☐ OTHER (SPECIFY)

COMMENTS/REMARKS

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESION, INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. J.P. Cole 12-5-05		1. Luis Accutest 12-5-05 2pm	2. Luis Accutest		2. [signature] 12/6/05 0600
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME:	RECEIVED BY: 4.
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2.8 C

F37073: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F37073 CLIENT: S.M. Stoller PROJECT: Star Center Monthly Sampling

DATE/TIME RECEIVED: 12/6/05 0600 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2-8

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

- [X] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE MDS 12/6/05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1

4

F37073: Chain of Custody

Page 2 of 2

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1486-MB	B035146.D	1	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37073-4, F37073-5

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	0.40	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	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	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	

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1486-MB	B035146.D	1	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37073-4, F37073-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	73-126%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	111%	83-119%

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1518-MB	C0037347.D	1	12/12/05	KW	n/a	n/a	VC1518

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-2

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	0.40	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	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	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	

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1518-MB	C0037347.D	1	12/12/05	KW	n/a	n/a	VC1518

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	86-115%
17060-07-0	1,2-Dichloroethane-D4	95%	73-126%
2037-26-5	Toluene-D8	114%*	86-112%
460-00-4	4-Bromofluorobenzene	111%	83-119%

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1487-MB	B035162.D	1	12/13/05	KW	n/a	n/a	VB1487

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-1, F37073-3

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	1.5	5.0	1.0	ug/l	J
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	0.40	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	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	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	

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1487-MB	B035162.D	1	12/13/05	KW	n/a	n/a	VB1487

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-1, F37073-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	108%	73-126%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	109%	83-119%

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1486-BS	B035145.D	1	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37073-4, F37073-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.9	108	80-120
75-27-4	Bromodichloromethane	25	25.0	100	75-120
75-25-2	Bromoform	25	21.6	86	60-129
108-90-7	Chlorobenzene	25	27.0	108	82-112
75-00-3	Chloroethane	25	23.9	96	67-148
67-66-3	Chloroform	25	26.5	106	78-118
110-75-8	2-Chloroethyl vinyl ether	125	148	118	23-132
56-23-5	Carbon tetrachloride	25	26.1	104	69-137
75-34-3	1,1-Dichloroethane	25	29.2	117	75-117
75-35-4	1,1-Dichloroethylene	25	28.0	112	67-134
107-06-2	1,2-Dichloroethane	25	26.6	106	68-121
78-87-5	1,2-Dichloropropane	25	27.9	112	78-122
124-48-1	Dibromochloromethane	25	24.6	98	68-118
75-71-8	Dichlorodifluoromethane	25	13.1	52	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.2	101	81-120
10061-01-5	cis-1,3-Dichloropropene	25	25.3	101	73-115
541-73-1	m-Dichlorobenzene	25	25.9	104	78-116
95-50-1	o-Dichlorobenzene	25	25.5	102	77-115
106-46-7	p-Dichlorobenzene	25	25.1	100	77-113
156-60-5	trans-1,2-Dichloroethylene	25	29.0	116	74-125
10061-02-6	trans-1,3-Dichloropropene	25	28.2	113	69-115
100-41-4	Ethylbenzene	25	27.5	110	82-115
74-83-9	Methyl bromide	25	22.7	91	60-165
74-87-3	Methyl chloride	25	19.7	79	58-152
75-09-2	Methylene chloride	25	28.3	113	66-125
1634-04-4	Methyl Tert Butyl Ether	25	24.9	100	67-127
71-55-6	1,1,1-Trichloroethane	25	26.4	106	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	67-119
79-00-5	1,1,2-Trichloroethane	25	26.4	106	74-115
127-18-4	Tetrachloroethylene	25	25.5	102	75-126
108-88-3	Toluene	25	27.0	108	81-114
79-01-6	Trichloroethylene	25	27.4	110	80-115
75-69-4	Trichlorofluoromethane	25	26.5	106	65-163
75-01-4	Vinyl chloride	25	22.7	91	70-151
	m,p-Xylene	50	54.7	109	83-118
95-47-6	o-Xylene	25	26.8	107	77-119

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1486-BS	B035145.D	1	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37073-4, F37073-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	110%	73-126%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	103%	83-119%

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1518-BS	C0037346.D	1	12/12/05	KW	n/a	n/a	VC1518

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.6	98	80-120
75-27-4	Bromodichloromethane	25	20.3	81	75-120
75-25-2	Bromoform	25	22.6	90	60-129
108-90-7	Chlorobenzene	25	26.5	106	82-112
75-00-3	Chloroethane	25	23.1	92	67-148
67-66-3	Chloroform	25	22.7	91	78-118
110-75-8	2-Chloroethyl vinyl ether	125	93.5	75	23-132
56-23-5	Carbon tetrachloride	25	20.4	82	69-137
75-34-3	1,1-Dichloroethane	25	24.2	97	75-117
75-35-4	1,1-Dichloroethylene	25	22.8	91	67-134
107-06-2	1,2-Dichloroethane	25	21.8	87	68-121
78-87-5	1,2-Dichloropropane	25	24.3	97	78-122
124-48-1	Dibromochloromethane	25	20.3	81	68-118
75-71-8	Dichlorodifluoromethane	25	21.3	85	43-173
156-59-2	cis-1,2-Dichloroethylene	25	23.0	92	81-120
10061-01-5	cis-1,3-Dichloropropene	25	18.3	73	73-115
541-73-1	m-Dichlorobenzene	25	27.5	110	78-116
95-50-1	o-Dichlorobenzene	25	26.8	107	77-115
106-46-7	p-Dichlorobenzene	25	25.9	104	77-113
156-60-5	trans-1,2-Dichloroethylene	25	23.7	95	74-125
10061-02-6	trans-1,3-Dichloropropene	25	22.4	90	69-115
100-41-4	Ethylbenzene	25	27.7	111	82-115
74-83-9	Methyl bromide	25	21.6	86	60-165
74-87-3	Methyl chloride	25	22.0	88	58-152
75-09-2	Methylene chloride	25	22.4	90	66-125
1634-04-4	Methyl Tert Butyl Ether	25	21.7	87	67-127
71-55-6	1,1,1-Trichloroethane	25	24.1	96	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	26.5	106	67-119
79-00-5	1,1,2-Trichloroethane	25	24.9	100	74-115
127-18-4	Tetrachloroethylene	25	27.6	110	75-126
108-88-3	Toluene	25	27.2	109	81-114
79-01-6	Trichloroethylene	25	23.2	93	80-115
75-69-4	Trichlorofluoromethane	25	23.3	93	65-163
75-01-4	Vinyl chloride	25	21.9	88	70-151
	m,p-Xylene	50	56.4	113	83-118
95-47-6	o-Xylene	25	27.6	110	77-119

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1518-BS	C0037346.D	1	12/12/05	KW	n/a	n/a	VC1518

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	93%	86-115%
17060-07-0	1,2-Dichloroethane-D4	94%	73-126%
2037-26-5	Toluene-D8	107%	86-112%
460-00-4	4-Bromofluorobenzene	100%	83-119%

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1487-BS	B035163.D	1	12/13/05	KW	n/a	n/a	VB1487

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-1, F37073-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.7	107	80-120
75-27-4	Bromodichloromethane	25	23.7	95	75-120
75-25-2	Bromoform	25	20.8	83	60-129
108-90-7	Chlorobenzene	25	26.0	104	82-112
75-00-3	Chloroethane	25	27.2	109	67-148
67-66-3	Chloroform	25	24.9	100	78-118
110-75-8	2-Chloroethyl vinyl ether	125	139	111	23-132
56-23-5	Carbon tetrachloride	25	24.4	98	69-137
75-34-3	1,1-Dichloroethane	25	28.0	112	75-117
75-35-4	1,1-Dichloroethylene	25	26.7	107	67-134
107-06-2	1,2-Dichloroethane	25	24.7	99	68-121
78-87-5	1,2-Dichloropropane	25	26.6	106	78-122
124-48-1	Dibromochloromethane	25	23.4	94	68-118
75-71-8	Dichlorodifluoromethane	25	25.3	101	43-173
156-59-2	cis-1,2-Dichloroethylene	25	24.4	98	81-120
10061-01-5	cis-1,3-Dichloropropene	25	24.7	99	73-115
541-73-1	m-Dichlorobenzene	25	25.2	101	78-116
95-50-1	o-Dichlorobenzene	25	24.7	99	77-115
106-46-7	p-Dichlorobenzene	25	24.2	97	77-113
156-60-5	trans-1,2-Dichloroethylene	25	27.8	111	74-125
10061-02-6	trans-1,3-Dichloropropene	25	27.4	110	69-115
100-41-4	Ethylbenzene	25	26.5	106	82-115
74-83-9	Methyl bromide	25	26.6	106	60-165
74-87-3	Methyl chloride	25	26.2	105	58-152
75-09-2	Methylene chloride	25	27.3	109	66-125
1634-04-4	Methyl Tert Butyl Ether	25	22.6	90	67-127
71-55-6	1,1,1-Trichloroethane	25	24.5	98	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	26.3	105	67-119
79-00-5	1,1,2-Trichloroethane	25	25.1	100	74-115
127-18-4	Tetrachloroethylene	25	23.9	96	75-126
108-88-3	Toluene	25	26.3	105	81-114
79-01-6	Trichloroethylene	25	23.6	94	80-115
75-69-4	Trichlorofluoromethane	25	30.2	121	65-163
75-01-4	Vinyl chloride	25	27.7	111	70-151
	m,p-Xylene	50	52.5	105	83-118
95-47-6	o-Xylene	25	25.7	103	77-119

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1487-BS	B035163.D	1	12/13/05	KW	n/a	n/a	VB1487

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-1, F37073-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	86-115%
17060-07-0	1,2-Dichloroethane-D4	108%	73-126%
2037-26-5	Toluene-D8	105%	86-112%
460-00-4	4-Bromofluorobenzene	103%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F37055-1MS	B035148.D	10	12/12/05	KW	n/a	n/a	VB1486
F37055-1MSD	B035149.D	10	12/12/05	KW	n/a	n/a	VB1486
F37055-1	B035147.D	10	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37073-4, F37073-5

CAS No.	Compound	F37055-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	244		250	502	103	492	99	2	72-125/7
75-27-4	Bromodichloromethane	ND		250	251	100	249	100	1	72-120/8
75-25-2	Bromoform	ND		250	214	86	221	88	3	55-127/11
108-90-7	Chlorobenzene	ND		250	260	104	261	104	0	79-113/7
75-00-3	Chloroethane	ND		250	234	94	228	91	3	56-164/14
67-66-3	Chloroform	40.5		250	301	104	297	103	1	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		1250	ND	0*	ND	0*	nc	8-137/18
56-23-5	Carbon tetrachloride	ND		250	253	101	251	100	1	56-145/12
75-34-3	1,1-Dichloroethane	ND		250	286	114	282	113	1	70-122/10
75-35-4	1,1-Dichloroethylene	ND		250	273	109	267	107	2	61-137/15
107-06-2	1,2-Dichloroethane	7.3		250	270	105	270	105	0	64-124/7
78-87-5	1,2-Dichloropropane	ND		250	278	111	268	107	4	74-123/8
124-48-1	Dibromochloromethane	ND		250	241	96	243	97	1	63-119/9
75-71-8	Dichlorodifluoromethane	ND		250	129	52	126	50	2	35-184/21
156-59-2	cis-1,2-Dichloroethylene	ND		250	247	99	246	98	0	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		250	243	97	242	97	0	65-112/10
541-73-1	m-Dichlorobenzene	ND		250	251	100	252	101	0	74-114/7
95-50-1	o-Dichlorobenzene	ND		250	250	100	250	100	0	73-114/8
106-46-7	p-Dichlorobenzene	ND		250	247	99	241	96	2	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		250	284	114	272	109	4	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		250	267	107	273	109	2	59-116/11
100-41-4	Ethylbenzene	10.6		250	277	107	276	106	0	73-119/8
74-83-9	Methyl bromide	ND		250	227	91	222	89	2	52-172/16
74-87-3	Methyl chloride	ND		250	196	78	191	76	3	53-155/19
75-09-2	Methylene chloride	ND		250	283	113	281	112	1	61-129/11
1634-04-4	Methyl Tert Butyl Ether	1260	E	250	1480	88	1500	96	1	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		250	255	102	252	101	1	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	269	108	277	111	3	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		250	256	102	255	102	0	72-116/9
127-18-4	Tetrachloroethylene	ND		250	236	94	235	94	0	70-126/9
108-88-3	Toluene	23.6		250	286	105	282	103	1	67-123/8
79-01-6	Trichloroethylene	ND		250	242	97	241	96	0	73-117/10
75-69-4	Trichlorofluoromethane	ND		250	262	105	257	103	2	52-164/16
75-01-4	Vinyl chloride	ND		250	216	86	211	84	2	63-161/18
	m,p-Xylene	293		500	816	105	816	105	0	74-123/7
95-47-6	o-Xylene	134		250	394	104	395	104	0	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F37055-1MS	B035148.D	10	12/12/05	KW	n/a	n/a	VB1486
F37055-1MSD	B035149.D	10	12/12/05	KW	n/a	n/a	VB1486
F37055-1	B035147.D	10	12/12/05	KW	n/a	n/a	VB1486

The QC reported here applies to the following samples: **Method:** EPA 624

F37073-4, F37073-5

CAS No.	Surrogate Recoveries	MS	MSD	F37055-1	Limits
1868-53-7	Dibromofluoromethane	100%	99%	98%	86-115%
17060-07-0	1,2-Dichloroethane-D4	110%	109%	106%	73-126%
2037-26-5	Toluene-D8	103%	104%	102%	86-112%
460-00-4	4-Bromofluorobenzene	101%	102%	108%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F37052-9MS	C0037356.D	10	12/12/05	KW	n/a	n/a	VC1518
F37052-9MSD	C0037357.D	10	12/12/05	KW	n/a	n/a	VC1518
F37052-9	C0037355.D	10	12/12/05	KW	n/a	n/a	VC1518

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-2

CAS No.	Compound	F37052-9 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	393		250	830	175*	603	84	32*	72-125/7
75-27-4	Bromodichloromethane	ND		250	270	108	198	79	31*	72-120/8
75-25-2	Bromoform	ND		250	335	134*	249	100	29*	55-127/11
108-90-7	Chlorobenzene	ND		250	359	144*	265	106	30*	79-113/7
75-00-3	Chloroethane	ND		250	259	104	203	81	24*	56-164/14
67-66-3	Chloroform	ND		250	305	122*	224	90	31*	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		1250	199	16	83.1	7*	82*	8-137/18
56-23-5	Carbon tetrachloride	ND		250	262	105	205	82	24*	56-145/12
75-34-3	1,1-Dichloroethane	ND		250	324	130*	233	93	33*	70-122/10
75-35-4	1,1-Dichloroethylene	ND		250	301	120	219	88	32*	61-137/15
107-06-2	1,2-Dichloroethane	ND		250	294	118	216	86	31*	64-124/7
78-87-5	1,2-Dichloropropane	ND		250	317	127*	228	91	33*	74-123/8
124-48-1	Dibromochloromethane	ND		250	280	112	207	83	30*	63-119/9
75-71-8	Dichlorodifluoromethane	ND		250	205	82	147	59	33*	35-184/21
156-59-2	cis-1,2-Dichloroethylene	ND		250	310	124	225	90	32*	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		250	248	99	186	74	29*	65-112/10
541-73-1	m-Dichlorobenzene	ND		250	379	152*	275	110	32*	74-114/7
95-50-1	o-Dichlorobenzene	ND		250	375	150*	267	107	34*	73-114/8
106-46-7	p-Dichlorobenzene	ND		250	360	144*	257	103	33*	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		250	310	124	226	90	31*	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		250	313	125*	227	91	32*	59-116/11
100-41-4	Ethylbenzene	344		250	856	205*	603	104	35*	73-119/8
74-83-9	Methyl bromide	ND		250	239	96	180	72	28*	52-172/16
74-87-3	Methyl chloride	ND		250	234	94	173	69	30*	53-155/19
75-09-2	Methylene chloride	ND		250	291	116	203	81	36*	61-129/11
1634-04-4	Methyl Tert Butyl Ether	163		250	511	139*	382	88	29*	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		250	320	128	238	95	29*	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		250	348	139*	260	104	29*	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		250	341	136*	250	100	31*	72-116/9
127-18-4	Tetrachloroethylene	ND		250	385	154*	278	111	32*	70-126/9
108-88-3	Toluene	9.8	J	250	380	148*	276	106	32*	67-123/8
79-01-6	Trichloroethylene	ND		250	313	125*	229	92	31*	73-117/10
75-69-4	Trichlorofluoromethane	ND		250	281	112	207	83	30*	52-164/16
75-01-4	Vinyl chloride	ND		250	239	96	184	74	26*	63-161/18
	m,p-Xylene	155		500	1000	169*	713	112	34*	74-123/7
95-47-6	o-Xylene	32.5		250	436	161*	312	112	33*	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F37052-9MS	C0037356.D	10	12/12/05	KW	n/a	n/a	VC1518
F37052-9MSD	C0037357.D	10	12/12/05	KW	n/a	n/a	VC1518
F37052-9	C0037355.D	10	12/12/05	KW	n/a	n/a	VC1518

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-2

CAS No.	Surrogate Recoveries	MS	MSD	F37052-9	Limits
1868-53-7	Dibromofluoromethane	93%	95%	94%	86-115%
17060-07-0	1,2-Dichloroethane-D4	91%	95%	92%	73-126%
2037-26-5	Toluene-D8	107%	105%	109%	86-112%
460-00-4	4-Bromofluorobenzene	95%	96%	103%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F37076-1MS	B035175.D	1	12/13/05	KW	n/a	n/a	VB1487
F37076-1MSD	B035176.D	1	12/13/05	KW	n/a	n/a	VB1487
F37076-1	B035174.D	1	12/13/05	KW	n/a	n/a	VB1487

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-1, F37073-3

CAS No.	Compound	F37076-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	28.4	114	27.1	108	5	72-125/7
75-27-4	Bromodichloromethane	ND		25	25.3	101	24.9	100	2	72-120/8
75-25-2	Bromoform	ND		25	21.6	86	21.4	86	1	55-127/11
108-90-7	Chlorobenzene	ND		25	28.1	112	27.4	110	3	79-113/7
75-00-3	Chloroethane	ND		25	26.4	106	26.7	107	1	56-164/14
67-66-3	Chloroform	ND		25	27.1	108	25.6	102	6	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		125	2.7	2*	ND	0*	200*	8-137/18
56-23-5	Carbon tetrachloride	ND		25	26.5	106	25.8	103	3	56-145/12
75-34-3	1,1-Dichloroethane	ND		25	30.1	120	29.2	117	3	70-122/10
75-35-4	1,1-Dichloroethylene	ND		25	29.0	116	27.9	112	4	61-137/15
107-06-2	1,2-Dichloroethane	ND		25	27.1	108	26.2	105	3	64-124/7
78-87-5	1,2-Dichloropropane	ND		25	28.7	115	27.7	111	4	74-123/8
124-48-1	Dibromochloromethane	ND		25	25.1	100	24.3	97	3	63-119/9
75-71-8	Dichlorodifluoromethane	ND		25	25.2	101	24.8	99	2	35-184/21
156-59-2	cis-1,2-Dichloroethylene	ND		25	26.1	104	25.4	102	3	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.8	103	24.9	100	4	65-112/10
541-73-1	m-Dichlorobenzene	ND		25	26.8	107	25.9	104	3	74-114/7
95-50-1	o-Dichlorobenzene	ND		25	26.6	106	25.5	102	4	73-114/8
106-46-7	p-Dichlorobenzene	ND		25	26.3	105	25.5	102	3	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		25	30.1	120	28.9	116	4	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		25	28.8	115	28.3	113	2	59-116/11
100-41-4	Ethylbenzene	ND		25	28.8	115	27.6	110	4	73-119/8
74-83-9	Methyl bromide	ND		25	26.9	108	26.3	105	2	52-172/16
74-87-3	Methyl chloride	ND		25	25.8	103	24.7	99	4	53-155/19
75-09-2	Methylene chloride	ND		25	29.4	118	28.3	113	4	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	24.5	98	23.7	95	3	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		25	26.8	107	25.7	103	4	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	28.0	112	27.6	110	1	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		25	27.4	110	26.3	105	4	72-116/9
127-18-4	Tetrachloroethylene	ND		25	25.8	103	24.9	100	4	70-126/9
108-88-3	Toluene	ND		25	28.3	113	27.3	109	4	67-123/8
79-01-6	Trichloroethylene	ND		25	24.9	100	24.4	98	2	73-117/10
75-69-4	Trichlorofluoromethane	ND		25	30.7	123	29.4	118	4	52-164/16
75-01-4	Vinyl chloride	ND		25	26.4	106	26.4	106	0	63-161/18
	m,p-Xylene	ND		50	57.4	115	55.1	110	4	74-123/7
95-47-6	o-Xylene	ND		25	27.7	111	26.5	106	4	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F37076-1MS	B035175.D	1	12/13/05	KW	n/a	n/a	VB1487
F37076-1MSD	B035176.D	1	12/13/05	KW	n/a	n/a	VB1487
F37076-1	B035174.D	1	12/13/05	KW	n/a	n/a	VB1487

The QC reported here applies to the following samples: **Method:** SW846 8260B

F37073-1, F37073-3

CAS No.	Surrogate Recoveries	MS	MSD	F37076-1	Limits
1868-53-7	Dibromofluoromethane	99%	99%	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	107%	105%	73-126%
2037-26-5	Toluene-D8	105%	104%	105%	86-112%
460-00-4	4-Bromofluorobenzene	101%	103%	110%	83-119%

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-MB	R00174.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	10	ug/l	
95-57-8	2-Chlorophenol	ND	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	ND	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	ND	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	ND	25	10	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	10	5.0	ug/l	
95-48-7	2-Methylphenol	ND	5.0	2.0	ug/l	
	3&4-Methylphenol	ND	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	ND	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	ND	25	10	ug/l	
87-86-5	Pentachlorophenol	ND	25	10	ug/l	
108-95-2	Phenol	ND	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.0	ug/l	
83-32-9	Acenaphthene	ND	5.0	1.0	ug/l	
208-96-8	Acenaphthylene	ND	5.0	1.0	ug/l	
120-12-7	Anthracene	ND	5.0	1.0	ug/l	
56-55-3	Benzo(a)anthracene	ND	5.0	1.0	ug/l	
50-32-8	Benzo(a)pyrene	ND	5.0	1.0	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	5.0	1.0	ug/l	
191-24-2	Benzo(g,h,i)perylene	ND	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	ND	5.0	1.0	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	5.0	1.0	ug/l	
85-68-7	Butyl benzyl phthalate	ND	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	ND	5.0	1.0	ug/l	
91-58-7	2-Chloronaphthalene	ND	5.0	1.0	ug/l	
106-47-8	4-Chloroaniline	ND	10	4.0	ug/l	
86-74-8	Carbazole	ND	5.0	1.0	ug/l	
218-01-9	Chrysene	ND	5.0	1.0	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	5.0	1.0	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	5.0	2.0	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	5.0	1.0	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	5.0	1.0	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	5.0	1.0	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	5.0	1.0	ug/l	

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-MB	R00174.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	5.0	1.0	ug/l	
121-14-2	2,4-Dinitrotoluene	ND	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	ND	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	ND	10	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	ND	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	ND	5.0	1.0	ug/l	
84-74-2	Di-n-butyl phthalate	ND	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	ND	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	ND	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	ND	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	5.0	2.5	ug/l	
206-44-0	Fluoranthene	ND	5.0	1.0	ug/l	
86-73-7	Fluorene	ND	5.0	1.0	ug/l	
118-74-1	Hexachlorobenzene	ND	5.0	1.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	ND	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	ND	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	5.0	2.0	ug/l	
78-59-1	Isophorone	ND	5.0	1.0	ug/l	
91-57-6	2-Methylnaphthalene	ND	5.0	1.0	ug/l	
88-74-4	2-Nitroaniline	ND	10	4.0	ug/l	
99-09-2	3-Nitroaniline	ND	10	4.0	ug/l	
100-01-6	4-Nitroaniline	ND	10	4.0	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
98-95-3	Nitrobenzene	ND	5.0	1.0	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	ND	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	ND	5.0	2.0	ug/l	
85-01-8	Phenanthrene	ND	5.0	1.0	ug/l	
129-00-0	Pyrene	ND	5.0	1.0	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.0	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	19-90%
4165-62-2	Phenol-d5	28%	10-68%

Method Blank Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-MB	R00174.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	80%	36-137%
4165-60-0	Nitrobenzene-d5	79%	49-119%
321-60-8	2-Fluorobiphenyl	80%	45-118%
1718-51-0	Terphenyl-d14	83%	46-135%

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-BS	R00173.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	17.0	17	8-45
95-57-8	2-Chlorophenol	50	42.6	85	62-103
59-50-7	4-Chloro-3-methyl phenol	50	43.8	88	64-103
120-83-2	2,4-Dichlorophenol	50	44.1	88	59-103
105-67-9	2,4-Dimethylphenol	50	36.3	73	43-94
51-28-5	2,4-Dinitrophenol	100	83.1	83	12-125
534-52-1	4,6-Dinitro-o-cresol	100	95.9	96	47-119
95-48-7	2-Methylphenol	50	34.9	70	54-91
	3&4-Methylphenol	100	61.4	61	48-86
88-75-5	2-Nitrophenol	50	45.4	91	64-104
100-02-7	4-Nitrophenol	100	32.1	32	22-50
87-86-5	Pentachlorophenol	100	94.8	95	50-111
108-95-2	Phenol	50	16.5	33	25-53
95-95-4	2,4,5-Trichlorophenol	50	45.4	91	66-104
88-06-2	2,4,6-Trichlorophenol	50	46.3	93	60-103
83-32-9	Acenaphthene	50	44.4	89	62-101
208-96-8	Acenaphthylene	50	42.8	86	65-113
120-12-7	Anthracene	50	45.2	90	69-107
56-55-3	Benzo(a)anthracene	50	47.0	94	68-106
50-32-8	Benzo(a)pyrene	50	45.4	91	70-114
205-99-2	Benzo(b)fluoranthene	50	45.8	92	68-110
191-24-2	Benzo(g,h,i)perylene	50	48.6	97	63-115
207-08-9	Benzo(k)fluoranthene	50	46.7	93	68-112
101-55-3	4-Bromophenyl phenyl ether	50	45.6	91	73-103
85-68-7	Butyl benzyl phthalate	50	48.2	96	69-108
100-51-6	Benzyl Alcohol	50	32.3	65	34-104
91-58-7	2-Chloronaphthalene	50	42.6	85	64-102
106-47-8	4-Chloroaniline	50	40.4	81	57-104
86-74-8	Carbazole	50	47.0	94	69-113
218-01-9	Chrysene	50	47.6	95	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	43.3	87	57-103
111-44-4	bis(2-Chloroethyl)ether	50	47.6	95	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	48.1	96	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	45.4	91	71-104
95-50-1	1,2-Dichlorobenzene	50	36.3	73	62-100
541-73-1	1,3-Dichlorobenzene	50	34.1	68	59-99

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-BS	R00173.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	34.6	69	60-101
121-14-2	2,4-Dinitrotoluene	50	44.7	89	65-111
606-20-2	2,6-Dinitrotoluene	50	43.6	87	77-111
91-94-1	3,3'-Dichlorobenzidine	50	46.0	92	42-110
53-70-3	Dibenzo(a,h)anthracene	50	46.8	94	62-115
132-64-9	Dibenzofuran	50	46.0	92	69-104
84-74-2	Di-n-butyl phthalate	50	44.9	90	68-109
117-84-0	Di-n-octyl phthalate	50	47.3	95	63-120
84-66-2	Diethyl phthalate	50	45.5	91	64-110
131-11-3	Dimethyl phthalate	50	45.9	92	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	47.7	95	64-115
206-44-0	Fluoranthene	50	43.1	86	68-111
86-73-7	Fluorene	50	44.0	88	66-105
118-74-1	Hexachlorobenzene	50	43.4	87	69-103
87-68-3	Hexachlorobutadiene	50	34.2	68	55-90
77-47-4	Hexachlorocyclopentadiene	50	28.6	57	26-95
67-72-1	Hexachloroethane	50	32.9	66	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	48.1	96	63-118
78-59-1	Isophorone	50	45.4	91	64-107
91-57-6	2-Methylnaphthalene	50	44.2	88	66-100
88-74-4	2-Nitroaniline	50	48.7	97	65-111
99-09-2	3-Nitroaniline	50	44.3	89	61-106
100-01-6	4-Nitroaniline	50	47.3	95	60-113
91-20-3	Naphthalene	50	39.3	79	62-101
98-95-3	Nitrobenzene	50	42.9	86	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	41.2	82	64-109
86-30-6	N-Nitrosodiphenylamine	50	45.4	91	69-114
85-01-8	Phenanthrene	50	45.7	91	68-104
129-00-0	Pyrene	50	48.1	96	64-105
120-82-1	1,2,4-Trichlorobenzene	50	37.7	75	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	52%	19-90%
4165-62-2	Phenol-d5	31%	10-68%

Blank Spike Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-BS	R00173.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	87%	36-137%
4165-60-0	Nitrobenzene-d5	84%	49-119%
321-60-8	2-Fluorobiphenyl	87%	45-118%
1718-51-0	Terphenyl-d14	90%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-MS	R00177.D	1	12/12/05	ME	12/12/05	OP15237	SR12
OP15237-MSD	R00178.D	1	12/12/05	ME	12/12/05	OP15237	SR12
F37075-4	R00176.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Compound	F37075-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		196	101	52	97.6	50	3	16-73/41
95-57-8	2-Chlorophenol	ND		98	85.8	88	84.1	86	2	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		98	90.8	93	88.7	90	2	60-101/18
120-83-2	2,4-Dichlorophenol	ND		98	90.2	92	88.1	90	2	55-100/24
105-67-9	2,4-Dimethylphenol	ND		98	79.7	81	77.6	79	3	36-98/26
51-28-5	2,4-Dinitrophenol	ND		196	186	95	178	91	4	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		196	195	99	196	100	1	40-127/24
95-48-7	2-Methylphenol	ND		98	77.9	79	76.6	78	2	46-100/23
	3&4-Methylphenol	ND		196	143	73	143	73	0	43-100/23
88-75-5	2-Nitrophenol	ND		98	91.4	93	90.2	92	1	53-104/25
100-02-7	4-Nitrophenol	ND		196	107	55	106	54	1	32-81/28
87-86-5	Pentachlorophenol	ND		196	198	101	195	99	2	44-118/16
108-95-2	Phenol	ND		98	51.2	52	50.8	52	1	31-77/26
95-95-4	2,4,5-Trichlorophenol	ND		98	93.1	95	90.2	92	3	61-102/18
88-06-2	2,4,6-Trichlorophenol	ND		98	93.2	95	91.1	93	2	55-103/21
83-32-9	Acenaphthene	ND		98	88.7	90	86.1	88	3	55-103/20
208-96-8	Acenaphthylene	ND		98	86.5	88	82.8	84	4	55-113/20
120-12-7	Anthracene	ND		98	91.8	94	89.0	91	3	66-105/14
56-55-3	Benzo(a)anthracene	ND		98	92.6	94	90.6	92	2	65-103/16
50-32-8	Benzo(a)pyrene	ND		98	89.6	91	88.7	90	1	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		98	89.3	91	88.2	90	1	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		98	95.3	97	95.0	97	0	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		98	92.3	94	91.5	93	1	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		98	90.8	93	90.1	92	1	68-102/16
85-68-7	Butyl benzyl phthalate	ND		98	96.0	98	94.7	97	1	65-108/17
100-51-6	Benzyl Alcohol	ND		98	79.0	81	75.9	77	4	48-106/24
91-58-7	2-Chloronaphthalene	ND		98	86.2	88	83.4	85	3	58-101/22
106-47-8	4-Chloroaniline	ND		98	58.6	60	54.1	55	8	39-101/21
86-74-8	Carbazole	ND		98	93.8	96	90.8	93	3	66-109/16
218-01-9	Chrysene	ND		98	93.0	95	91.6	93	2	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		98	86.5	88	84.8	86	2	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		98	96.1	98	94.0	96	2	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		98	97.5	99	96.1	98	1	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		98	91.5	93	88.0	90	4	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		98	83.3	85	82.4	84	1	50-101/22
541-73-1	1,3-Dichlorobenzene	ND		98	81.1	83	79.2	81	2	50-100/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-MS	R00177.D	1	12/12/05	ME	12/12/05	OP15237	SR12
OP15237-MSD	R00178.D	1	12/12/05	ME	12/12/05	OP15237	SR12
F37075-4	R00176.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Compound	F37075-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	ND		98	81.9	84	79.3	81	3	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		98	90.0	92	87.6	89	3	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		98	87.5	89	85.9	88	2	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		98	54.6	56	54.7	56	0	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		98	91.3	93	90.7	93	1	57-111/20
132-64-9	Dibenzofuran	ND		98	88.9	91	85.0	87	4	64-102/17
84-74-2	Di-n-butyl phthalate	ND		98	93.0	95	91.1	93	2	63-107/17
117-84-0	Di-n-octyl phthalate	ND		98	95.6	98	93.9	96	2	58-126/23
84-66-2	Diethyl phthalate	ND		98	92.9	95	89.8	92	3	59-110/18
131-11-3	Dimethyl phthalate	ND		98	92.7	95	89.3	91	4	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		98	96.0	98	94.0	96	2	55-120/22
206-44-0	Fluoranthene	ND		98	88.7	90	87.5	89	1	62-108/17
86-73-7	Fluorene	ND		98	88.4	90	85.0	87	4	60-105/17
118-74-1	Hexachlorobenzene	ND		98	86.0	88	85.4	87	1	64-102/16
87-68-3	Hexachlorobutadiene	ND		98	80.5	82	78.1	80	3	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		98	64.4	66	61.5	63	5	20-92/34
67-72-1	Hexachloroethane	ND		98	82.3	84	80.4	82	2	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		98	95.6	98	93.8	96	2	61-111/19
78-59-1	Isophorone	ND		98	92.0	94	89.2	91	3	59-103/23
91-57-6	2-Methylnaphthalene	ND		98	87.3	89	85.6	87	2	56-100/23
88-74-4	2-Nitroaniline	ND		98	93.8	96	91.5	93	2	61-107/18
99-09-2	3-Nitroaniline	ND		98	69.2	71	64.6	66	7	47-107/26
100-01-6	4-Nitroaniline	ND		98	90.6	92	87.5	89	3	48-119/21
91-20-3	Naphthalene	ND		98	84.3	86	82.3	84	2	52-102/23
98-95-3	Nitrobenzene	ND		98	86.1	88	85.1	87	1	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	ND		98	83.9	86	82.1	84	2	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		98	90.3	92	89.3	91	1	62-112/16
85-01-8	Phenanthrene	ND		98	91.4	93	89.7	91	2	64-103/15
129-00-0	Pyrene	ND		98	92.2	94	91.7	94	1	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		98	84.3	86	82.0	84	3	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F37075-4	Limits
367-12-4	2-Fluorophenol	68%	67%	33%	19-90%
4165-62-2	Phenol-d5	48%	47%	17%	10-68%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F37073
Account: STOLCOGJ S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP15237-MS	R00177.D	1	12/12/05	ME	12/12/05	OP15237	SR12
OP15237-MSD	R00178.D	1	12/12/05	ME	12/12/05	OP15237	SR12
F37075-4	R00176.D	1	12/12/05	ME	12/12/05	OP15237	SR12

The QC reported here applies to the following samples: **Method:** EPA 625

F37073-5

CAS No.	Surrogate Recoveries	MS	MSD	F37075-4	Limits
118-79-6	2,4,6-Tribromophenol	86%	84%	75%	36-137%
4165-60-0	Nitrobenzene-d5	85%	83%	77%	49-119%
321-60-8	2-Fluorobiphenyl	87%	83%	76%	45-118%
1718-51-0	Terphenyl-d14	86%	84%	62%	46-135%

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: F37073
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP9012
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 12/12/05

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6	anr	
Antimony	5.0	1.5	anr	
Arsenic	10	2.8	anr	
Barium	200	.5	anr	
Beryllium	4.0	.3	anr	
Cadmium	5.0	.3	anr	
Calcium	1000	3.8	anr	
Chromium	10	.4	anr	
Cobalt	50	.5	anr	
Copper	25	.4	anr	
Iron	300	7.1	72.7	<300
Lead	5.0	1.2	anr	
Magnesium	5000	9.9	anr	
Manganese	15	.2	anr	
Molybdenum	50	.8		
Nickel	40	1.1	anr	
Potassium	5000	14	anr	
Selenium	10	2	anr	
Silver	10	.6	anr	
Sodium	5000	150	anr	
Thallium	10	1.5	anr	
Tin	50	1.5		
Vanadium	50	.5	anr	
Zinc	20	.6	anr	

Associated samples MP9012: F37073-4, F37073-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F37073
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP9012 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/12/05 12/12/05

Metal	F37086-4 Original	DUP	RPD	QC Limits	F37086-4 Original	MS	Spikelot MPFLICP	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium	anr								
Beryllium	anr								
Cadmium	anr								
Calcium	anr								
Chromium	anr								
Cobalt	anr								
Copper	anr								
Iron	0.0	0.0 (a)	NC	0-14	0.0	21200	27000	78.5	76-125
Lead	anr								
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel	anr								
Potassium	anr								
Selenium	anr								
Silver	anr								
Sodium	anr								
Thallium	anr								
Tin									
Vanadium	anr								
Zinc	anr								

Associated samples MP9012: F37073-4, F37073-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F37073
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP9012 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/12/05

Metal	F37086-4 Original	MSD	Spikelot MPFLICP	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium	anr					
Beryllium	anr					
Cadmium	anr					
Calcium	anr					
Chromium	anr					
Cobalt	anr					
Copper	anr					
Iron	0.0	21100	27000	78.1	0.5	20
Lead	anr					
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel	anr					
Potassium	anr					
Selenium	anr					
Silver	anr					
Sodium	anr					
Thallium	anr					
Tin						
Vanadium	anr					
Zinc	anr					

Associated samples MP9012: F37073-4, F37073-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F37073
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP9012 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 12/12/05

Metal	BSP Result	Spikelot MPFLICP	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	26800	27000	99.3	80-120
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP9012: F37073-4, F37073-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: F37073
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP9012
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 12/12/05

Metal	F37086-4 Original	SDL 1:5	RPD	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium	anr			
Beryllium	anr			
Cadmium	anr			
Calcium	anr			
Chromium	anr			
Cobalt	anr			
Copper	anr			
Iron	0.00	0.00	NC	0-10
Lead	anr			
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel	anr			
Potassium	anr			
Selenium	anr			
Silver	anr			
Sodium	anr			
Thallium	anr			
Tin				
Vanadium	anr			
Zinc	anr			

Associated samples MP9012: F37073-4, F37073-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested