Southeast ACCUTEST Laboratories

04/11/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

7030-226

Accutest Job Number: F29125

Sampling Date: 01/06/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **69**

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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Sample Summary

S M Stoller

Job No: F29125

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F29125-1	01/06/05	09:56	JPC	01/06/05	AQ	Ground Water	PIN20-RW01-N001
F29125-2	01/06/05	09:52	JPC	01/06/05	AQ	Ground Water	PIN20-RW02-N001
F29125-3	01/06/05	09:48	JPC	01/06/05	AQ	Ground Water	PIN20-RW03-N001
F29125-4	01/06/05	10:01	JPC	01/06/05	AQ	Ground Water	PIN20-TRTI-N001
F29125-5	01/06/05	10:05	JPC	01/06/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F29125

Site: STAR Center- 4.5 Acre Site, Largo, FL **Report Date** 1/21/2005

5 Samples were collected on 01/06/2005 and were received at Accutest on 01/06/2005 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F29125.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:** VB1147

Samples F29125-4MS, F29125-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
Matrix Spike Duplicate Recovery for 2-Chloroethyl vinyl ether is outside control limits. The Blank Spike is within limits. Data not adversely affected.
Matrix Spike Recovery for 2-Chloroethyl vinyl ether is outside control limits. The Blank Spike is within limits. Data not adversely affected.

F29125-5: Sample was treated with an anti-foaming agent.

F29125-4: Confirmation run.

Matrix: AQ **Batch ID:** VB1148

Samples F29125-4MS, F29125-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
Matrix Spike Duplicate Recovery for 2-Chloroethyl vinyl ether is outside control limits The Blank Spike is within limits. Data not adversely affected.
RPD for MS/MSD for 2-Chloroethyl vinyl ether is outside control limits for sample F29125-4MSD. The Blank Spike is within limits. Data not adversely affected.

F29125-4: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VC1220

Samples F29138-5MS, F29138-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
Matrix Spike Duplicate Recovery for 2-Chloroethyl vinyl ether is outside control limits. The Blank Spike is within limits, except where noted below. Data not adversely affected.
Matrix Spike Recovery for 2-Chloroethyl vinyl ether is outside control limits. The Blank Spike is within limits, except where noted below. Data not adversely affected.

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

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP12228

Samples F29125-5MS, F29125-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoveries for bis(2-Chloroethyl)ether, Pyrene are outside control limits. All associated samples were non-detect for these compounds. Data not adversely affected.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP7580

Samples F29133-1DUP, F29133-1MS, F29133-1MSD, F29133-1SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

MP7580-MB1 for Iron: All sample results >10x method blank concentration.

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: January 21, 2005

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F29125-1	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
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	C0028740.D	1	01/10/05	KW	n/a	n/a	VC1220
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	2.1	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F29125-1	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	1.3	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	98%		83-119%

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

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

Report of Analysis

Client Sample ID:	PIN20-RW02-N001		
Lab Sample ID:	F29125-2	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
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	C0028741.D	1	01/10/05	KW	n/a	n/a	VC1220
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	3.3	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW02-N001		
Lab Sample ID:	F29125-2	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	2.6	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	99%		86-112%
460-00-4	4-Bromofluorobenzene	97%		83-119%

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F29125-3	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
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	C0028742.D	1	01/10/05	KW	n/a	n/a	VC1220
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	2.5	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F29125-3	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	9.2	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	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	97%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	96%		83-119%

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F29125-4	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
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]	B026873.D	1	01/12/05	KW	n/a	n/a	VB1148
Run #2 [b]	B026858.D	20	01/11/05	KW	n/a	n/a	VB1147

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

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	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	2.2	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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F29125-4	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	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	106%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	108%	102%	73-126%
2037-26-5	Toluene-D8	95%	99%	86-112%
460-00-4	4-Bromofluorobenzene	105%	102%	83-119%

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

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:	F29125-4	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
		Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	6700	300	48	ug/l	1	01/10/05	01/11/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4166
(2) Prep QC Batch: MP7580

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:	F29125-4	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
		Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	924	4.0	mg/l	1	01/18/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F29125-5	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
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]	B026861.D	1	01/11/05	KW	n/a	n/a	VB1147
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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F29125-5	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

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

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

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F29125-5	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
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	W023560.D	1	01/11/05	ME	01/10/05	OP12228	SW1228
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	14	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	2.9	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:	F29125-5	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

ABN TCL List

CAS No.	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	4.8	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	1.9	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	37%		19-90%
4165-62-2	Phenol-d5	24%		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:	F29125-5	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	64%		49-119%
321-60-8	2-Fluorobiphenyl	69%		45-118%
1718-51-0	Terphenyl-d14	88%		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:	F29125-5	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
		Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Iron	6610	300	48	ug/l	1	01/10/05	01/11/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4166
(2) Prep QC Batch: MP7580

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:	F29125-5	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
		Percent Solids:	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	934	4.0	mg/l	1	01/18/05	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 #: F29125
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.: 7030-226
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	NaOH	HNO3	H2SO4	NONE	VOCs - 8260	VOCs - 624	SVOCs - 625	Fe + Hardness	LAB USE ONLY
1	PIN20-RW01-N001	1-6-05	0956	JPC	GW	3	3					3				
2	PIN20-RW02-N001	↓	0952	↓	↓	3	3					3				
3	PIN20-RW03-N001	↓	0948	↓	↓	3	3					3				
4	PIN20-TRTI-N001	↓	1001	↓	↓	4	3	1					3		1	
5	PIN20-TRTE-N001	↓	1005	↓	↓	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. [signature]	1-6-05/1310	1. [signature]	2.	1-6-05 13:10	2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME: 1/6/05 7:55	RECEIVED BY: 4. [signature]
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ TEMPERATURE 2.0 1.4 C

4.1
4

F29125: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F29125

Client: S.M Stoller Project: Star Center, 4.5 Acre

Date Received: 1/6/05 Time Received: 7:35

# of Coolers Received: 2 Cooler Temperatures: 2.0 1.4

Delivery Method: FedEx UPS (Accutest Courier) Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	Yes	(No)	
Trip Blank on COC ?	Yes	(No)	
Trip Blank Intact ?	Yes	No	(N/A)
Trip Blank Matrix ?	Soil	Water	(N/A)
Number of Encores ?	Ø		
Number of Soil Field Kits ?	Ø		

Summary of Comments:

Signature: Date: 1/6/05

Review Signature:

ASBD 12/30/03

F29125: 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: F29125
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
VB1147-MB	B026857.D	1	01/11/05	KW	n/a	n/a	VB1147

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

F29125-5

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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F29125
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
VB1147-MB	B026857.D	1	01/11/05	KW	n/a	n/a	VB1147

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

F29125-5

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

Method Blank Summary

Job Number: F29125
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
VB1148-MB	B026871.D	1	01/12/05	KW	n/a	n/a	VB1148

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

F29125-4

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F29125
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
VB1148-MB	B026871.D	1	01/12/05	KW	n/a	n/a	VB1148

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

F29125-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	86-115%
17060-07-0	1,2-Dichloroethane-D4	110%	73-126%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	104%	83-119%

Method Blank Summary

Job Number: F29125
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
VC1220-MB	C0028739.D	1	01/10/05	KW	n/a	n/a	VC1220

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

F29125-1, F29125-2, F29125-3

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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F29125
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
VC1220-MB	C0028739.D	1	01/10/05	KW	n/a	n/a	VC1220

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

F29125-1, F29125-2, F29125-3

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

Blank Spike Summary

Job Number: F29125
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
VB1147-BS	B026856.D	1	01/11/05	KW	n/a	n/a	VB1147

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

F29125-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.5	106	80-120
75-27-4	Bromodichloromethane	25	26.0	104	75-120
75-25-2	Bromoform	25	23.7	95	60-129
108-90-7	Chlorobenzene	25	24.8	99	82-112
75-00-3	Chloroethane	25	26.9	108	67-148
67-66-3	Chloroform	25	25.8	103	78-118
110-75-8	2-Chloroethyl vinyl ether	125	160	128	23-132
56-23-5	Carbon tetrachloride	25	25.9	104	69-137
75-34-3	1,1-Dichloroethane	25	26.7	107	75-117
75-35-4	1,1-Dichloroethylene	25	24.1	96	67-134
107-06-2	1,2-Dichloroethane	25	25.2	101	68-121
78-87-5	1,2-Dichloropropane	25	26.3	105	78-122
124-48-1	Dibromochloromethane	25	24.1	96	68-118
75-71-8	Dichlorodifluoromethane	25	31.4	126	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.8	103	81-120
10061-01-5	cis-1,3-Dichloropropene	25	24.2	97	73-115
541-73-1	m-Dichlorobenzene	25	24.7	99	78-116
95-50-1	o-Dichlorobenzene	25	24.7	99	77-115
106-46-7	p-Dichlorobenzene	25	24.5	98	77-113
156-60-5	trans-1,2-Dichloroethylene	25	25.2	101	74-125
10061-02-6	trans-1,3-Dichloropropene	25	23.5	94	69-115
100-41-4	Ethylbenzene	25	26.2	105	82-115
74-83-9	Methyl bromide	25	25.9	104	60-165
74-87-3	Methyl chloride	25	29.2	117	58-152
75-09-2	Methylene chloride	25	24.7	99	66-125
1634-04-4	Methyl Tert Butyl Ether	25	28.6	114	67-127
71-55-6	1,1,1-Trichloroethane	25	26.7	107	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	22.7	91	67-119
79-00-5	1,1,2-Trichloroethane	25	24.8	99	74-115
127-18-4	Tetrachloroethylene	25	24.9	100	75-126
108-88-3	Toluene	25	25.0	100	81-114
79-01-6	Trichloroethylene	25	25.8	103	80-115
75-69-4	Trichlorofluoromethane	25	27.1	108	65-163
75-01-4	Vinyl chloride	25	26.7	107	70-151
	m,p-Xylene	50	52.5	105	83-118
95-47-6	o-Xylene	25	25.6	102	77-119

Blank Spike Summary

Job Number: F29125
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
VB1147-BS	B026856.D	1	01/11/05	KW	n/a	n/a	VB1147

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

F29125-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	95%	83-119%

Blank Spike Summary

Job Number: F29125
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
VB1148-BS	B026872.D	1	01/12/05	KW	n/a	n/a	VB1148

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

F29125-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.2	101	80-120
75-27-4	Bromodichloromethane	25	28.0	112	75-120
75-25-2	Bromoform	25	25.4	102	60-129
108-90-7	Chlorobenzene	25	25.8	103	82-112
75-00-3	Chloroethane	25	23.7	95	67-148
67-66-3	Chloroform	25	27.0	108	78-118
110-75-8	2-Chloroethyl vinyl ether	125	164	131	23-132
56-23-5	Carbon tetrachloride	25	30.1	120	69-137
75-34-3	1,1-Dichloroethane	25	26.6	106	75-117
75-35-4	1,1-Dichloroethylene	25	25.3	101	67-134
107-06-2	1,2-Dichloroethane	25	27.2	109	68-121
78-87-5	1,2-Dichloropropane	25	26.1	104	78-122
124-48-1	Dibromochloromethane	25	25.9	104	68-118
75-71-8	Dichlorodifluoromethane	25	34.8	139	43-173
156-59-2	cis-1,2-Dichloroethylene	25	26.4	106	81-120
10061-01-5	cis-1,3-Dichloropropene	25	25.6	102	73-115
541-73-1	m-Dichlorobenzene	25	26.0	104	78-116
95-50-1	o-Dichlorobenzene	25	25.8	103	77-115
106-46-7	p-Dichlorobenzene	25	25.8	103	77-113
156-60-5	trans-1,2-Dichloroethylene	25	25.9	104	74-125
10061-02-6	trans-1,3-Dichloropropene	25	25.5	102	69-115
100-41-4	Ethylbenzene	25	26.3	105	82-115
74-83-9	Methyl bromide	25	25.2	101	60-165
74-87-3	Methyl chloride	25	24.8	99	58-152
75-09-2	Methylene chloride	25	25.2	101	66-125
1634-04-4	Methyl Tert Butyl Ether	25	30.0	120	67-127
71-55-6	1,1,1-Trichloroethane	25	29.9	120	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	24.4	98	67-119
79-00-5	1,1,2-Trichloroethane	25	24.1	96	74-115
127-18-4	Tetrachloroethylene	25	26.4	106	75-126
108-88-3	Toluene	25	25.1	100	81-114
79-01-6	Trichloroethylene	25	25.2	101	80-115
75-69-4	Trichlorofluoromethane	25	27.8	111	65-163
75-01-4	Vinyl chloride	25	23.7	95	70-151
	m,p-Xylene	50	53.1	106	83-118
95-47-6	o-Xylene	25	26.2	105	77-119

Blank Spike Summary

Job Number: F29125
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
VB1148-BS	B026872.D	1	01/12/05	KW	n/a	n/a	VB1148

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

F29125-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	105%	86-115%
17060-07-0	1,2-Dichloroethane-D4	111%	73-126%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	99%	83-119%

Blank Spike Summary

Job Number: F29125
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
VC1220-BS	C0028738.D	1	01/10/05	KW	n/a	n/a	VC1220

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

F29125-1, F29125-2, F29125-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.5	102	80-120
75-27-4	Bromodichloromethane	25	25.4	102	75-120
75-25-2	Bromoform	25	25.9	104	60-129
108-90-7	Chlorobenzene	25	26.2	105	82-112
75-00-3	Chloroethane	25	27.2	109	67-148
67-66-3	Chloroform	25	26.2	105	78-118
110-75-8	2-Chloroethyl vinyl ether	125	186	149*	23-132
56-23-5	Carbon tetrachloride	25	26.9	108	69-137
75-34-3	1,1-Dichloroethane	25	25.8	103	75-117
75-35-4	1,1-Dichloroethylene	25	24.4	98	67-134
107-06-2	1,2-Dichloroethane	25	23.8	95	68-121
78-87-5	1,2-Dichloropropane	25	26.4	106	78-122
124-48-1	Dibromochloromethane	25	26.2	105	68-118
75-71-8	Dichlorodifluoromethane	25	24.1	96	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.9	104	81-120
10061-01-5	cis-1,3-Dichloropropene	25	24.8	99	73-115
541-73-1	m-Dichlorobenzene	25	26.3	105	78-116
95-50-1	o-Dichlorobenzene	25	26.3	105	77-115
106-46-7	p-Dichlorobenzene	25	25.2	101	77-113
156-60-5	trans-1,2-Dichloroethylene	25	24.9	100	74-125
10061-02-6	trans-1,3-Dichloropropene	25	24.9	100	69-115
100-41-4	Ethylbenzene	25	26.3	105	82-115
74-83-9	Methyl bromide	25	27.3	109	60-165
74-87-3	Methyl chloride	25	24.8	99	58-152
75-09-2	Methylene chloride	25	23.8	95	66-125
1634-04-4	Methyl Tert Butyl Ether	25	28.3	113	67-127
71-55-6	1,1,1-Trichloroethane	25	27.2	109	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	25.8	103	67-119
79-00-5	1,1,2-Trichloroethane	25	25.5	102	74-115
127-18-4	Tetrachloroethylene	25	27.5	110	75-126
108-88-3	Toluene	25	25.1	100	81-114
79-01-6	Trichloroethylene	25	26.1	104	80-115
75-69-4	Trichlorofluoromethane	25	26.2	105	65-163
75-01-4	Vinyl chloride	25	25.3	101	70-151
	m,p-Xylene	50	51.9	104	83-118
95-47-6	o-Xylene	25	25.8	103	77-119

Blank Spike Summary

Job Number: F29125
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
VC1220-BS	C0028738.D	1	01/10/05	KW	n/a	n/a	VC1220

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

F29125-1, F29125-2, F29125-3

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
F29125-4MS	B026859.D	20	01/11/05	KW	n/a	n/a	VB1147
F29125-4MSD	B026860.D	20	01/11/05	KW	n/a	n/a	VB1147
F29125-4 [a]	B026858.D	20	01/11/05	KW	n/a	n/a	VB1147

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

F29125-5

CAS No.	Compound	F29125-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	531	106	518	104	2	72-125/7
75-27-4	Bromodichloromethane	ND		500	523	105	514	103	2	72-120/8
75-25-2	Bromoform	ND		500	478	96	469	94	2	55-127/11
108-90-7	Chlorobenzene	ND		500	511	102	498	100	3	79-113/7
75-00-3	Chloroethane	ND		500	538	108	512	102	5	56-164/14
67-66-3	Chloroform	ND		500	525	105	505	101	4	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	526	105	518	104	2	56-145/12
75-34-3	1,1-Dichloroethane	ND		500	540	108	527	105	2	70-122/10
75-35-4	1,1-Dichloroethylene	ND		500	472	94	468	94	1	61-137/15
107-06-2	1,2-Dichloroethane	ND		500	510	102	493	99	3	64-124/7
78-87-5	1,2-Dichloropropane	ND		500	525	105	515	103	2	74-123/8
124-48-1	Dibromochloromethane	ND		500	496	99	486	97	2	63-119/9
75-71-8	Dichlorodifluoromethane	ND		500	598	120	636	127	6	35-184/21
156-59-2	cis-1,2-Dichloroethylene	ND		500	535	107	516	103	4	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		500	479	96	468	94	2	65-112/10
541-73-1	m-Dichlorobenzene	ND		500	494	99	491	98	1	74-114/7
95-50-1	o-Dichlorobenzene	ND		500	494	99	492	98	0	73-114/8
106-46-7	p-Dichlorobenzene	ND		500	490	98	489	98	0	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		500	496	99	489	98	1	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		500	472	94	465	93	1	59-116/11
100-41-4	Ethylbenzene	ND		500	519	104	508	102	2	73-119/8
74-83-9	Methyl bromide	ND		500	521	104	504	101	3	52-172/16
74-87-3	Methyl chloride	ND		500	598	120	561	112	6	53-155/19
75-09-2	Methylene chloride	ND		500	499	100	488	98	2	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		500	564	113	566	113	0	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		500	540	108	528	106	2	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	493	99	503	101	2	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		500	502	100	494	99	2	72-116/9
127-18-4	Tetrachloroethylene	ND		500	483	97	476	95	1	70-126/9
108-88-3	Toluene	ND		500	509	102	497	99	2	67-123/8
79-01-6	Trichloroethylene	ND		500	482	96	467	93	3	73-117/10
75-69-4	Trichlorofluoromethane	ND		500	550	110	524	105	5	52-164/16
75-01-4	Vinyl chloride	ND		500	548	110	518	104	6	63-161/18
	m,p-Xylene	ND		1000	1060	106	1030	103	3	74-123/7
95-47-6	o-Xylene	ND		500	520	104	510	102	2	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
F29125-4MS	B026859.D	20	01/11/05	KW	n/a	n/a	VB1147
F29125-4MSD	B026860.D	20	01/11/05	KW	n/a	n/a	VB1147
F29125-4 [a]	B026858.D	20	01/11/05	KW	n/a	n/a	VB1147

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

F29125-5

CAS No.	Surrogate Recoveries	MS	MSD	F29125-4	Limits
1868-53-7	Dibromofluoromethane	101%	102%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	106%	107%	102%	73-126%
2037-26-5	Toluene-D8	99%	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	92%	96%	102%	83-119%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
F29125-4MS	B026875.D	1	01/12/05	KW	n/a	n/a	VB1148
F29125-4MSD	B026876.D	1	01/12/05	KW	n/a	n/a	VB1148
F29125-4 [a]	B026873.D	1	01/12/05	KW	n/a	n/a	VB1148

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

F29125-4

CAS No.	Compound	F29125-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	25.5	102	25.3	101	1	72-125/7
75-27-4	Bromodichloromethane	ND		25	25.6	102	26.4	106	3	72-120/8
75-25-2	Bromoform	ND		25	23.4	94	24.7	99	5	55-127/11
108-90-7	Chlorobenzene	ND		25	24.8	99	25.1	100	1	79-113/7
75-00-3	Chloroethane	ND		25	27.1	108	26.1	104	4	56-164/14
67-66-3	Chloroform	ND		25	25.7	103	26.2	105	2	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		125	37.7	30	ND	0*	200*	8-137/18
56-23-5	Carbon tetrachloride	ND		25	26.2	105	26.8	107	2	56-145/12
75-34-3	1,1-Dichloroethane	ND		25	26.4	106	26.1	104	1	70-122/10
75-35-4	1,1-Dichloroethylene	ND		25	23.2	93	23.6	94	2	61-137/15
107-06-2	1,2-Dichloroethane	ND		25	24.5	98	25.4	102	4	64-124/7
78-87-5	1,2-Dichloropropane	ND		25	25.9	104	25.9	104	0	74-123/8
124-48-1	Dibromochloromethane	ND		25	23.7	95	24.4	98	3	63-119/9
75-71-8	Dichlorodifluoromethane	ND		25	33.3	133	34.1	136	2	35-184/21
156-59-2	cis-1,2-Dichloroethylene	2.2		25	28.3	104	28.3	104	0	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.1	96	24.5	98	2	65-112/10
541-73-1	m-Dichlorobenzene	ND		25	24.2	97	25.0	100	3	74-114/7
95-50-1	o-Dichlorobenzene	ND		25	24.7	99	25.3	101	2	73-114/8
106-46-7	p-Dichlorobenzene	ND		25	24.3	97	25.0	100	3	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.8	99	25.2	101	2	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.0	96	24.8	99	3	59-116/11
100-41-4	Ethylbenzene	ND		25	25.1	100	25.8	103	3	73-119/8
74-83-9	Methyl bromide	ND		25	27.8	111	26.4	106	5	52-172/16
74-87-3	Methyl chloride	ND		25	31.4	126	28.2	113	11	53-155/19
75-09-2	Methylene chloride	ND		25	23.8	95	24.6	98	3	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	27.1	108	29.4	118	8	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		25	25.5	102	27.0	108	6	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.9	96	25.2	101	5	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		25	23.8	95	24.9	100	5	72-116/9
127-18-4	Tetrachloroethylene	ND		25	25.0	100	24.8	99	1	70-126/9
108-88-3	Toluene	ND		25	24.5	98	24.7	99	1	67-123/8
79-01-6	Trichloroethylene	ND		25	23.9	96	24.1	96	1	73-117/10
75-69-4	Trichlorofluoromethane	ND		25	28.0	112	27.3	109	3	52-164/16
75-01-4	Vinyl chloride	2.3		25	30.3	112	28.2	104	7	63-161/18
	m,p-Xylene	ND		50	50.6	101	51.6	103	2	74-123/7
95-47-6	o-Xylene	ND		25	25.1	100	25.6	102	2	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
F29125-4MS	B026875.D	1	01/12/05	KW	n/a	n/a	VB1148
F29125-4MSD	B026876.D	1	01/12/05	KW	n/a	n/a	VB1148
F29125-4 [a]	B026873.D	1	01/12/05	KW	n/a	n/a	VB1148

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

F29125-4

CAS No.	Surrogate Recoveries	MS	MSD	F29125-4	Limits
1868-53-7	Dibromofluoromethane	102%	104%	106%	86-115%
17060-07-0	1,2-Dichloroethane-D4	106%	101%	108%	73-126%
2037-26-5	Toluene-D8	100%	99%	95%	86-112%
460-00-4	4-Bromofluorobenzene	96%	96%	105%	83-119%

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
F29138-5MS	C0028746.D	1	01/10/05	KW	n/a	n/a	VC1220
F29138-5MSD	C0028747.D	1	01/10/05	KW	n/a	n/a	VC1220
F29138-5	C0028745.D	1	01/10/05	KW	n/a	n/a	VC1220

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

F29125-1, F29125-2, F29125-3

CAS No.	Compound	F29138-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		25	25.0	100	24.7	99	1	72-125/7
75-27-4	Bromodichloromethane	ND		25	25.3	101	25.3	101	0	72-120/8
75-25-2	Bromoform	ND		25	22.6	90	23.1	92	2	55-127/11
108-90-7	Chlorobenzene	ND		25	24.0	96	23.7	95	1	79-113/7
75-00-3	Chloroethane	ND		25	23.3	93	24.3	97	4	56-164/14
67-66-3	Chloroform	ND		25	25.5	102	25.4	102	0	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	8-137/18
56-23-5	Carbon tetrachloride	ND		25	22.8	91	22.4	90	2	56-145/12
75-34-3	1,1-Dichloroethane	ND		25	25.0	100	24.7	99	1	70-122/10
75-35-4	1,1-Dichloroethylene	ND		25	23.7	95	23.1	92	3	61-137/15
107-06-2	1,2-Dichloroethane	ND		25	23.9	96	23.8	95	0	64-124/7
78-87-5	1,2-Dichloropropane	ND		25	25.6	102	26.1	104	2	74-123/8
124-48-1	Dibromochloromethane	ND		25	24.5	98	24.6	98	0	63-119/9
75-71-8	Dichlorodifluoromethane	ND		25	24.4	98	25.3	101	4	35-184/21
156-59-2	cis-1,2-Dichloroethylene	ND		25	25.1	100	25.1	100	0	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.2	97	23.5	94	3	65-112/10
541-73-1	m-Dichlorobenzene	ND		25	19.3	77	19.3	77	0	74-114/7
95-50-1	o-Dichlorobenzene	ND		25	19.7	79	19.9	80	1	73-114/8
106-46-7	p-Dichlorobenzene	ND		25	19.5	78	19.2	77	2	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		25	24.1	96	23.4	94	3	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		25	22.8	91	22.8	91	0	59-116/11
100-41-4	Ethylbenzene	ND		25	22.5	90	22.3	89	1	73-119/8
74-83-9	Methyl bromide	ND		25	19.2	77	20.4	82	6	52-172/16
74-87-3	Methyl chloride	ND		25	21.1	84	22.7	91	7	53-155/19
75-09-2	Methylene chloride	ND		25	23.0	92	22.5	90	2	61-129/11
1634-04-4	Methyl Tert Butyl Ether	13.4		25	40.9	110	40.2	107	2	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		25	25.9	104	25.4	102	2	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.4	94	23.3	93	0	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		25	23.8	95	23.6	94	1	72-116/9
127-18-4	Tetrachloroethylene	ND		25	22.3	89	22.4	90	0	70-126/9
108-88-3	Toluene	ND		25	23.4	94	23.6	94	1	67-123/8
79-01-6	Trichloroethylene	ND		25	24.6	98	24.5	98	0	73-117/10
75-69-4	Trichlorofluoromethane	ND		25	22.2	89	22.3	89	0	52-164/16
75-01-4	Vinyl chloride	ND		25	20.2	81	22.0	88	9	63-161/18
	m,p-Xylene	ND		50	43.7	87	44.2	88	1	74-123/7
95-47-6	o-Xylene	ND		25	22.2	89	21.9	88	1	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
F29138-5MS	C0028746.D	1	01/10/05	KW	n/a	n/a	VC1220
F29138-5MSD	C0028747.D	1	01/10/05	KW	n/a	n/a	VC1220
F29138-5	C0028745.D	1	01/10/05	KW	n/a	n/a	VC1220

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

F29125-1, F29125-2, F29125-3

CAS No.	Surrogate Recoveries	MS	MSD	F29138-5	Limits
1868-53-7	Dibromofluoromethane	102%	103%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	101%	100%	97%	73-126%
2037-26-5	Toluene-D8	96%	97%	97%	86-112%
460-00-4	4-Bromofluorobenzene	94%	95%	95%	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: F29125
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
OP12228-MB	W023558.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	15	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	3.0	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: F29125
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
OP12228-MB	W023558.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

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	5.0	2.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	2.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	2.0	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	44%	19-90%
4165-62-2	Phenol-d5	29%	10-68%

Method Blank Summary

Job Number: F29125
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
OP12228-MB	W023558.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	73%	36-137%
4165-60-0	Nitrobenzene-d5	69%	49-119%
321-60-8	2-Fluorobiphenyl	69%	45-118%
1718-51-0	Terphenyl-d14	93%	46-135%

Method Blank Summary

Job Number: F29125
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
OP12228-MB	W023569.D	1	01/12/05	ME	01/10/05	OP12228	SW1229

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

F29125-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	15	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	3.0	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: F29125
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
OP12228-MB	W023569.D	1	01/12/05	ME	01/10/05	OP12228	SW1229

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

F29125-5

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	5.0	2.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	2.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	2.0	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	44%	19-90%
4165-62-2	Phenol-d5	29%	10-68%

Method Blank Summary

Job Number: F29125
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
OP12228-MB	W023569.D	1	01/12/05	ME	01/10/05	OP12228	SW1229

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

F29125-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	71%	36-137%
4165-60-0	Nitrobenzene-d5	68%	49-119%
321-60-8	2-Fluorobiphenyl	69%	45-118%
1718-51-0	Terphenyl-d14	93%	46-135%

Method Blank Summary

Job Number: F29125
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
OP12228-MB	L024738.D	1	01/13/05	ME	01/10/05	OP12228	SL1305

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

F29125-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	15	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	3.0	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: F29125
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
OP12228-MB	L024738.D	1	01/13/05	ME	01/10/05	OP12228	SL1305

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

F29125-5

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	5.0	2.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	2.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	2.0	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	47%	19-90%
4165-62-2	Phenol-d5	29%	10-68%

Method Blank Summary

Job Number: F29125
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
OP12228-MB	L024738.D	1	01/13/05	ME	01/10/05	OP12228	SL1305

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

F29125-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	79%	36-137%
4165-60-0	Nitrobenzene-d5	72%	49-119%
321-60-8	2-Fluorobiphenyl	76%	45-118%
1718-51-0	Terphenyl-d14	77%	46-135%

Blank Spike Summary

Job Number: F29125
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
OP12228-BS	W023557.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	24.6	25	8-45
95-57-8	2-Chlorophenol	50	40.2	80	62-103
59-50-7	4-Chloro-3-methyl phenol	50	44.2	88	64-103
120-83-2	2,4-Dichlorophenol	50	43.3	87	59-103
105-67-9	2,4-Dimethylphenol	50	33.0	66	43-94
51-28-5	2,4-Dinitrophenol	100	86.9	87	12-125
534-52-1	4,6-Dinitro-o-cresol	100	98.6	99	47-119
95-48-7	2-Methylphenol	50	35.3	71	54-91
	3&4-Methylphenol	100	67.0	67	48-86
88-75-5	2-Nitrophenol	50	42.9	86	64-104
100-02-7	4-Nitrophenol	100	33.3	33	22-50
87-86-5	Pentachlorophenol	100	106	106	50-111
108-95-2	Phenol	50	17.3	35	25-53
95-95-4	2,4,5-Trichlorophenol	50	43.6	87	66-104
88-06-2	2,4,6-Trichlorophenol	50	43.7	87	60-103
83-32-9	Acenaphthene	50	42.8	86	62-101
208-96-8	Acenaphthylene	50	42.2	84	65-113
120-12-7	Anthracene	50	43.6	87	69-107
56-55-3	Benzo(a)anthracene	50	46.2	92	68-106
50-32-8	Benzo(a)pyrene	50	45.3	91	70-114
205-99-2	Benzo(b)fluoranthene	50	48.0	96	68-110
191-24-2	Benzo(g,h,i)perylene	50	37.5	75	63-115
207-08-9	Benzo(k)fluoranthene	50	47.7	95	68-112
101-55-3	4-Bromophenyl phenyl ether	50	46.7	93	73-103
85-68-7	Butyl benzyl phthalate	50	51.1	102	69-108
100-51-6	Benzyl Alcohol	50	38.3	77	34-104
91-58-7	2-Chloronaphthalene	50	41.5	83	64-102
106-47-8	4-Chloroaniline	50	35.4	71	57-104
218-01-9	Chrysene	50	46.1	92	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	40.2	80	57-103
111-44-4	bis(2-Chloroethyl)ether	50	42.8	86	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	42.5	85	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.9	88	71-104
95-50-1	1,2-Dichlorobenzene	50	38.5	77	62-100
541-73-1	1,3-Dichlorobenzene	50	37.5	75	59-99
106-46-7	1,4-Dichlorobenzene	50	37.6	75	60-101

Blank Spike Summary

Job Number: F29125
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
OP12228-BS	W023557.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	42.1	84	65-111
606-20-2	2,6-Dinitrotoluene	50	42.8	86	77-111
91-94-1	3,3'-Dichlorobenzidine	50	38.5	77	42-110
53-70-3	Dibenzo(a,h)anthracene	50	36.5	73	62-115
132-64-9	Dibenzofuran	50	42.3	85	69-104
84-74-2	Di-n-butyl phthalate	50	43.4	87	68-109
117-84-0	Di-n-octyl phthalate	50	58.1	116	63-120
84-66-2	Diethyl phthalate	50	45.3	91	64-110
131-11-3	Dimethyl phthalate	50	45.3	91	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	48.0	96	64-115
206-44-0	Fluoranthene	50	40.8	82	68-111
86-73-7	Fluorene	50	41.8	84	66-105
118-74-1	Hexachlorobenzene	50	45.1	90	69-103
87-68-3	Hexachlorobutadiene	50	37.3	75	55-90
77-47-4	Hexachlorocyclopentadiene	50	22.8	46	26-95
67-72-1	Hexachloroethane	50	36.4	73	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	36.3	73	63-118
78-59-1	Isophorone	50	41.8	84	64-107
91-57-6	2-Methylnaphthalene	50	41.8	84	66-100
88-74-4	2-Nitroaniline	50	43.1	86	65-111
99-09-2	3-Nitroaniline	50	41.6	83	61-106
100-01-6	4-Nitroaniline	50	39.8	80	60-113
91-20-3	Naphthalene	50	39.9	80	62-101
98-95-3	Nitrobenzene	50	42.2	84	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	43.4	87	64-109
86-30-6	N-Nitrosodiphenylamine	50	45.8	92	69-114
85-01-8	Phenanthrene	50	45.4	91	68-104
129-00-0	Pyrene	50	54.0	108*	64-105
120-82-1	1,2,4-Trichlorobenzene	50	39.4	79	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	50%	19-90%
4165-62-2	Phenol-d5	33%	10-68%
118-79-6	2,4,6-Tribromophenol	91%	36-137%

Blank Spike Summary

Job Number: F29125
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
OP12228-BS	W023557.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	80%	49-119%
321-60-8	2-Fluorobiphenyl	86%	45-118%
1718-51-0	Terphenyl-d14	106%	46-135%

Blank Spike Summary

Job Number: F29125
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
OP12228-BS	L024737.D	1	01/13/05	ME	01/10/05	OP12228	SL1305

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

F29125-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	20.7	21	8-45
95-57-8	2-Chlorophenol	50	44.0	88	62-103
59-50-7	4-Chloro-3-methyl phenol	50	43.2	86	64-103
120-83-2	2,4-Dichlorophenol	50	47.5	95	59-103
105-67-9	2,4-Dimethylphenol	50	31.0	62	43-94
51-28-5	2,4-Dinitrophenol	100	94.7	95	12-125
534-52-1	4,6-Dinitro-o-cresol	100	101	101	47-119
95-48-7	2-Methylphenol	50	35.6	71	54-91
	3&4-Methylphenol	100	62.3	62	48-86
88-75-5	2-Nitrophenol	50	44.7	89	64-104
100-02-7	4-Nitrophenol	100	34.6	35	22-50
87-86-5	Pentachlorophenol	100	96.7	97	50-111
108-95-2	Phenol	50	19.0	38	25-53
95-95-4	2,4,5-Trichlorophenol	50	45.8	92	66-104
88-06-2	2,4,6-Trichlorophenol	50	47.8	96	60-103
83-32-9	Acenaphthene	50	46.8	94	62-101
208-96-8	Acenaphthylene	50	45.2	90	65-113
120-12-7	Anthracene	50	48.8	98	69-107
56-55-3	Benzo(a)anthracene	50	48.2	96	68-106
50-32-8	Benzo(a)pyrene	50	48.6	97	70-114
205-99-2	Benzo(b)fluoranthene	50	47.4	95	68-110
191-24-2	Benzo(g,h,i)perylene	50	50.8	102	63-115
207-08-9	Benzo(k)fluoranthene	50	48.9	98	68-112
101-55-3	4-Bromophenyl phenyl ether	50	47.2	94	73-103
85-68-7	Butyl benzyl phthalate	50	46.6	93	69-108
100-51-6	Benzyl Alcohol	50	35.4	71	34-104
91-58-7	2-Chloronaphthalene	50	45.0	90	64-102
106-47-8	4-Chloroaniline	50	33.0	66	57-104
218-01-9	Chrysene	50	49.2	98	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	41.7	83	57-103
111-44-4	bis(2-Chloroethyl)ether	50	55.3	111*	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	41.6	83	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	46.4	93	71-104
95-50-1	1,2-Dichlorobenzene	50	41.2	82	62-100
541-73-1	1,3-Dichlorobenzene	50	40.4	81	59-99
106-46-7	1,4-Dichlorobenzene	50	40.9	82	60-101

Blank Spike Summary

Job Number: F29125
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
OP12228-BS	L024737.D	1	01/13/05	ME	01/10/05	OP12228	SL1305

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

F29125-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	46.6	93	65-111
606-20-2	2,6-Dinitrotoluene	50	44.4	89	77-111
91-94-1	3,3'-Dichlorobenzidine	50	40.4	81	42-110
53-70-3	Dibenzo(a,h)anthracene	50	48.6	97	62-115
132-64-9	Dibenzofuran	50	45.4	91	69-104
84-74-2	Di-n-butyl phthalate	50	47.2	94	68-109
117-84-0	Di-n-octyl phthalate	50	49.8	100	63-120
84-66-2	Diethyl phthalate	50	46.9	94	64-110
131-11-3	Dimethyl phthalate	50	45.7	91	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	46.9	94	64-115
206-44-0	Fluoranthene	50	49.2	98	68-111
86-73-7	Fluorene	50	45.5	91	66-105
118-74-1	Hexachlorobenzene	50	46.8	94	69-103
87-68-3	Hexachlorobutadiene	50	42.0	84	55-90
77-47-4	Hexachlorocyclopentadiene	50	25.3	51	26-95
67-72-1	Hexachloroethane	50	39.5	79	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	47.9	96	63-118
78-59-1	Isophorone	50	40.4	81	64-107
91-57-6	2-Methylnaphthalene	50	42.9	86	66-100
88-74-4	2-Nitroaniline	50	47.0	94	65-111
99-09-2	3-Nitroaniline	50	43.1	86	61-106
100-01-6	4-Nitroaniline	50	44.9	90	60-113
91-20-3	Naphthalene	50	43.7	87	62-101
98-95-3	Nitrobenzene	50	45.8	92	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	39.2	78	64-109
86-30-6	N-Nitrosodiphenylamine	50	47.4	95	69-114
85-01-8	Phenanthrene	50	49.7	99	68-104
129-00-0	Pyrene	50	47.1	94	64-105
120-82-1	1,2,4-Trichlorobenzene	50	43.6	87	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	57%	19-90%
4165-62-2	Phenol-d5	36%	10-68%
118-79-6	2,4,6-Tribromophenol	96%	36-137%

Blank Spike Summary

Job Number: F29125
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
OP12228-BS	L024737.D	1	01/13/05	ME	01/10/05	OP12228	SL1305

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

F29125-5

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	86%	49-119%
321-60-8	2-Fluorobiphenyl	92%	45-118%
1718-51-0	Terphenyl-d14	89%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
OP12228-MS	W023561.D	1	01/11/05	ME	01/10/05	OP12228	SW1228
OP12228-MSD	W023562.D	1	01/12/05	ME	01/10/05	OP12228	SW1228
F29125-5	W023560.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Compound	F29125-5 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	84.4	43	80.1	41	5	16-73/41
95-57-8	2-Chlorophenol	ND		98	68.2	70	68.3	70	0	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		98	81.5	83	82.9	85	2	60-101/18
120-83-2	2,4-Dichlorophenol	ND		98	75.4	77	74.6	76	1	55-100/24
105-67-9	2,4-Dimethylphenol	ND		98	71.1	73	70.0	71	2	36-98/26
51-28-5	2,4-Dinitrophenol	ND		196	165	84	162	83	2	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		196	181	92	174	89	4	40-127/24
95-48-7	2-Methylphenol	ND		98	65.6	67	67.7	69	3	46-100/23
	3&4-Methylphenol	ND		196	133	68	136	69	2	43-100/23
88-75-5	2-Nitrophenol	ND		98	72.3	74	71.2	73	2	53-104/25
100-02-7	4-Nitrophenol	ND		196	91.5	47	92.2	47	1	32-81/28
87-86-5	Pentachlorophenol	ND		196	191	97	186	95	3	44-118/16
108-95-2	Phenol	ND		98	42.2	43	44.2	45	5	31-77/26
95-95-4	2,4,5-Trichlorophenol	ND		98	78.2	80	74.9	76	4	61-102/18
88-06-2	2,4,6-Trichlorophenol	ND		98	80.1	82	76.4	78	5	55-103/21
83-32-9	Acenaphthene	ND		98	76.9	78	75.3	77	2	55-103/20
208-96-8	Acenaphthylene	ND		98	76.0	78	74.2	76	2	55-113/20
120-12-7	Anthracene	ND		98	77.9	79	76.9	78	1	66-105/14
56-55-3	Benzo(a)anthracene	ND		98	83.8	85	84.0	86	0	65-103/16
50-32-8	Benzo(a)pyrene	ND		98	84.6	86	83.2	85	2	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		98	89.8	92	91.7	94	2	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		98	67.1	68	64.7	66	4	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		98	92.3	94	89.6	91	3	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		98	83.3	85	81.5	83	2	68-102/16
85-68-7	Butyl benzyl phthalate	ND		98	94.0	96	94.3	96	0	65-108/17
100-51-6	Benzyl Alcohol	ND		98	73.9	75	77.1	79	4	48-106/24
91-58-7	2-Chloronaphthalene	ND		98	72.1	74	69.6	71	4	58-101/22
106-47-8	4-Chloroaniline	ND		98	63.8	65	64.9	66	2	39-101/21
218-01-9	Chrysene	ND		98	81.4	83	81.1	83	0	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		98	68.7	70	68.8	70	0	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		98	72.4	74	73.1	75	1	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		98	71.6	73	71.9	73	0	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		98	80.4	82	79.1	81	2	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		98	67.1	68	67.7	69	1	50-101/22
541-73-1	1,3-Dichlorobenzene	ND		98	64.6	66	65.2	67	1	50-100/23
106-46-7	1,4-Dichlorobenzene	ND		98	64.5	66	65.6	67	2	51-101/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
OP12228-MS	W023561.D	1	01/11/05	ME	01/10/05	OP12228	SW1228
OP12228-MSD	W023562.D	1	01/12/05	ME	01/10/05	OP12228	SW1228
F29125-5	W023560.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Compound	F29125-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
121-14-2	2,4-Dinitrotoluene	ND		98	78.1	80	80.6	82	3	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		98	80.0	82	79.6	81	1	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		98	49.3	50	51.5	53	4	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		98	64.2	65	63.1	64	2	57-111/20
132-64-9	Dibenzofuran	ND		98	77.1	79	76.0	78	1	64-102/17
84-74-2	Di-n-butyl phthalate	ND		98	78.2	80	76.5	78	2	63-107/17
117-84-0	Di-n-octyl phthalate	ND		98	120	122	122	124	2	58-126/23
84-66-2	Diethyl phthalate	ND		98	83.0	85	85.7	87	3	59-110/18
131-11-3	Dimethyl phthalate	ND		98	82.7	84	83.1	85	0	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		98	88.1	90	88.3	90	0	55-120/22
206-44-0	Fluoranthene	ND		98	72.3	74	72.7	74	1	62-108/17
86-73-7	Fluorene	ND		98	76.7	78	77.0	79	0	60-105/17
118-74-1	Hexachlorobenzene	ND		98	80.5	82	79.2	81	2	64-102/16
87-68-3	Hexachlorobutadiene	ND		98	65.2	67	64.6	66	1	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		98	40.7	42	36.4	37	11	20-92/34
67-72-1	Hexachloroethane	ND		98	63.0	64	64.3	66	2	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		98	65.4	67	63.2	64	3	61-111/19
78-59-1	Isophorone	ND		98	72.5	74	73.5	75	1	59-103/23
91-57-6	2-Methylnaphthalene	ND		98	72.0	73	72.9	74	1	56-100/23
88-74-4	2-Nitroaniline	ND		98	80.2	82	79.6	81	1	61-107/18
99-09-2	3-Nitroaniline	ND		98	74.0	75	78.1	80	5	47-107/26
100-01-6	4-Nitroaniline	ND		98	72.7	74	76.5	78	5	48-119/21
91-20-3	Naphthalene	ND		98	68.1	69	68.2	70	0	52-102/23
98-95-3	Nitrobenzene	ND		98	69.1	70	71.7	73	4	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	ND		98	72.6	74	74.6	76	3	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		98	82.0	84	81.5	83	1	62-112/16
85-01-8	Phenanthrene	ND		98	82.5	84	82.8	84	0	64-103/15
129-00-0	Pyrene	ND		98	101	103	102	104	1	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		98	67.1	68	66.6	68	1	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F29125-5	Limits
367-12-4	2-Fluorophenol	54%	54%	37%	19-90%
4165-62-2	Phenol-d5	43%	44%	24%	10-68%
118-79-6	2,4,6-Tribromophenol	83%	80%	77%	36-137%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29125
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
OP12228-MS	W023561.D	1	01/11/05	ME	01/10/05	OP12228	SW1228
OP12228-MSD	W023562.D	1	01/12/05	ME	01/10/05	OP12228	SW1228
F29125-5	W023560.D	1	01/11/05	ME	01/10/05	OP12228	SW1228

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

F29125-5

CAS No.	Surrogate Recoveries	MS	MSD	F29125-5	Limits
4165-60-0	Nitrobenzene-d5	68%	68%	64%	49-119%
321-60-8	2-Fluorobiphenyl	76%	73%	69%	45-118%
1718-51-0	Terphenyl-d14	100%	100%	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: F29125
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7580
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 01/10/05

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6	anr	
Antimony	5.0	1.5		
Arsenic	10	2.8	anr	
Barium	200	.5		
Beryllium	4.0	.3		
Cadmium	5.0	.3		
Calcium	1000	3.8		
Chromium	10	.4		
Cobalt	50	.5		
Copper	25	.44	anr	
Iron	300	7.1	338	* (a)
Lead	5.0	1.2	anr	
Magnesium	5000	9.9	anr	
Manganese	15	.16		
Molybdenum	50	.75		
Nickel	40	1.1		
Potassium	5000	14	anr	
Selenium	10	2		
Silver	10	.6		
Sodium	5000	150	anr	
Thallium	10	1.5		
Tin	50	1.5		
Vanadium	50	.47		
Zinc	20	.59	anr	

Associated samples MP7580: F29125-4, F29125-5

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) All sample results >10x method blank concentration.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F29125
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7580 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 01/10/05 01/10/05

Metal	F29133-1 Original	DUP	RPD	QC Limits	F29133-1 Original	MS	Spikelot MPFLICP	% Rec	QC Limits
Aluminum	anr								
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron	0.0	0.0	NC	0-14	0.0	27200	27000	100.7	76-125
Lead	anr								
Magnesium	anr								
Manganese									
Molybdenum									
Nickel									
Potassium	anr								
Selenium									
Silver									
Sodium	anr								
Thallium									
Tin									
Vanadium									
Zinc	anr								

Associated samples MP7580: F29125-4, F29125-5

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: F29125
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7580 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 01/10/05

Metal	F29133-1 Original	MSD	Spikelot MPFLICP	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	0.0	25600	27000	94.8	6.1	20
Lead	anr					
Magnesium	anr					
Manganese						
Molybdenum						
Nickel						
Potassium	anr					
Selenium						
Silver						
Sodium	anr					
Thallium						
Tin						
Vanadium						
Zinc	anr					

Associated samples MP7580: F29125-4, F29125-5

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: F29125
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7580
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 01/10/05

Metal	BSP Result	Spikelot MPFLICP	% Rec	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	27000	27000	100.0	80-120
Lead	anr			
Magnesium	anr			
Manganese				
Molybdenum				
Nickel				
Potassium	anr			
Selenium				
Silver				
Sodium	anr			
Thallium				
Tin				
Vanadium				
Zinc	anr			

Associated samples MP7580: F29125-4, F29125-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: F29125
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7580
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 01/10/05

Metal	F29133-1 Original	SDL 1:5	RPD	QC Limits
Aluminum	anr			
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	0.00	0.00	NC	0-10
Lead	anr			
Magnesium	anr			
Manganese				
Molybdenum				
Nickel				
Potassium	anr			
Selenium				
Silver				
Sodium	anr			
Thallium				
Tin				
Vanadium				
Zinc	anr			

Associated samples MP7580: F29125-4, F29125-5

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

Southeast ACCUTEST Laboratories

04/11/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7030-226

Accutest Job Number: F29127

Sampling Date: 01/06/05

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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Sample Summary

S M Stoller

Job No: F29127

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F29127-1	01/06/05	10:07	JPC	01/06/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F29127

Site: Star Center-4.5 Acre Monthly /Effluent, FL **Report Date** 1/17/2005

1 Sample was collected on 01/06/2005 and were received at Accutest on 01/06/2005 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F29127.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:** VB1147

All method blanks for this batch meet method specific criteria.

Samples F29125-4MS, F29125-4MSD were used as the QC samples indicated.

F29127-1: 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.
ALSE is not responsible for any assumptions of data quality if partial data packages are used.
Narrative prepared by:

_____ Date: January 17, 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:	F29127-1	**Date Sampled:**	01/06/05
Matrix:	AQ - Ground Water	**Date Received:**	01/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - 4.5 Acre Site		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B026863.D	1	01/12/05	KW	n/a	n/a	VB1147
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	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	98%		86-112%
460-00-4	4-Bromofluorobenzene	103%		83-119%

(a) Sample collected on 01/06/05 at 10:07.
(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 #: F29123
ACCUTEST QUOTE #:

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 Sampling
LOCATION: B100
PROJECT NO.: 7030-226
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	PIN12-TRTE-N002 * B100	1-6-05	1102	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. [signature]	1-6-05/1310	1. [signature]	2.	1-6-05 1310	2.
RELINQUISHED BY: 3.	DATE TIME:	RECEIVED BY: 3.	RELINQUISHED BY: 4.	DATE TIME: 1/6/05 7:35	RECEIVED BY: 4. [signature]
RELINQUISHED BY: 5.	DATE TIME:	RECEIVED BY: 5.	SEAL #	PRESERVE WHERE APPLICABLE ☐	ON ICE ☐ 20 TEMPERATURE 1.4 C

4.1

4

F29127: Chain of Custody

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ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F29127

Client: S.M Stoller Project: Star Center - monthly EFF.

Date Received: 1/6/~~04~~ msc 05 Time Received: 7:35

# of Coolers Received: msc 2 Cooler Temperatures: 1.4 2.0

Delivery Method: FedEx UPS (Accutest Courier) Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	Yes	(No)	
Trip Blank on COC ?	Yes	(No)	
Trip Blank Intact ?	Yes	No	(N/A)
Trip Blank Matrix ?	Soil	Water	(N/A)
Number of Encores ?	Ø		
Number of Soil Field Kits ?	Ø		

Summary of Comments:

Signature: Date: 1/6/05

Review Signature:

ASBD 12/30/03

F29127: 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: F29127
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
VB1147-MB	B026857.D	1	01/11/05	KW	n/a	n/a	VB1147

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

F29127-1

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	101%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	104%	83-119%

Blank Spike Summary

Job Number: F29127
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
VB1147-BS	B026856.D	1	01/11/05	KW	n/a	n/a	VB1147

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

F29127-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.5	106	80-120
100-41-4	Ethylbenzene	25	26.2	105	82-115
108-88-3	Toluene	25	25.0	100	81-114
	m,p-Xylene	50	52.5	105	83-118
95-47-6	o-Xylene	25	25.6	102	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	95%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29127
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
F29125-4MS	B026859.D	20	01/11/05	KW	n/a	n/a	VB1147
F29125-4MSD	B026860.D	20	01/11/05	KW	n/a	n/a	VB1147
F29125-4 [a]	B026858.D	20	01/11/05	KW	n/a	n/a	VB1147

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

F29127-1

CAS No.	Compound	F29125-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	531	106	518	104	2	72-125/7
100-41-4	Ethylbenzene	ND		500	519	104	508	102	2	73-119/8
108-88-3	Toluene	ND		500	509	102	497	99	2	67-123/8
	m,p-Xylene	ND		1000	1060	106	1030	103	3	74-123/7
95-47-6	o-Xylene	ND		500	520	104	510	102	2	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F29125-4	Limits
1868-53-7	Dibromofluoromethane	101%	102%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	106%	107%	102%	73-126%
2037-26-5	Toluene-D8	99%	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	92%	96%	102%	83-119%

(a) Confirmation run.

Southeast ACCUTEST Laboratories

04/11/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7030-226

Accutest Job Number: F29618

Sampling Date: 02/02/05

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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Sample Summary

S M Stoller

Job No: F29618

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F29618-1	02/02/05	10:11	JPC	02/02/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F29618

Site: Star Center-4.5 Acre Monthly /Effluent, FL **Report Date** 2/14/2005

1 Sample was collected on 02/02/2005 and were received at Accutest on 02/02/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F29618.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:** VC1242

All method blanks for this batch meet method specific criteria.

Samples F29624-3MS, F29624-3MSD were used as the QC samples indicated.

F29618-1: 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: February 15, 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:	F29618-1	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/02/05
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]	C0030260.D	1	02/09/05	KW	n/a	n/a	VC1242
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	101%		73-126%
2037-26-5	Toluene-D8	93%		86-112%
460-00-4	4-Bromofluorobenzene	103%		83-119%

(a) Sample collected on 02/02/05 at 10:11.
(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 #: F29618
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 sampling
LOCATION: 4.5 Acre Site
PROJECT NO.: 7030-226
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	2-2-05	1011	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. [signature]	2-2-05 / 14:24	1. [signature] 2/2/05 14:25	2. [signature] 2/2/05	16:45	2. [signature]
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 2.6 C

4.1 4

F29618: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F29618

Client: S.M. Stoller Project: Star Center - 4.5 Acre Sites

Date Received: 2/3/04 Time Received: 8:00

# of Coolers Received: 1 Cooler Temperatures: 2.6

Delivery Method: FedEx UPS (Accutest Courier) Greyhound Delivery Other

Air Bill Number:

Cooler Custody Seals Intact ?	(Yes)	No	
Chain of Custody Provided ?	(Yes)	No	
COC Match Bottle Label ID's ?	(Yes)	No	
Sample Labels Present on all bottles ?	(Yes)	No	
All Analyses Marked On COC ?	(Yes)	No	
Are All Bottles Intact ?	(Yes)	No	
Samples Preserved Correctly ?	(Yes)	No	
Correct Number of Containers Used ?	(Yes)	No	
Sufficient Sample Volume ?	(Yes)	No	
Trip Blank Provided ?	Yes	(No)	
Trip Blank on COC ?	Yes	(No)	
Trip Blank Intact ?	Yes	No	(N/A)
Trip Blank Matrix ?	Soil	Water	(N/A)
Number of Encores ?	Ø		
Number of Soil Field Kits ?	Ø		

Summary of Comments:

Signature: Date: 2/3/05

Review Signature:

ASBD 12/30/03

F29618: Chain of Custody
Page 2 of 2

ACCUTEST Laboratories F29618

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: F29618
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
VC1242-MB	C0030258.D	1	02/09/05	KW	n/a	n/a	VC1242

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

F29618-1

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	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	100%	73-126%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	101%	83-119%

Blank Spike Summary

Job Number: F29618
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
VC1242-BS	C0030257.D	1	02/09/05	KW	n/a	n/a	VC1242

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

F29618-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.6	98	80-120
100-41-4	Ethylbenzene	25	25.2	101	82-115
108-88-3	Toluene	25	24.3	97	81-114
	m,p-Xylene	50	50.4	101	83-118
95-47-6	o-Xylene	25	25.3	101	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	86-115%
17060-07-0	1,2-Dichloroethane-D4	110%	73-126%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	95%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29618
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
F29624-3MS	C0030263.D	20	02/09/05	KW	n/a	n/a	VC1242
F29624-3MSD	C0030264.D	20	02/09/05	KW	n/a	n/a	VC1242
F29624-3	C0030261.D	20	02/09/05	KW	n/a	n/a	VC1242

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

F29618-1

CAS No.	Compound	F29624-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	485	97	476	95	2	72-125/7
100-41-4	Ethylbenzene	ND		500	470	94	475	95	1	73-119/8
108-88-3	Toluene	ND		500	465	93	459	92	1	67-123/8
	m,p-Xylene	ND		1000	959	96	952	95	1	74-123/7
95-47-6	o-Xylene	ND		500	475	95	474	95	0	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F29624-3	Limits
1868-53-7	Dibromofluoromethane	106%	107%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	109%	110%	105%	73-126%
2037-26-5	Toluene-D8	98%	97%	94%	86-112%
460-00-4	4-Bromofluorobenzene	95%	94%	103%	83-119%

Southeast ACCUTEST Laboratories

04/11/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

7030-226

Accutest Job Number: F29621

Sampling Date: 02/02/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **66**

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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Sample Summary

S M Stoller

Job No: F29621

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F29621-1	02/02/05	09:52	JPC	02/03/05	AQ	Ground Water	PIN20-RW01-N001
F29621-2	02/02/05	09:56	JPC	02/03/05	AQ	Ground Water	PIN20-RW02-N001
F29621-3	02/02/05	09:59	JPC	02/03/05	AQ	Ground Water	PIN20-RW03-N001
F29621-4	02/02/05	10:05	JPC	02/03/05	AQ	Ground Water	PIN20-TRTI-N001
F29621-5	02/02/05	10:09	JPC	02/03/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F29621

Site: STAR Center- 4.5 Acre Site, Largo, FL **Report Date** 2/15/2005

5 Samples were collected on 02/02/2005 and were received at Accutest on 02/03/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F29621.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:** VC1242

Samples F29624-3MS, F29624-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
RPD for MS/MSD for 2-Chloroethyl vinyl ether is outside control limits for sample F29624-3MSD. The Blank Spike was within limits. Data not adversely affected.

F29621-4: Sample was treated with an anti-foaming agent.

F29621-5: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VC1241

Samples F29655-5MS, F29655-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. The Blank Spike was within limits. Data not adversely affected.

F29621-2: Sample was treated with an anti-foaming agent.

F29621-3: Sample was treated with an anti-foaming agent.

Matrix: AQ **Batch ID:** VJ572

Samples F29650-2MS, F29650-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
Matrix Spike Recovery for Benzene is outside control limits. The Blank Spike was within limits. Data not adversely affected.
Matrix Spike Duplicate Recoveries for 2-Chloroethyl vinyl ether, Benzene are outside control limits. The Blank Spike was within limits. Data not adversely affected.
RPD for MS/MSD for 2-Chloroethyl vinyl ether is outside control limits for sample F29650-2MSD. The Blank Spike was within limits. Data not adversely affected.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP12440

Samples F29559-5MS, F29559-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

MS/MSD recoveries for Hexachlorocyclopentadiene are outside control limits. The Blank Spike was within limits, except where noted below.

RPD for MS/MSD for Di-n-octyl phthalate, Hexachlorocyclopentadiene are outside control limits for sample OP12440-MSD,

OP12440-MSD. The Blank Spike was within limits, except where noted below.

Blank Spike Recovery for Hexachlorocyclopentadiene was below limits at 20%, the limit is 26%. The associated samples were non-detect for this compound.

The Blank Spike recovery for Pentachlorophenol was above control limits. The associated samples were non-detect for this compound. Data not adversely affected.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP7678

Samples F29486-1ADUP, F29486-1AMS, F29486-1AMSD, F29486-1ASDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data 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: February 15, 2005

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F29621-1	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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	J013614.D	1	02/07/05	RM	n/a	n/a	VJ572
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	2.0	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F29621-1	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	0.97	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	108%		86-115%
17060-07-0	1,2-Dichloroethane-D4	104%		73-126%
2037-26-5	Toluene-D8	86%		86-112%
460-00-4	4-Bromofluorobenzene	95%		83-119%

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

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

Report of Analysis

Client Sample ID:	PIN20-RW02-N001		
Lab Sample ID:	F29621-2	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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]	C0030244.D	1	02/08/05	KW	n/a	n/a	VC1241
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	2.7	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW02-N001		
Lab Sample ID:	F29621-2	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	2.5	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		86-115%
17060-07-0	1,2-Dichloroethane-D4	101%		73-126%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	103%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F29621-3	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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]	C0030245.D	1	02/08/05	KW	n/a	n/a	VC1241
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	2.7	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.4	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F29621-3	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	14.5	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	105%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F29621-4	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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]	C0030266.D	1	02/09/05	KW	n/a	n/a	VC1242
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	2.0	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F29621-4	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	3.0	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	100%		73-126%
2037-26-5	Toluene-D8	91%		86-112%
460-00-4	4-Bromofluorobenzene	102%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F29621-4	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
		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	6840	300	48	ug/l	1	02/07/05	02/08/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4201
(2) Prep QC Batch: MP7678

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:	F29621-4	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
		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	978	4.0	mg/l	1	02/14/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F29621-5	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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]	C0030267.D	1	02/09/05	KW	n/a	n/a	VC1242
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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F29621-5	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	101%		73-126%
2037-26-5	Toluene-D8	92%		86-112%
460-00-4	4-Bromofluorobenzene	103%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F29621-5	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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	F008367.D	1	02/09/05	ME	02/04/05	OP12440	SF489
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	14	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	2.9	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:	F29621-5	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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	4.8	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	1.9	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	33%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	84%		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:	F29621-5	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
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	61%		49-119%
321-60-8	2-Fluorobiphenyl	71%		45-118%
1718-51-0	Terphenyl-d14	75%		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:	F29621-5	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
		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	7000	300	48	ug/l	1	02/07/05	02/08/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4201
(2) Prep QC Batch: MP7678

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:	F29621-5	**Date Sampled:**	02/02/05
Matrix:	AQ - Ground Water	**Date Received:**	02/03/05
		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	994	4.0	mg/l	1	02/14/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST JOB #: F29621
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.: 7030-226
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	NaOH	HNO3	H2SO4	NONE	VOCs - 8260	VOCs - 624	SVOCs - 625	Fe + Hardness	LAB USE ONLY
1	PIN20-RW01-N001	2-2-05	0952	JPC	GW	3	3					3				
2	PIN20-RW02-N001	↓	0956	↓	↓	3	3					3				
3	PIN20-RW03-N001		0959			3	3					3				
4	PIN20-TRTI-N001		1005			4	3	1					3		1	
5	PIN20-TRTE-N001	↓	1009	↓	↓	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. [signature]	2-2-05 / 1424	1. [signature] 2/2/05 14:25	2. [signature] 2/2/05	16:45	2. [signature] 2/3/05 08:[illegible]
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

F29621: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SOUTHEAST SAMPLE RECEIPT CONFIRMATION

Accutest's Job Number: F29621

Client: S.M. Stoller Project: Star center - M. 6

Date Received: 2/3/05 Time Received: 08:00

# of Coolers Received: 1 Cooler Temperatures: 2-6

Delivery Method: FedEx UPS Accutest Courier Greyhound Delivery Other

Air Bill Number:

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

Summary of Comments:

Signature: Carlos H Date: 2/3/05

Review Signature:

ASBD 12/30/03

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: F29621
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
VC1242-MB	C0030258.D	1	02/09/05	KW	n/a	n/a	VC1242

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

F29621-4, F29621-5

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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F29621
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
VC1242-MB	C0030258.D	1	02/09/05	KW	n/a	n/a	VC1242

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

F29621-4, F29621-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	100%	73-126%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	101%	83-119%

Method Blank Summary

Job Number: F29621
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
VJ572-MB	J013601.D	1	02/07/05	RM	n/a	n/a	VJ572

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

F29621-1

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F29621
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
VJ572-MB	J013601.D	1	02/07/05	RM	n/a	n/a	VJ572

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

F29621-1

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	106%	86-115%
17060-07-0	1,2-Dichloroethane-D4	103%	73-126%
2037-26-5	Toluene-D8	88%	86-112%
460-00-4	4-Bromofluorobenzene	94%	83-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
	Total TIC, Volatile [a]		0	ug/l	

(a) No TICs detected.

Method Blank Summary

Job Number: F29621
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
VC1241-MB	C0030232.D	1	02/08/05	KW	n/a	n/a	VC1241

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

F29621-2, F29621-3

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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F29621
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
VC1241-MB	C0030232.D	1	02/08/05	KW	n/a	n/a	VC1241

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

F29621-2, F29621-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	86-115%
17060-07-0	1,2-Dichloroethane-D4	108%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	105%	83-119%

Blank Spike Summary

Job Number: F29621
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
VC1242-BS	C0030257.D	1	02/09/05	KW	n/a	n/a	VC1242

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

F29621-4, F29621-5

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	24.2	97	75-120
75-25-2	Bromoform	25	18.9	76	60-129
108-90-7	Chlorobenzene	25	24.5	98	82-112
75-00-3	Chloroethane	25	30.0	120	67-148
67-66-3	Chloroform	25	25.2	101	78-118
110-75-8	2-Chloroethyl vinyl ether	125	121	97	23-132
56-23-5	Carbon tetrachloride	25	27.7	111	69-137
75-34-3	1,1-Dichloroethane	25	25.6	102	75-117
75-35-4	1,1-Dichloroethylene	25	25.1	100	67-134
107-06-2	1,2-Dichloroethane	25	25.7	103	68-121
78-87-5	1,2-Dichloropropane	25	25.5	102	78-122
124-48-1	Dibromochloromethane	25	22.9	92	68-118
75-71-8	Dichlorodifluoromethane	25	28.5	114	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.1	100	81-120
10061-01-5	cis-1,3-Dichloropropene	25	22.4	90	73-115
541-73-1	m-Dichlorobenzene	25	23.6	94	78-116
95-50-1	o-Dichlorobenzene	25	23.4	94	77-115
106-46-7	p-Dichlorobenzene	25	23.2	93	77-113
156-60-5	trans-1,2-Dichloroethylene	25	25.6	102	74-125
10061-02-6	trans-1,3-Dichloropropene	25	21.9	88	69-115
100-41-4	Ethylbenzene	25	25.2	101	82-115
74-83-9	Methyl bromide	25	28.1	112	60-165
74-87-3	Methyl chloride	25	30.9	124	58-152
75-09-2	Methylene chloride	25	22.9	92	66-125
1634-04-4	Methyl Tert Butyl Ether	25	28.4	114	67-127
71-55-6	1,1,1-Trichloroethane	25	27.3	109	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	18.3	73	67-119
79-00-5	1,1,2-Trichloroethane	25	23.5	94	74-115
127-18-4	Tetrachloroethylene	25	25.2	101	75-126
108-88-3	Toluene	25	24.3	97	81-114
79-01-6	Trichloroethylene	25	25.6	102	80-115
75-69-4	Trichlorofluoromethane	25	27.6	110	65-163
75-01-4	Vinyl chloride	25	33.1	132	70-151
	m,p-Xylene	50	50.4	101	83-118
95-47-6	o-Xylene	25	25.3	101	77-119

Blank Spike Summary

Job Number: F29621
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
VC1242-BS	C0030257.D	1	02/09/05	KW	n/a	n/a	VC1242

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

F29621-4, F29621-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	86-115%
17060-07-0	1,2-Dichloroethane-D4	110%	73-126%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	95%	83-119%

Blank Spike Summary

Job Number: F29621
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
VJ572-BS	J013602.D	1	02/07/05	RM	n/a	n/a	VJ572

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

F29621-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	22.9	92	80-120
75-27-4	Bromodichloromethane	25	22.6	90	75-120
75-25-2	Bromoform	25	24.3	97	60-129
108-90-7	Chlorobenzene	25	22.4	90	82-112
75-00-3	Chloroethane	25	20.7	83	67-148
67-66-3	Chloroform	25	22.8	91	78-118
110-75-8	2-Chloroethyl vinyl ether	125	106	85	23-132
56-23-5	Carbon tetrachloride	25	23.9	96	69-137
75-34-3	1,1-Dichloroethane	25	23.0	92	75-117
75-35-4	1,1-Dichloroethylene	25	23.2	93	67-134
107-06-2	1,2-Dichloroethane	25	21.7	87	68-121
78-87-5	1,2-Dichloropropane	25	22.3	89	78-122
124-48-1	Dibromochloromethane	25	23.1	92	68-118
75-71-8	Dichlorodifluoromethane	25	28.4	114	43-173
156-59-2	cis-1,2-Dichloroethylene	25	23.5	94	81-120
10061-01-5	cis-1,3-Dichloropropene	25	22.2	89	73-115
541-73-1	m-Dichlorobenzene	25	22.8	91	78-116
95-50-1	o-Dichlorobenzene	25	23.7	95	77-115
106-46-7	p-Dichlorobenzene	25	21.9	88	77-113
156-60-5	trans-1,2-Dichloroethylene	25	22.1	88	74-125
10061-02-6	trans-1,3-Dichloropropene	25	22.7	91	69-115
100-41-4	Ethylbenzene	25	21.4	86	82-115
74-83-9	Methyl bromide	25	21.2	85	60-165
74-87-3	Methyl chloride	25	24.5	98	58-152
75-09-2	Methylene chloride	25	20.9	84	66-125
1634-04-4	Methyl Tert Butyl Ether	25	27.0	108	67-127
71-55-6	1,1,1-Trichloroethane	25	23.0	92	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	24.3	97	67-119
79-00-5	1,1,2-Trichloroethane	25	22.8	91	74-115
127-18-4	Tetrachloroethylene	25	22.4	90	75-126
108-88-3	Toluene	25	21.7	87	81-114
79-01-6	Trichloroethylene	25	22.8	91	80-115
75-69-4	Trichlorofluoromethane	25	22.0	88	65-163
75-01-4	Vinyl chloride	25	23.3	93	70-151
	m,p-Xylene	50	44.1	88	83-118
95-47-6	o-Xylene	25	21.8	87	77-119

Blank Spike Summary

Job Number: F29621
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
VJ572-BS	J013602.D	1	02/07/05	RM	n/a	n/a	VJ572

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

F29621-1

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	101%	73-126%
2037-26-5	Toluene-D8	94%	86-112%
460-00-4	4-Bromofluorobenzene	96%	83-119%

Blank Spike Summary

Job Number: F29621
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
VC1241-BS	C0030231.D	1	02/08/05	KW	n/a	n/a	VC1241

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

F29621-2, F29621-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	26.1	104	80-120
75-27-4	Bromodichloromethane	25	27.0	108	75-120
75-25-2	Bromoform	25	26.8	107	60-129
108-90-7	Chlorobenzene	25	26.1	104	82-112
75-00-3	Chloroethane	25	23.9	96	67-148
67-66-3	Chloroform	25	26.6	106	78-118
110-75-8	2-Chloroethyl vinyl ether	125	141	113	23-132
56-23-5	Carbon tetrachloride	25	28.0	112	69-137
75-34-3	1,1-Dichloroethane	25	26.8	107	75-117
75-35-4	1,1-Dichloroethylene	25	25.5	102	67-134
107-06-2	1,2-Dichloroethane	25	26.0	104	68-121
78-87-5	1,2-Dichloropropane	25	26.1	104	78-122
124-48-1	Dibromochloromethane	25	26.4	106	68-118
75-71-8	Dichlorodifluoromethane	25	28.2	113	43-173
156-59-2	cis-1,2-Dichloroethylene	25	26.1	104	81-120
10061-01-5	cis-1,3-Dichloropropene	25	25.6	102	73-115
541-73-1	m-Dichlorobenzene	25	25.9	104	78-116
95-50-1	o-Dichlorobenzene	25	25.1	100	77-115
106-46-7	p-Dichlorobenzene	25	24.7	99	77-113
156-60-5	trans-1,2-Dichloroethylene	25	26.0	104	74-125
10061-02-6	trans-1,3-Dichloropropene	25	27.0	108	69-115
100-41-4	Ethylbenzene	25	27.1	108	82-115
74-83-9	Methyl bromide	25	25.3	101	60-165
74-87-3	Methyl chloride	25	21.7	87	58-152
75-09-2	Methylene chloride	25	23.3	93	66-125
1634-04-4	Methyl Tert Butyl Ether	25	30.7	123	67-127
71-55-6	1,1,1-Trichloroethane	25	27.6	110	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	25.1	100	67-119
79-00-5	1,1,2-Trichloroethane	25	26.2	105	74-115
127-18-4	Tetrachloroethylene	25	27.8	111	75-126
108-88-3	Toluene	25	26.6	106	81-114
79-01-6	Trichloroethylene	25	25.8	103	80-115
75-69-4	Trichlorofluoromethane	25	25.4	102	65-163
75-01-4	Vinyl chloride	25	23.3	93	70-151
	m,p-Xylene	50	53.3	107	83-118
95-47-6	o-Xylene	25	26.9	108	77-119

Blank Spike Summary

Job Number: F29621
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
VC1241-BS	C0030231.D	1	02/08/05	KW	n/a	n/a	VC1241

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

F29621-2, F29621-3

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	73-126%
2037-26-5	Toluene-D8	104%	86-112%
460-00-4	4-Bromofluorobenzene	101%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
F29624-3MS	C0030263.D	20	02/09/05	KW	n/a	n/a	VC1242
F29624-3MSD	C0030264.D	20	02/09/05	KW	n/a	n/a	VC1242
F29624-3	C0030261.D	20	02/09/05	KW	n/a	n/a	VC1242

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

F29621-4, F29621-5

CAS No.	Compound	F29624-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	485	97	476	95	2	72-125/7
75-27-4	Bromodichloromethane	ND		500	467	93	460	92	2	72-120/8
75-25-2	Bromoform	ND		500	338	68	347	69	3	55-127/11
108-90-7	Chlorobenzene	ND		500	467	93	467	93	0	79-113/7
75-00-3	Chloroethane	ND		500	670	134	684	137	2	56-164/14
67-66-3	Chloroform	ND		500	497	99	491	98	1	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		2500	1030	41	837	33	21*	8-137/18
56-23-5	Carbon tetrachloride	ND		500	528	106	532	106	1	56-145/12
75-34-3	1,1-Dichloroethane	ND		500	498	100	492	98	1	70-122/10
75-35-4	1,1-Dichloroethylene	16.6	J	500	517	100	529	102	2	61-137/15
107-06-2	1,2-Dichloroethane	ND		500	510	102	520	104	2	64-124/7
78-87-5	1,2-Dichloropropane	ND		500	495	99	495	99	0	74-123/8
124-48-1	Dibromochloromethane	ND		500	430	86	439	88	2	63-119/9
75-71-8	Dichlorodifluoromethane	ND		500	601	120	631	126	5	35-184/21
156-59-2	cis-1,2-Dichloroethylene	1450		500	1940	98	1940	98	0	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		500	439	88	439	88	0	65-112/10
541-73-1	m-Dichlorobenzene	ND		500	458	92	458	92	0	74-114/7
95-50-1	o-Dichlorobenzene	ND		500	464	93	460	92	1	73-114/8
106-46-7	p-Dichlorobenzene	ND		500	451	90	451	90	0	74-112/7
156-60-5	trans-1,2-Dichloroethylene	34.6		500	522	97	527	98	1	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		500	421	84	427	85	1	59-116/11
100-41-4	Ethylbenzene	ND		500	470	94	475	95	1	73-119/8
74-83-9	Methyl bromide	ND		500	609	122	626	125	3	52-172/16
74-87-3	Methyl chloride	ND		500	670	134	692	138	3	53-155/19
75-09-2	Methylene chloride	ND		500	483	97	485	97	0	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		500	554	111	552	110	0	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		500	518	104	521	104	1	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	415	83	416	83	0	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		500	448	90	462	92	3	72-116/9
127-18-4	Tetrachloroethylene	ND		500	460	92	456	91	1	70-126/9
108-88-3	Toluene	ND		500	465	93	459	92	1	67-123/8
79-01-6	Trichloroethylene	1230		500	1690	92	1670	88	1	73-117/10
75-69-4	Trichlorofluoromethane	ND		500	542	108	554	111	2	52-164/16
75-01-4	Vinyl chloride	219		500	929	142	929	142	0	63-161/18
	m,p-Xylene	ND		1000	959	96	952	95	1	74-123/7
95-47-6	o-Xylene	ND		500	475	95	474	95	0	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
F29624-3MS	C0030263.D	20	02/09/05	KW	n/a	n/a	VC1242
F29624-3MSD	C0030264.D	20	02/09/05	KW	n/a	n/a	VC1242
F29624-3	C0030261.D	20	02/09/05	KW	n/a	n/a	VC1242

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

F29621-4, F29621-5

CAS No.	Surrogate Recoveries	MS	MSD	F29624-3	Limits
1868-53-7	Dibromofluoromethane	106%	107%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	109%	110%	105%	73-126%
2037-26-5	Toluene-D8	98%	97%	94%	86-112%
460-00-4	4-Bromofluorobenzene	95%	94%	103%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
F29650-2MS	J013609.D	1	02/07/05	RM	n/a	n/a	VJ572
F29650-2MSD	J013610.D	1	02/07/05	RM	n/a	n/a	VJ572
F29650-2 [a]	J013608.D	1	02/07/05	RM	n/a	n/a	VJ572

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

F29621-1

CAS No.	Compound	F29650-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	21.4		25	37.1	63*	37.6	65*	1	72-125/7
75-27-4	Bromodichloromethane	1.0 U		25	22.6	90	22.5	90	0	72-120/8
75-25-2	Bromoform	1.0 U		25	22.9	92	23.0	92	0	55-127/11
108-90-7	Chlorobenzene	1.0 U		25	22.2	89	22.3	89	0	79-113/7
75-00-3	Chloroethane	2.0 U		25	18.1	72	17.9	72	1	56-164/14
67-66-3	Chloroform	1.0 U		25	22.2	89	22.3	89	0	75-120/8
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	21.1	17	ND	0*	200*	8-137/18
56-23-5	Carbon tetrachloride	1.0 U		25	23.1	92	23.3	93	1	56-145/12
75-34-3	1,1-Dichloroethane	1.0 U		25	22.2	89	22.3	89	0	70-122/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	22.5	90	22.5	90	0	61-137/15
107-06-2	1,2-Dichloroethane	1.0 U		25	21.4	86	21.5	86	0	64-124/7
78-87-5	1,2-Dichloropropane	1.0 U		25	22.1	88	22.1	88	0	74-123/8
124-48-1	Dibromochloromethane	1.0 U		25	22.3	89	22.5	90	1	63-119/9
75-71-8	Dichlorodifluoromethane	1.0 U		25	27.0	108	27.2	109	1	35-184/21
156-59-2	cis-1,2-Dichloroethylene	8.7		25	30.5	87	30.7	88	1	74-125/9
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	21.8	87	22.0	88	1	65-112/10
541-73-1	m-Dichlorobenzene	1.0 U		25	22.4	90	22.9	92	2	74-114/7
95-50-1	o-Dichlorobenzene	1.0 U		25	23.1	92	23.2	93	0	73-114/8
106-46-7	p-Dichlorobenzene	1.0 U		25	21.2	85	22.0	88	4	74-112/7
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	21.3	85	21.4	86	0	70-127/11
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	21.9	88	22.2	89	1	59-116/11
100-41-4	Ethylbenzene	1.0 U		25	21.0	84	21.2	85	1	73-119/8
74-83-9	Methyl bromide	2.0 U		25	22.2	89	23.6	94	6	52-172/16
74-87-3	Methyl chloride	2.0 U		25	22.8	91	23.3	93	2	53-155/19
75-09-2	Methylene chloride	5.0 U		25	19.8	79	20.3	81	2	61-129/11
1634-04-4	Methyl Tert Butyl Ether	11.4		25	36.1	99	36.3	100	1	61-129/9
71-55-6	1,1,1-Trichloroethane	1.0 U		25	22.4	90	22.6	90	1	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	24.2	97	24.8	99	2	64-120/10
79-00-5	1,1,2-Trichloroethane	1.0 U		25	22.8	91	22.8	91	0	72-116/9
127-18-4	Tetrachloroethylene	1.0 U		25	22.1	88	22.3	89	1	70-126/9
108-88-3	Toluene	0.81	I	25	22.0	85	22.5	87	2	67-123/8
79-01-6	Trichloroethylene	1.2		25	23.5	89	23.3	88	1	73-117/10
75-69-4	Trichlorofluoromethane	2.0 U		25	22.1	88	20.4	82	8	52-164/16
75-01-4	Vinyl chloride	1.0 U		25	18.2	73	18.9	76	4	63-161/18
	m,p-Xylene	2.0 U		50	43.8	88	43.9	88	0	74-123/7
95-47-6	o-Xylene	1.0 U		25	21.8	87	21.7	87	0	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
F29650-2MS	J013609.D	1	02/07/05	RM	n/a	n/a	VJ572
F29650-2MSD	J013610.D	1	02/07/05	RM	n/a	n/a	VJ572
F29650-2 [a]	J013608.D	1	02/07/05	RM	n/a	n/a	VJ572

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

F29621-1

CAS No.	Surrogate Recoveries	MS	MSD	F29650-2	Limits
1868-53-7	Dibromofluoromethane	101%	101%	107%	86-115%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	101%	73-126%
2037-26-5	Toluene-D8	93%	94%	86%	86-112%
460-00-4	4-Bromofluorobenzene	96%	98%	94%	83-119%

(a) Confirmation run.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
F29655-5MS	C0030242.D	1	02/08/05	KW	n/a	n/a	VC1241
F29655-5MSD	C0030243.D	1	02/08/05	KW	n/a	n/a	VC1241
F29655-5	C0030237.D	1	02/08/05	KW	n/a	n/a	VC1241

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

F29621-2, F29621-3

CAS No.	Compound	F29655-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.7		25	25.9	97	25.6	96	1	72-125/7
75-27-4	Bromodichloromethane	ND		25	24.1	96	24.8	99	3	72-120/8
75-25-2	Bromoform	ND		25	22.7	91	23.3	93	3	55-127/11
108-90-7	Chlorobenzene	ND		25	24.4	98	24.4	98	0	79-113/7
75-00-3	Chloroethane	6.5		25	32.9	106	31.4	100	5	56-164/14
67-66-3	Chloroform	ND		25	25.1	100	24.9	100	1	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	8-137/18
56-23-5	Carbon tetrachloride	ND		25	25.6	102	25.3	101	1	56-145/12
75-34-3	1,1-Dichloroethane	ND		25	24.8	99	24.2	97	2	70-122/10
75-35-4	1,1-Dichloroethylene	ND		25	24.8	99	24.1	96	3	61-137/15
107-06-2	1,2-Dichloroethane	ND		25	24.6	98	24.9	100	1	64-124/7
78-87-5	1,2-Dichloropropane	ND		25	25.0	100	25.2	101	1	74-123/8
124-48-1	Dibromochloromethane	ND		25	24.5	98	24.7	99	1	63-119/9
75-71-8	Dichlorodifluoromethane	ND		25	29.4	118	29.2	117	1	35-184/21
156-59-2	cis-1,2-Dichloroethylene	ND		25	24.4	98	24.2	97	1	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		25	24.5	98	23.8	95	3	65-112/10
541-73-1	m-Dichlorobenzene	ND		25	23.9	96	23.5	94	2	74-114/7
95-50-1	o-Dichlorobenzene	ND		25	24.1	96	23.4	94	3	73-114/8
106-46-7	p-Dichlorobenzene	ND		25	23.0	92	22.6	90	2	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		25	23.7	95	23.7	95	0	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		25	23.8	95	24.6	98	3	59-116/11
100-41-4	Ethylbenzene	ND		25	25.4	102	25.5	102	0	73-119/8
74-83-9	Methyl bromide	ND		25	25.5	102	24.8	99	3	52-172/16
74-87-3	Methyl chloride	ND		25	27.9	112	26.0	104	7	53-155/19
75-09-2	Methylene chloride	ND		25	23.6	94	22.9	92	3	61-129/11
1634-04-4	Methyl Tert Butyl Ether	2.0		25	28.4	106	29.1	108	2	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		25	24.8	99	24.8	99	0	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	22.1	88	21.8	87	1	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		25	23.7	95	24.3	97	3	72-116/9
127-18-4	Tetrachloroethylene	ND		25	25.3	101	25.1	100	1	70-126/9
108-88-3	Toluene	1.1		25	25.6	98	25.6	98	0	67-123/8
79-01-6	Trichloroethylene	ND		25	23.9	96	23.5	94	2	73-117/10
75-69-4	Trichlorofluoromethane	ND		25	25.0	100	24.9	100	0	52-164/16
75-01-4	Vinyl chloride	ND		25	25.9	104	25.3	101	2	63-161/18
	m,p-Xylene	1.1	J	50	51.4	101	51.0	100	1	74-123/7
95-47-6	o-Xylene	0.87	J	25	26.1	101	25.8	100	1	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
F29655-5MS	C0030242.D	1	02/08/05	KW	n/a	n/a	VC1241
F29655-5MSD	C0030243.D	1	02/08/05	KW	n/a	n/a	VC1241
F29655-5	C0030237.D	1	02/08/05	KW	n/a	n/a	VC1241

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

F29621-2, F29621-3

CAS No.	Surrogate Recoveries	MS	MSD	F29655-5	Limits
1868-53-7	Dibromofluoromethane	102%	103%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	107%	109%	104%	73-126%
2037-26-5	Toluene-D8	101%	102%	100%	86-112%
460-00-4	4-Bromofluorobenzene	100%	98%	102%	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: F29621
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
OP12440-MB	F008336.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	15	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	3.0	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: F29621
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
OP12440-MB	F008336.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

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	5.0	2.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	2.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	2.0	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	57%	19-90%
4165-62-2	Phenol-d5	44%	10-68%

Method Blank Summary

Job Number: F29621
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
OP12440-MB	F008336.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	91%	36-137%
4165-60-0	Nitrobenzene-d5	78%	49-119%
321-60-8	2-Fluorobiphenyl	79%	45-118%
1718-51-0	Terphenyl-d14	70%	46-135%

Method Blank Summary

Job Number: F29621
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
OP12440-MB	F008365.D	1	02/08/05	ME	02/04/05	OP12440	SF489

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

F29621-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	14	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	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	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	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	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	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	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	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	ug/l	
86-74-8	Carbazole	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	ug/l	
111-44-4	bis(2-Chloroethyl)ether	ND	4.8	1.9	ug/l	
108-60-1	bis(2-Chloroisopropyl)ether	ND	4.8	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	

Method Blank Summary

Job Number: F29621
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
OP12440-MB	F008365.D	1	02/08/05	ME	02/04/05	OP12440	SF489

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

F29621-5

CAS No.	Compound	Result	RL	MDL	Units	Q
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	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	9.5	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	0.95	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	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	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	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	1.9	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	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	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	56%	19-90%
4165-62-2	Phenol-d5	40%	10-68%

Method Blank Summary

Job Number: F29621
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
OP12440-MB	F008365.D	1	02/08/05	ME	02/04/05	OP12440	SF489

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

F29621-5

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

Blank Spike Summary

Job Number: F29621
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
OP12440-BS	F008335.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	20.2	20	8-45
95-57-8	2-Chlorophenol	50	39.3	79	62-103
59-50-7	4-Chloro-3-methyl phenol	50	45.4	91	64-103
120-83-2	2,4-Dichlorophenol	50	42.4	85	59-103
105-67-9	2,4-Dimethylphenol	50	32.6	65	43-94
51-28-5	2,4-Dinitrophenol	100	58.3	58	12-125
534-52-1	4,6-Dinitro-o-cresol	100	65.7	66	47-119
95-48-7	2-Methylphenol	50	37.2	74	54-91
	3&4-Methylphenol	100	70.0	70	48-86
88-75-5	2-Nitrophenol	50	39.6	79	64-104
100-02-7	4-Nitrophenol	100	49.7	50	22-50
87-86-5	Pentachlorophenol	100	120	120*	50-111
108-95-2	Phenol	50	21.0	42	25-53
95-95-4	2,4,5-Trichlorophenol	50	42.8	86	66-104
88-06-2	2,4,6-Trichlorophenol	50	42.4	85	60-103
83-32-9	Acenaphthene	50	41.7	83	62-101
208-96-8	Acenaphthylene	50	42.0	84	65-113
120-12-7	Anthracene	50	44.4	89	69-107
56-55-3	Benzo(a)anthracene	50	43.5	87	68-106
50-32-8	Benzo(a)pyrene	50	43.4	87	70-114
205-99-2	Benzo(b)fluoranthene	50	42.4	85	68-110
191-24-2	Benzo(g,h,i)perylene	50	39.6	79	63-115
207-08-9	Benzo(k)fluoranthene	50	44.5	89	68-112
101-55-3	4-Bromophenyl phenyl ether	50	39.2	78	73-103
85-68-7	Butyl benzyl phthalate	50	40.1	80	69-108
100-51-6	Benzyl Alcohol	50	40.2	80	34-104
91-58-7	2-Chloronaphthalene	50	39.2	78	64-102
106-47-8	4-Chloroaniline	50	37.2	74	57-104
86-74-8	Carbazole	50	48.7	97	69-113
218-01-9	Chrysene	50	44.3	89	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	36.1	72	57-103
111-44-4	bis(2-Chloroethyl)ether	50	41.4	83	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	42.8	86	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.8	88	71-104
95-50-1	1,2-Dichlorobenzene	50	37.9	76	62-100
541-73-1	1,3-Dichlorobenzene	50	35.2	70	59-99

Blank Spike Summary

Job Number: F29621
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
OP12440-BS	F008335.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	36.1	72	60-101
121-14-2	2,4-Dinitrotoluene	50	46.8	94	65-111
606-20-2	2,6-Dinitrotoluene	50	40.2	80	77-111
91-94-1	3,3'-Dichlorobenzidine	50	41.3	83	42-110
53-70-3	Dibenzo(a,h)anthracene	50	37.7	75	62-115
132-64-9	Dibenzofuran	50	44.6	89	69-104
84-74-2	Di-n-butyl phthalate	50	44.6	89	68-109
117-84-0	Di-n-octyl phthalate	50	43.6	87	63-120
84-66-2	Diethyl phthalate	50	44.7	89	64-110
131-11-3	Dimethyl phthalate	50	41.9	84	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	41.9	84	64-115
206-44-0	Fluoranthene	50	52.2	104	68-111
86-73-7	Fluorene	50	44.9	90	66-105
118-74-1	Hexachlorobenzene	50	41.9	84	69-103
87-68-3	Hexachlorobutadiene	50	34.1	68	55-90
77-47-4	Hexachlorocyclopentadiene	50	10.0	20*	26-95
67-72-1	Hexachloroethane	50	33.2	66	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	40.8	82	63-118
78-59-1	Isophorone	50	39.6	79	64-107
91-57-6	2-Methylnaphthalene	50	41.0	82	66-100
88-74-4	2-Nitroaniline	50	42.8	86	65-111
99-09-2	3-Nitroaniline	50	46.0	92	61-106
100-01-6	4-Nitroaniline	50	52.1	104	60-113
91-20-3	Naphthalene	50	38.7	77	62-101
98-95-3	Nitrobenzene	50	39.4	79	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	42.4	85	64-109
86-30-6	N-Nitrosodiphenylamine	50	40.1	80	69-114
85-01-8	Phenanthrene	50	44.3	89	68-104
129-00-0	Pyrene	50	38.8	78	64-105
120-82-1	1,2,4-Trichlorobenzene	50	36.2	72	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	54%	19-90%
4165-62-2	Phenol-d5	42%	10-68%

Blank Spike Summary

Job Number: F29621
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
OP12440-BS	F008335.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	87%	36-137%
4165-60-0	Nitrobenzene-d5	77%	49-119%
321-60-8	2-Fluorobiphenyl	81%	45-118%
1718-51-0	Terphenyl-d14	75%	46-135%

Blank Spike Summary

Job Number: F29621
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
OP12440-BS	F008364.D	1	02/08/05	ME	02/04/05	OP12440	SF489

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

F29621-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	95.2	17.8	19	8-45
95-57-8	2-Chlorophenol	47.6	36.9	77	62-103
59-50-7	4-Chloro-3-methyl phenol	47.6	40.3	85	64-103
120-83-2	2,4-Dichlorophenol	47.6	39.4	83	59-103
105-67-9	2,4-Dimethylphenol	47.6	30.4	64	43-94
51-28-5	2,4-Dinitrophenol	95.2	75.2	79	12-125
534-52-1	4,6-Dinitro-o-cresol	95.2	86.6	91	47-119
95-48-7	2-Methylphenol	47.6	33.5	70	54-91
	3&4-Methylphenol	95.2	61.3	64	48-86
88-75-5	2-Nitrophenol	47.6	38.4	81	64-104
100-02-7	4-Nitrophenol	95.2	39.5	41	22-50
87-86-5	Pentachlorophenol	95.2	103	108	50-111
108-95-2	Phenol	47.6	18.9	40	25-53
95-95-4	2,4,5-Trichlorophenol	47.6	39.0	82	66-104
88-06-2	2,4,6-Trichlorophenol	47.6	39.7	83	60-103
83-32-9	Acenaphthene	47.6	39.4	83	62-101
208-96-8	Acenaphthylene	47.6	40.1	84	65-113
120-12-7	Anthracene	47.6	41.8	88	69-107
56-55-3	Benzo(a)anthracene	47.6	40.2	84	68-106
50-32-8	Benzo(a)pyrene	47.6	41.1	86	70-114
205-99-2	Benzo(b)fluoranthene	47.6	41.2	87	68-110
191-24-2	Benzo(g,h,i)perylene	47.6	42.0	88	63-115
207-08-9	Benzo(k)fluoranthene	47.6	41.9	88	68-112
101-55-3	4-Bromophenyl phenyl ether	47.6	39.9	84	73-103
85-68-7	Butyl benzyl phthalate	47.6	40.2	84	69-108
100-51-6	Benzyl Alcohol	47.6	36.3	76	34-104
91-58-7	2-Chloronaphthalene	47.6	37.8	79	64-102
106-47-8	4-Chloroaniline	47.6	36.6	77	57-104
86-74-8	Carbazole	47.6	43.8	92	69-113
218-01-9	Chrysene	47.6	40.9	86	68-103
111-91-1	bis(2-Chloroethoxy)methane	47.6	35.5	75	57-103
111-44-4	bis(2-Chloroethyl)ether	47.6	39.7	83	64-106
108-60-1	bis(2-Chloroisopropyl)ether	47.6	38.9	82	52-120
7005-72-3	4-Chlorophenyl phenyl ether	47.6	41.2	87	71-104
95-50-1	1,2-Dichlorobenzene	47.6	35.6	75	62-100
541-73-1	1,3-Dichlorobenzene	47.6	33.9	71	59-99

Blank Spike Summary

Job Number: F29621
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
OP12440-BS	F008364.D	1	02/08/05	ME	02/04/05	OP12440	SF489

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

F29621-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	47.6	34.1	72	60-101
121-14-2	2,4-Dinitrotoluene	47.6	42.5	89	65-111
606-20-2	2,6-Dinitrotoluene	47.6	39.0	82	77-111
91-94-1	3,3'-Dichlorobenzidine	47.6	35.8	75	42-110
53-70-3	Dibenzo(a,h)anthracene	47.6	37.2	78	62-115
132-64-9	Dibenzofuran	47.6	41.6	87	69-104
84-74-2	Di-n-butyl phthalate	47.6	42.4	89	68-109
117-84-0	Di-n-octyl phthalate	47.6	44.9	94	63-120
84-66-2	Diethyl phthalate	47.6	42.3	89	64-110
131-11-3	Dimethyl phthalate	47.6	40.4	85	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	47.6	41.8	88	64-115
206-44-0	Fluoranthene	47.6	44.8	94	68-111
86-73-7	Fluorene	47.6	41.2	87	66-105
118-74-1	Hexachlorobenzene	47.6	40.4	85	69-103
87-68-3	Hexachlorobutadiene	47.6	33.6	71	55-90
77-47-4	Hexachlorocyclopentadiene	47.6	17.4	37	26-95
67-72-1	Hexachloroethane	47.6	32.6	68	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	47.6	41.1	86	63-118
78-59-1	Isophorone	47.6	38.4	81	64-107
91-57-6	2-Methylnaphthalene	47.6	38.8	81	66-100
88-74-4	2-Nitroaniline	47.6	40.8	86	65-111
99-09-2	3-Nitroaniline	47.6	41.8	88	61-106
100-01-6	4-Nitroaniline	47.6	43.5	91	60-113
91-20-3	Naphthalene	47.6	37.5	79	62-101
98-95-3	Nitrobenzene	47.6	40.5	85	61-106
621-64-7	N-Nitroso-di-n-propylamine	47.6	39.3	83	64-109
86-30-6	N-Nitrosodiphenylamine	47.6	40.6	85	69-114
85-01-8	Phenanthrene	47.6	42.3	89	68-104
129-00-0	Pyrene	47.6	38.9	82	64-105
120-82-1	1,2,4-Trichlorobenzene	47.6	34.9	73	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	54%	19-90%
4165-62-2	Phenol-d5	40%	10-68%

Blank Spike Summary

Job Number: F29621
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
OP12440-BS	F008364.D	1	02/08/05	ME	02/04/05	OP12440	SF489

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

F29621-5

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	87%	36-137%
4165-60-0	Nitrobenzene-d5	80%	49-119%
321-60-8	2-Fluorobiphenyl	83%	45-118%
1718-51-0	Terphenyl-d14	82%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
OP12440-MS	F008340.D	1	02/08/05	ME	02/04/05	OP12440	SF488
OP12440-MSD	F008341.D	1	02/08/05	ME	02/04/05	OP12440	SF488
F29559-5	F008339.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Compound	F29559-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		192	51.7	27	60.1	31	15	16-73/41
95-57-8	2-Chlorophenol	ND		96.2	69.4	72	74.7	78	7	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	80.0	83	86.0	89	7	60-101/18
120-83-2	2,4-Dichlorophenol	ND		96.2	75.0	78	82.9	86	10	55-100/24
105-67-9	2,4-Dimethylphenol	ND		96.2	62.1	65	67.2	70	8	36-98/26
51-28-5	2,4-Dinitrophenol	ND		192	135	70	148	77	9	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		192	147	76	153	80	4	40-127/24
95-48-7	2-Methylphenol	ND		96.2	64.4	67	72.0	75	11	46-100/23
	3&4-Methylphenol	ND		192	125	65	140	73	11	43-100/23
88-75-5	2-Nitrophenol	ND		96.2	70.7	74	75.9	79	7	53-104/25
100-02-7	4-Nitrophenol	ND		192	110	57	119	62	8	32-81/28
87-86-5	Pentachlorophenol	ND		192	225	117	227	118	1	44-118/16
108-95-2	Phenol	ND		96.2	43.3	45	48.1	50	11	31-77/26
95-95-4	2,4,5-Trichlorophenol	ND		96.2	79.7	83	82.9	86	4	61-102/18
88-06-2	2,4,6-Trichlorophenol	ND		96.2	80.3	84	81.6	85	2	55-103/21
83-32-9	Acenaphthene	ND		96.2	76.8	80	79.8	83	4	55-103/20
208-96-8	Acenaphthylene	ND		96.2	78.4	82	81.0	84	3	55-113/20
120-12-7	Anthracene	ND		96.2	84.4	88	85.8	89	2	66-105/14
56-55-3	Benzo(a)anthracene	ND		96.2	83.8	87	83.4	87	0	65-103/16
50-32-8	Benzo(a)pyrene	ND		96.2	85.7	89	84.7	88	1	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		96.2	87.8	91	83.0	86	6	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		96.2	75.4	78	75.5	79	0	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		96.2	91.8	95	87.2	91	5	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	79.3	82	77.6	81	2	68-102/16
85-68-7	Butyl benzyl phthalate	ND		96.2	81.3	85	75.9	79	7	65-108/17
100-51-6	Benzyl Alcohol	ND		96.2	72.3	75	81.2	84	12	48-106/24
91-58-7	2-Chloronaphthalene	ND		96.2	73.7	77	77.0	80	4	58-101/22
106-47-8	4-Chloroaniline	ND		96.2	68.0	71	75.4	78	10	39-101/21
86-74-8	Carbazole	ND		96.2	90.7	94	93.8	98	3	66-109/16
218-01-9	Chrysene	ND		96.2	85.0	88	84.9	88	0	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	65.8	68	69.5	72	5	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	75.3	78	82.6	86	9	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	73.7	77	81.1	84	10	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	81.6	85	84.2	88	3	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		96.2	69.2	72	76.4	79	10	50-101/22
541-73-1	1,3-Dichlorobenzene	ND		96.2	66.7	69	71.8	75	7	50-100/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
OP12440-MS	F008340.D	1	02/08/05	ME	02/04/05	OP12440	SF488
OP12440-MSD	F008341.D	1	02/08/05	ME	02/04/05	OP12440	SF488
F29559-5	F008339.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Compound	F29559-5 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		96.2	67.6	70	73.1	76	8	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		96.2	83.7	87	87.9	91	5	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		96.2	76.9	80	79.2	82	3	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	60.6	63	64.1	67	6	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	70.7	74	71.3	74	1	57-111/20
132-64-9	Dibenzofuran	ND		96.2	82.1	85	84.7	88	3	64-102/17
84-74-2	Di-n-butyl phthalate	ND		96.2	86.6	90	87.2	91	1	63-107/17
117-84-0	Di-n-octyl phthalate	ND		96.2	109	113	84.8	88	25*	58-126/23
84-66-2	Diethyl phthalate	ND		96.2	84.4	88	86.5	90	2	59-110/18
131-11-3	Dimethyl phthalate	ND		96.2	79.3	82	79.9	83	1	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	85.5	89	79.5	83	7	55-120/22
206-44-0	Fluoranthene	ND		96.2	95.0	99	98.8	103	4	62-108/17
86-73-7	Fluorene	ND		96.2	82.1	85	85.5	89	4	60-105/17
118-74-1	Hexachlorobenzene	ND		96.2	82.6	86	81.1	84	2	64-102/16
87-68-3	Hexachlorobutadiene	ND		96.2	67.5	70	71.3	74	5	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		96.2	7.3	8*	12.1	13*	49*	20-92/34
67-72-1	Hexachloroethane	ND		96.2	56.6	59	61.1	64	8	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	77.0	80	78.2	81	2	61-111/19
78-59-1	Isophorone	ND		96.2	70.9	74	75.0	78	6	59-103/23
91-57-6	2-Methylnaphthalene	ND		96.2	73.5	76	79.8	83	8	56-100/23
88-74-4	2-Nitroaniline	ND		96.2	80.2	83	83.3	87	4	61-107/18
99-09-2	3-Nitroaniline	ND		96.2	82.3	86	86.4	90	5	47-107/26
100-01-6	4-Nitroaniline	ND		96.2	87.8	91	94.7	98	8	48-119/21
91-20-3	Naphthalene	ND		96.2	71.4	74	76.9	80	7	52-102/23
98-95-3	Nitrobenzene	ND		96.2	70.2	73	76.5	80	9	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	71.7	75	78.5	82	9	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		96.2	80.7	84	79.6	83	1	62-112/16
85-01-8	Phenanthrene	ND		96.2	85.2	89	86.4	90	1	64-103/15
129-00-0	Pyrene	ND		96.2	77.3	80	72.8	76	6	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	68.6	71	73.1	76	6	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F29559-5	Limits
367-12-4	2-Fluorophenol	55%	60%	40%	19-90%
4165-62-2	Phenol-d5	46%	51%	28%	10-68%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F29621
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
OP12440-MS	F008340.D	1	02/08/05	ME	02/04/05	OP12440	SF488
OP12440-MSD	F008341.D	1	02/08/05	ME	02/04/05	OP12440	SF488
F29559-5	F008339.D	1	02/08/05	ME	02/04/05	OP12440	SF488

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

F29621-5

CAS No.	Surrogate Recoveries	MS	MSD	F29559-5	Limits
118-79-6	2,4,6-Tribromophenol	87%	86%	88%	36-137%
4165-60-0	Nitrobenzene-d5	72%	77%	80%	49-119%
321-60-8	2-Fluorobiphenyl	79%	81%	85%	45-118%
1718-51-0	Terphenyl-d14	80%	72%	76%	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: F29621
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7678
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 02/07/05

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	.44	anr	
Iron	300	7.1	17.7	<300
Lead	5.0	1.2	anr	
Magnesium	5000	9.9	anr	
Manganese	15	.16	anr	
Molybdenum	50	.75		
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	.47	anr	
Zinc	20	.59	anr	

Associated samples MP7678: F29621-4, F29621-5

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: F29621
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7678 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date:	02/07/05							02/07/05	
Metal	F29486-1A Original	DUP	RPD	QC Limits	F29486-1A 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	98.7	96.5	2.3	0-14	98.7	27400	27000	101.1	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 MP7678: F29621-4, F29621-5

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: F29621
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7678 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 02/07/05

Metal	F29486-1A 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	98.7	26800	27000	98.9	2.2	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 MP7678: F29621-4, F29621-5

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: F29621
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7678
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 02/07/05

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	26300	27000	97.4	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 MP7678: F29621-4, F29621-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: F29621
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7678
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 02/07/05

Metal	F29486-1A 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	98.7	108	9.8	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 MP7678: F29621-4, F29621-5

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

Southeast ACCUTEST Laboratories

04/11/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - 4.5 Acre Site

7030-226

Accutest Job Number: F30323

Sampling Date: 03/11/05

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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Sample Summary

S M Stoller

Job No: F30323

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F30323-1	03/11/05	09:29	JPC	03/12/05	AQ	Ground Water	PIN20-TRTE-N002*4.5 ACRE SITE

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F30323

Site: Star Center-4.5 Acre Monthly /Effluent, FL **Report Date** 3/21/2005

1 Sample was collected on 03/11/2005 and were received at Accutest on 03/12/2005 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of F30323.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:** VB1212

All method blanks for this batch meet method specific criteria.

Samples F30324-3MS, F30324-3MSD were used as the QC samples indicated.

F30323-1: 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: March 21, 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:	F30323-1	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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]	B028159.D	1	03/16/05	KW	n/a	n/a	VB1212
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	109%		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	114%		83-119%

(a) Sample collected on 03/11/05 at 09:29.
(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 #: F30323

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 Simple
LOCATION: 4.5 Acre Site
PROJECT NO.: 7030-226
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	NaOH	HNO3	H2SO4	NONE	BTEX, Total VOAs (by 624)	LAB USE ONLY
1	PINZO-TRTE-N002 * 4.5 Acre Site	3-11-05	0929	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. 3-11-05		1. 3/11/05 13:50	2. 3/11/05	16:30	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

F30323: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F30323 CLIENT: S.M Stoller PROJECT: Shop Center

DATE/TIME RECEIVED: 3/12/05 08:00 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.8

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

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

- [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
- [ ] SAMPLE RECEIVED PAST HOLD TIME
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 3/12/05 TECHNICIAN SIGNATURE/DATE [signature] 3-12-05

ASBD02/04/05

4.1

4

F30323: 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: F30323
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
VB1212-MB	B028154.D	1	03/16/05	KW	n/a	n/a	VB1212

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

F30323-1

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	109%	86-115%
17060-07-0	1,2-Dichloroethane-D4	116%	73-126%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	113%	83-119%

Blank Spike Summary

Job Number: F30323
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
VB1212-BS	B028153.D	1	03/16/05	KW	n/a	n/a	VB1212

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

F30323-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.1	100	80-120
100-41-4	Ethylbenzene	25	25.0	100	82-115
108-88-3	Toluene	25	24.3	97	81-114
	m,p-Xylene	50	50.3	101	83-118
95-47-6	o-Xylene	25	24.9	100	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	86-115%
17060-07-0	1,2-Dichloroethane-D4	121%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	103%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30323
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
F30324-3MS	B028156.D	20	03/16/05	KW	n/a	n/a	VB1212
F30324-3MSD	B028157.D	20	03/16/05	KW	n/a	n/a	VB1212
F30324-3	B028155.D	20	03/16/05	KW	n/a	n/a	VB1212

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

F30323-1

CAS No.	Compound	F30324-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	477	95	472	94	1	72-125/7
100-41-4	Ethylbenzene	ND		500	478	96	475	95	1	73-119/8
108-88-3	Toluene	ND		500	465	93	458	92	2	67-123/8
	m,p-Xylene	ND		1000	958	96	955	96	0	74-123/7
95-47-6	o-Xylene	ND		500	475	95	474	95	0	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F30324-3	Limits
1868-53-7	Dibromofluoromethane	109%	109%	109%	86-115%
17060-07-0	1,2-Dichloroethane-D4	118%	118%	116%	73-126%
2037-26-5	Toluene-D8	99%	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	104%	113%	83-119%

Southeast ACCUTEST Laboratories

04/11/05

Technical Report for

S M Stoller

Pinellas Environmental Restoration Project - Young- Rainey Star Center

7030-226

Accutest Job Number: F30325

Sampling Date: 03/11/05

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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Sample Summary

S M Stoller

Job No: F30325

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

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F30325-1	03/11/05	09:06	JPC	03/12/05	AQ	Ground Water	PIN20-RW01-N001
F30325-2	03/11/05	09:11	JPC	03/12/05	AQ	Ground Water	PIN20-RW02-N001
F30325-3	03/11/05	09:16	JPC	03/12/05	AQ	Ground Water	PIN20-RW03-N001
F30325-4	03/11/05	09:21	JPC	03/12/05	AQ	Ground Water	PIN20-TRTI-N001
F30325-5	03/11/05	09:27	JPC	03/12/05	AQ	Ground Water	PIN20-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F30325

Site: STAR Center- 4.5 Acre Site, Largo, FL **Report Date** 3/28/2005

5 Samples were collected on 03/11/2005 and were received at Accutest on 03/12/2005 properly preserved, at 3.8 Deg. C and intact. These Samples received an Accutest job number of F30325.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:** VB1212

Samples F30324-3MS, F30324-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

F30325-4: Sample was treated with an anti-foaming agent.

F30325-5: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VM172

Samples F30306-2MS, F30306-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

F30325-1: Sample was treated with an anti-foaming agent.

F30325-2: Sample was treated with an anti-foaming agent.

F30325-3: Sample was treated with an anti-foaming agent.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP12728

Samples F30324-4MS, F30324-4MSD 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:** MP7783

Sample F30322-1DUP, F30322-1MS, F30322-1MSD, F30322-1SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data 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: March 28, 2005

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F30325-1	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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]	M0003881.D	1	03/21/05	NJ	n/a	n/a	VM172
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	2.0	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW01-N001		
Lab Sample ID:	F30325-1	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	1.9	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		86-115%
17060-07-0	1,2-Dichloroethane-D4	95%		73-126%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	101%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-RW02-N001		
Lab Sample ID:	F30325-2	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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]	M0003882.D	1	03/21/05	NJ	n/a	n/a	VM172
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	2.9	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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW02-N001		
Lab Sample ID:	F30325-2	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	3.6	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	93%		73-126%
2037-26-5	Toluene-D8	95%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F30325-3	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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]	M0003883.D	1	03/21/05	NJ	n/a	n/a	VM172
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	2.2	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-RW03-N001		
Lab Sample ID:	F30325-3	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	19.5	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		86-115%
17060-07-0	1,2-Dichloroethane-D4	94%		73-126%
2037-26-5	Toluene-D8	96%		86-112%
460-00-4	4-Bromofluorobenzene	99%		83-119%

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

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F30325-4	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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]	B028161.D	1	03/16/05	KW	n/a	n/a	VB1212
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	42.6	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2.1	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTI-N001		
Lab Sample ID:	F30325-4	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	2.6	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	109%		86-115%
17060-07-0	1,2-Dichloroethane-D4	114%		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-TRTI-N001		
Lab Sample ID:	F30325-4	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
		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	7250	300	48	ug/l	1	03/16/05	03/21/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4251
(2) Prep QC Batch: MP7783

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:	F30325-4	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
		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	1020	4.0	mg/l	1	03/28/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F30325-5	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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]	B028162.D	1	03/17/05	KW	n/a	n/a	VB1212
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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	

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

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

Report of Analysis

Client Sample ID:	PIN20-TRTE-N001		
Lab Sample ID:	F30325-5	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Pinellas Environmental Restoration Project - Young- Rainey Star Center		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		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	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:	F30325-5	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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	W024106.D	1	03/18/05	ME	03/17/05	OP12728	SW1262
Run #2							

	Initial Volume	Final Volume
Run #1	1050 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	24	14	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	9.5	ug/l	
534-52-1	4,6-Dinitro-o-cresol	ND	9.5	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	9.5	ug/l	
87-86-5	Pentachlorophenol	ND	24	9.5	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	6.7	4.8	1.9	ug/l	
83-32-9	Acenaphthene	ND	4.8	0.95	ug/l	
208-96-8	Acenaphthylene	ND	4.8	0.95	ug/l	
120-12-7	Anthracene	ND	4.8	0.95	ug/l	
56-55-3	Benzo(a)anthracene	ND	4.8	0.95	ug/l	
50-32-8	Benzo(a)pyrene	ND	4.8	0.95	ug/l	
205-99-2	Benzo(b)fluoranthene	ND	4.8	0.95	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	0.95	ug/l	
101-55-3	4-Bromophenyl phenyl ether	ND	4.8	0.95	ug/l	
85-68-7	Butyl benzyl phthalate	ND	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	ND	4.8	0.95	ug/l	
91-58-7	2-Chloronaphthalene	ND	4.8	0.95	ug/l	
106-47-8	4-Chloroaniline	ND	9.5	2.9	ug/l	
86-74-8	Carbazole	ND	4.8	0.95	ug/l	
218-01-9	Chrysene	ND	4.8	0.95	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	ND	4.8	0.95	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:	F30325-5	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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	0.95	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	ND	4.8	0.95	ug/l	
95-50-1	1,2-Dichlorobenzene	ND	4.8	0.95	ug/l	
541-73-1	1,3-Dichlorobenzene	ND	4.8	0.95	ug/l	
106-46-7	1,4-Dichlorobenzene	ND	4.8	0.95	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	9.5	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	0.95	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	0.95	ug/l	
86-73-7	Fluorene	ND	4.8	0.95	ug/l	
118-74-1	Hexachlorobenzene	ND	4.8	0.95	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	0.95	ug/l	
91-57-6	2-Methylnaphthalene	ND	4.8	0.95	ug/l	
88-74-4	2-Nitroaniline	ND	4.8	1.9	ug/l	
99-09-2	3-Nitroaniline	ND	4.8	1.9	ug/l	
100-01-6	4-Nitroaniline	ND	4.8	1.9	ug/l	
91-20-3	Naphthalene	ND	4.8	0.95	ug/l	
98-95-3	Nitrobenzene	ND	4.8	0.95	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	0.95	ug/l	
129-00-0	Pyrene	ND	4.8	0.95	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	4.8	0.95	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	33%		19-90%
4165-62-2	Phenol-d5	21%		10-68%
118-79-6	2,4,6-Tribromophenol	74%		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:	F30325-5	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
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	68%		49-119%
321-60-8	2-Fluorobiphenyl	72%		45-118%
1718-51-0	Terphenyl-d14	68%		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:	F30325-5	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
		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	7130	300	48	ug/l	1	03/16/05	03/21/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4251
(2) Prep QC Batch: MP7783

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:	F30325-5	**Date Sampled:**	03/11/05
Matrix:	AQ - Ground Water	**Date Received:**	03/12/05
		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	1010	4.0	mg/l	1	03/28/05	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 #: F30325
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.: 7030-226
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	TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	VOCs - 8260	VOCs - 624	SVOCs - 625	Fe + Hardness	LAB USE ONLY
1	PIN20-RW01-N001	3-11-05	0906	JPC	GW	3	3					3				
2	PIN20-RW02-N001	↓	0911	↓	↓	3	3					3				
3	PIN20-RW03-N001		0916			3	3					3				
4	PIN20-TRTI-N001		0921			4	3		1				3		1	
5	PIN20-TRTE-N001	↓	0927	↓	↓	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. [signature] 3-11-05		1. [signature] 3/11/05 1340	2. [signature] 3/11/05	16:30	2. Carlos [signature]
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

F30325: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F30325 CLIENT: S.M. Stoller PROJECT: Space Center

DATE/TIME RECEIVED: 3/12/05 . 08:00 # OF COOLERS RECEIVED: ____ COOLER TEMPS: 3.8

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: ____

COOLER INFORMATION

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

TRIP BLANK INFORMATION

- [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
- [ ] SAMPLE RECEIVED PAST HOLD TIME
- [ ] TIMES ON COC DON'T MATCH LABEL
- [ ] ID'S ON COC DON'T MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING INSTRUCTIONS
- [ ] UNCLEAR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS: ____

TECHNICIAN SIGNATURE/DATE CP 3/12/05 TECHNICIAN SIGNATURE/DATE Steven Carson/3-12-05

ASBD02/04/05

F30325: 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: F30325
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
VB1212-MB	B028154.D	1	03/16/05	KW	n/a	n/a	VB1212

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

F30325-4, F30325-5

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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F30325
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
VB1212-MB	B028154.D	1	03/16/05	KW	n/a	n/a	VB1212

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

F30325-4, F30325-5

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	109%	86-115%
17060-07-0	1,2-Dichloroethane-D4	116%	73-126%
2037-26-5	Toluene-D8	97%	86-112%
460-00-4	4-Bromofluorobenzene	113%	83-119%

Method Blank Summary

Job Number: F30325
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
VM172-MB	M0003865.D	1	03/21/05	NJ	n/a	n/a	VM172

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

F30325-1, F30325-2, F30325-3

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	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.50	ug/l	
108-88-3	Toluene	ND	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.50	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.60	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.50	ug/l	
	m,p-Xylene	ND	2.0	0.50	ug/l	
95-47-6	o-Xylene	ND	1.0	0.50	ug/l	

Method Blank Summary

Job Number: F30325
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
VM172-MB	M0003865.D	1	03/21/05	NJ	n/a	n/a	VM172

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

F30325-1, F30325-2, F30325-3

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	104%	86-115%
17060-07-0	1,2-Dichloroethane-D4	98%	73-126%
2037-26-5	Toluene-D8	96%	86-112%
460-00-4	4-Bromofluorobenzene	99%	83-119%

Blank Spike Summary

Job Number: F30325
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
VB1212-BS	B028153.D	1	03/16/05	KW	n/a	n/a	VB1212

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

F30325-4, F30325-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.1	100	80-120
75-27-4	Bromodichloromethane	25	27.4	110	75-120
75-25-2	Bromoform	25	25.1	100	60-129
108-90-7	Chlorobenzene	25	24.1	96	82-112
75-00-3	Chloroethane	25	24.0	96	67-148
67-66-3	Chloroform	25	27.6	110	78-118
110-75-8	2-Chloroethyl vinyl ether	125	61.5	49	23-132
56-23-5	Carbon tetrachloride	25	27.9	112	69-137
75-34-3	1,1-Dichloroethane	25	26.7	107	75-117
75-35-4	1,1-Dichloroethylene	25	26.8	107	67-134
107-06-2	1,2-Dichloroethane	25	27.5	110	68-121
78-87-5	1,2-Dichloropropane	25	24.8	99	78-122
124-48-1	Dibromochloromethane	25	25.3	101	68-118
75-71-8	Dichlorodifluoromethane	25	32.6	130	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	81-120
10061-01-5	cis-1,3-Dichloropropene	25	24.4	98	73-115
541-73-1	m-Dichlorobenzene	25	24.4	98	78-116
95-50-1	o-Dichlorobenzene	25	24.7	99	77-115
106-46-7	p-Dichlorobenzene	25	23.5	94	77-113
156-60-5	trans-1,2-Dichloroethylene	25	26.1	104	74-125
10061-02-6	trans-1,3-Dichloropropene	25	21.3	85	69-115
100-41-4	Ethylbenzene	25	25.0	100	82-115
74-83-9	Methyl bromide	25	25.9	104	60-165
74-87-3	Methyl chloride	25	29.9	120	58-152
75-09-2	Methylene chloride	25	27.8	111	66-125
1634-04-4	Methyl Tert Butyl Ether	25	27.6	110	67-127
71-55-6	1,1,1-Trichloroethane	25	27.8	111	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	67-119
79-00-5	1,1,2-Trichloroethane	25	24.6	98	74-115
127-18-4	Tetrachloroethylene	25	23.3	93	75-126
108-88-3	Toluene	25	24.3	97	81-114
79-01-6	Trichloroethylene	25	25.4	102	80-115
75-69-4	Trichlorofluoromethane	25	29.2	117	65-163
75-01-4	Vinyl chloride	25	26.9	108	70-151
	m,p-Xylene	50	50.3	101	83-118
95-47-6	o-Xylene	25	24.9	100	77-119

Blank Spike Summary

Job Number: F30325
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
VB1212-BS	B028153.D	1	03/16/05	KW	n/a	n/a	VB1212

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

F30325-4, F30325-5

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	86-115%
17060-07-0	1,2-Dichloroethane-D4	121%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	103%	83-119%

Blank Spike Summary

Job Number: F30325
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
VM172-BS	M0003864.D	1	03/21/05	NJ	n/a	n/a	VM172

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

F30325-1, F30325-2, F30325-3

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.8	103	80-120
75-27-4	Bromodichloromethane	25	24.8	99	75-120
75-25-2	Bromoform	25	24.1	96	60-129
108-90-7	Chlorobenzene	25	24.1	96	82-112
75-00-3	Chloroethane	25	25.5	102	67-148
67-66-3	Chloroform	25	24.1	96	78-118
110-75-8	2-Chloroethyl vinyl ether	125	98.8	79	23-132
56-23-5	Carbon tetrachloride	25	25.9	104	69-137
75-34-3	1,1-Dichloroethane	25	25.1	100	75-117
75-35-4	1,1-Dichloroethylene	25	24.3	97	67-134
107-06-2	1,2-Dichloroethane	25	22.9	92	68-121
78-87-5	1,2-Dichloropropane	25	25.3	101	78-122
124-48-1	Dibromochloromethane	25	23.9	96	68-118
75-71-8	Dichlorodifluoromethane	25	23.2	93	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.5	102	81-120
10061-01-5	cis-1,3-Dichloropropene	25	23.7	95	73-115
541-73-1	m-Dichlorobenzene	25	23.3	93	78-116
95-50-1	o-Dichlorobenzene	25	23.1	92	77-115
106-46-7	p-Dichlorobenzene	25	23.1	92	77-113
156-60-5	trans-1,2-Dichloroethylene	25	24.2	97	74-125
10061-02-6	trans-1,3-Dichloropropene	25	22.6	90	69-115
100-41-4	Ethylbenzene	25	24.2	97	82-115
74-83-9	Methyl bromide	25	26.6	106	60-165
74-87-3	Methyl chloride	25	24.8	99	58-152
75-09-2	Methylene chloride	25	24.0	96	66-125
1634-04-4	Methyl Tert Butyl Ether	25	27.0	108	67-127
71-55-6	1,1,1-Trichloroethane	25	25.3	101	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	22.5	90	67-119
79-00-5	1,1,2-Trichloroethane	25	23.0	92	74-115
127-18-4	Tetrachloroethylene	25	23.9	96	75-126
108-88-3	Toluene	25	23.9	96	81-114
79-01-6	Trichloroethylene	25	24.5	98	80-115
75-69-4	Trichlorofluoromethane	25	27.3	109	65-163
75-01-4	Vinyl chloride	25	25.4	102	70-151
	m,p-Xylene	50	48.5	97	83-118
95-47-6	o-Xylene	25	23.8	95	77-119

Blank Spike Summary

Job Number: F30325
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
VM172-BS	M0003864.D	1	03/21/05	NJ	n/a	n/a	VM172

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

F30325-1, F30325-2, F30325-3

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30325
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
F30324-3MS	B028156.D	20	03/16/05	KW	n/a	n/a	VB1212
F30324-3MSD	B028157.D	20	03/16/05	KW	n/a	n/a	VB1212
F30324-3	B028155.D	20	03/16/05	KW	n/a	n/a	VB1212

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

F30325-4, F30325-5

CAS No.	Compound	F30324-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	ND		500	477	95	472	94	1	72-125/7
75-27-4	Bromodichloromethane	ND		500	522	104	524	105	0	72-120/8
75-25-2	Bromoform	ND		500	470	94	460	92	2	55-127/11
108-90-7	Chlorobenzene	ND		500	466	93	463	93	1	79-113/7
75-00-3	Chloroethane	ND		500	417	83	430	86	3	56-164/14
67-66-3	Chloroform	373		500	881	102	886	103	1	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	533	107	528	106	1	56-145/12
75-34-3	1,1-Dichloroethane	ND		500	509	102	503	101	1	70-122/10
75-35-4	1,1-Dichloroethylene	ND		500	528	106	532	106	1	61-137/15
107-06-2	1,2-Dichloroethane	ND		500	511	102	511	102	0	64-124/7
78-87-5	1,2-Dichloropropane	ND		500	464	93	463	93	0	74-123/8
124-48-1	Dibromochloromethane	ND		500	479	96	478	96	0	63-119/9
75-71-8	Dichlorodifluoromethane	ND		500	326	65	324	65	1	35-184/21
156-59-2	cis-1,2-Dichloroethylene	1540		500	1990	90	2000	92	1	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		500	411	82	409	82	0	65-112/10
541-73-1	m-Dichlorobenzene	ND		500	455	91	458	92	1	74-114/7
95-50-1	o-Dichlorobenzene	ND		500	471	94	472	94	0	73-114/8
106-46-7	p-Dichlorobenzene	ND		500	448	90	444	89	1	74-112/7
156-60-5	trans-1,2-Dichloroethylene	41.0		500	530	98	530	98	0	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		500	352	70	349	70	1	59-116/11
100-41-4	Ethylbenzene	ND		500	478	96	475	95	1	73-119/8
74-83-9	Methyl bromide	ND		500	422	84	433	87	3	52-172/16
74-87-3	Methyl chloride	ND		500	442	88	445	89	1	53-155/19
75-09-2	Methylene chloride	ND		500	510	102	507	101	1	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		500	504	101	502	100	0	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		500	524	105	521	104	1	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		500	472	94	473	95	0	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		500	466	93	457	91	2	72-116/9
127-18-4	Tetrachloroethylene	ND		500	432	86	436	87	1	70-126/9
108-88-3	Toluene	ND		500	465	93	458	92	2	67-123/8
79-01-6	Trichloroethylene	1280		500	1710	86	1710	86	0	73-117/10
75-69-4	Trichlorofluoromethane	ND		500	520	104	524	105	1	52-164/16
75-01-4	Vinyl chloride	200		500	607	81	630	86	4	63-161/18
	m,p-Xylene	ND		1000	958	96	955	96	0	74-123/7
95-47-6	o-Xylene	ND		500	475	95	474	95	0	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30325
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
F30324-3MS	B028156.D	20	03/16/05	KW	n/a	n/a	VB1212
F30324-3MSD	B028157.D	20	03/16/05	KW	n/a	n/a	VB1212
F30324-3	B028155.D	20	03/16/05	KW	n/a	n/a	VB1212

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

F30325-4, F30325-5

CAS No.	Surrogate Recoveries	MS	MSD	F30324-3	Limits
1868-53-7	Dibromofluoromethane	109%	109%	109%	86-115%
17060-07-0	1,2-Dichloroethane-D4	118%	118%	116%	73-126%
2037-26-5	Toluene-D8	99%	99%	99%	86-112%
460-00-4	4-Bromofluorobenzene	102%	104%	113%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30325
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
F30306-2MS	M0003876.D	1	03/21/05	NJ	n/a	n/a	VM172
F30306-2MSD	M0003877.D	1	03/21/05	NJ	n/a	n/a	VM172
F30306-2	M0003872.D	1	03/21/05	NJ	n/a	n/a	VM172

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

F30325-1, F30325-2, F30325-3

CAS No.	Compound	F30306-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	16.0		25	43.1	108	43.0	108	0	72-125/7
75-27-4	Bromodichloromethane	ND		25	23.8	95	24.1	96	1	72-120/8
75-25-2	Bromoform	ND		25	23.6	94	23.9	96	1	55-127/11
108-90-7	Chlorobenzene	ND		25	24.3	97	24.4	98	0	79-113/7
75-00-3	Chloroethane	ND		25	31.8	127	30.4	122	5	56-164/14
67-66-3	Chloroform	ND		25	23.8	95	23.8	95	0	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	8-137/18
56-23-5	Carbon tetrachloride	ND		25	24.6	98	25.4	102	3	56-145/12
75-34-3	1,1-Dichloroethane	ND		25	26.7	107	26.8	107	0	70-122/10
75-35-4	1,1-Dichloroethylene	ND		25	32.8	131	29.5	118	11	61-137/15
107-06-2	1,2-Dichloroethane	ND		25	23.8	95	23.8	95	0	64-124/7
78-87-5	1,2-Dichloropropane	ND		25	26.7	107	26.2	105	2	74-123/8
124-48-1	Dibromochloromethane	ND		25	22.7	91	22.5	90	1	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	25.7	103	25.7	103	0	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.5	90	22.7	91	1	65-112/10
541-73-1	m-Dichlorobenzene	ND		25	22.8	91	22.7	91	0	74-114/7
95-50-1	o-Dichlorobenzene	ND		25	22.9	92	23.2	93	1	73-114/8
106-46-7	p-Dichlorobenzene	ND		25	23.5	94	23.0	92	2	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.1	100	25.1	100	0	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		25	21.0	84	21.3	85	1	59-116/11
100-41-4	Ethylbenzene	ND		25	23.6	94	23.7	95	0	73-119/8
74-83-9	Methyl bromide	ND		25	30.9	124	29.2	117	6	52-172/16
74-87-3	Methyl chloride	ND		25	29.4	118	27.8	111	6	53-155/19
75-09-2	Methylene chloride	ND		25	26.9	108	26.6	106	1	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		25	24.9	100	25.7	103	3	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		25	24.7	99	24.6	98	0	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	21.0	84	21.1	84	0	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		25	22.3	89	22.3	89	0	72-116/9
127-18-4	Tetrachloroethylene	ND		25	23.3	93	23.6	94	1	70-126/9
108-88-3	Toluene	ND		25	22.9	92	22.9	92	0	67-123/8
79-01-6	Trichloroethylene	ND		25	24.5	98	24.2	97	1	73-117/10
75-69-4	Trichlorofluoromethane	ND		25	33.1	132	31.6	126	5	52-164/16
75-01-4	Vinyl chloride	ND		25	30.3	121	29.3	117	3	63-161/18
	m,p-Xylene	1.3	J	50	50.2	98	50.3	98	0	74-123/7
95-47-6	o-Xylene	ND		25	23.8	95	23.8	95	0	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30325
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
F30306-2MS	M0003876.D	1	03/21/05	NJ	n/a	n/a	VM172
F30306-2MSD	M0003877.D	1	03/21/05	NJ	n/a	n/a	VM172
F30306-2	M0003872.D	1	03/21/05	NJ	n/a	n/a	VM172

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

F30325-1, F30325-2, F30325-3

CAS No.	Surrogate Recoveries	MS	MSD	F30306-2	Limits
1868-53-7	Dibromofluoromethane	103%	103%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	100%	100%	98%	73-126%
2037-26-5	Toluene-D8	94%	95%	95%	86-112%
460-00-4	4-Bromofluorobenzene	91%	92%	93%	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: F30325
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
OP12728-MB	W024102.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	25	15	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	3.0	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: F30325
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
OP12728-MB	W024102.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

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	5.0	2.0	ug/l	
99-09-2	3-Nitroaniline	ND	5.0	2.0	ug/l	
100-01-6	4-Nitroaniline	ND	5.0	2.0	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	52%	19-90%
4165-62-2	Phenol-d5	35%	10-68%

Method Blank Summary

Job Number: F30325
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
OP12728-MB	W024102.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	83%	36-137%
4165-60-0	Nitrobenzene-d5	78%	49-119%
321-60-8	2-Fluorobiphenyl	81%	45-118%
1718-51-0	Terphenyl-d14	82%	46-135%

Blank Spike Summary

Job Number: F30325
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
OP12728-BS	W024101.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	21.9	22	8-45
95-57-8	2-Chlorophenol	50	38.9	78	62-103
59-50-7	4-Chloro-3-methyl phenol	50	41.7	83	64-103
120-83-2	2,4-Dichlorophenol	50	42.7	85	59-103
105-67-9	2,4-Dimethylphenol	50	36.3	73	43-94
51-28-5	2,4-Dinitrophenol	100	96.0	96	12-125
534-52-1	4,6-Dinitro-o-cresol	100	98.2	98	47-119
95-48-7	2-Methylphenol	50	34.3	69	54-91
	3&4-Methylphenol	100	62.9	63	48-86
88-75-5	2-Nitrophenol	50	42.9	86	64-104
100-02-7	4-Nitrophenol	100	34.7	35	22-50
87-86-5	Pentachlorophenol	100	92.5	93	50-111
108-95-2	Phenol	50	16.9	34	25-53
95-95-4	2,4,5-Trichlorophenol	50	42.5	85	66-104
88-06-2	2,4,6-Trichlorophenol	50	44.3	89	60-103
83-32-9	Acenaphthene	50	41.3	83	62-101
208-96-8	Acenaphthylene	50	41.0	82	65-113
120-12-7	Anthracene	50	42.0	84	69-107
56-55-3	Benzo(a)anthracene	50	44.5	89	68-106
50-32-8	Benzo(a)pyrene	50	43.0	86	70-114
205-99-2	Benzo(b)fluoranthene	50	44.3	89	68-110
191-24-2	Benzo(g,h,i)perylene	50	42.3	85	63-115
207-08-9	Benzo(k)fluoranthene	50	44.0	88	68-112
101-55-3	4-Bromophenyl phenyl ether	50	42.8	86	73-103
85-68-7	Butyl benzyl phthalate	50	45.5	91	69-108
100-51-6	Benzyl Alcohol	50	35.7	71	34-104
91-58-7	2-Chloronaphthalene	50	39.8	80	64-102
106-47-8	4-Chloroaniline	50	38.5	77	57-104
86-74-8	Carbazole	50	46.4	93	69-113
218-01-9	Chrysene	50	43.0	86	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	38.9	78	57-103
111-44-4	bis(2-Chloroethyl)ether	50	40.0	80	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	36.9	74	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.0	86	71-104
95-50-1	1,2-Dichlorobenzene	50	35.2	70	62-100
541-73-1	1,3-Dichlorobenzene	50	33.8	68	59-99

Blank Spike Summary

Job Number: F30325
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
OP12728-BS	W024101.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	34.0	68	60-101
121-14-2	2,4-Dinitrotoluene	50	43.7	87	65-111
606-20-2	2,6-Dinitrotoluene	50	43.4	87	77-111
91-94-1	3,3'-Dichlorobenzidine	50	52.2	104	42-110
53-70-3	Dibenzo(a,h)anthracene	50	44.7	89	62-115
132-64-9	Dibenzofuran	50	41.2	82	69-104
84-74-2	Di-n-butyl phthalate	50	44.8	90	68-109
117-84-0	Di-n-octyl phthalate	50	51.6	103	63-120
84-66-2	Diethyl phthalate	50	45.2	90	64-110
131-11-3	Dimethyl phthalate	50	44.0	88	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	46.0	92	64-115
206-44-0	Fluoranthene	50	44.6	89	68-111
86-73-7	Fluorene	50	42.4	85	66-105
118-74-1	Hexachlorobenzene	50	43.3	87	69-103
87-68-3	Hexachlorobutadiene	50	35.3	71	55-90
77-47-4	Hexachlorocyclopentadiene	50	23.8	48	26-95
67-72-1	Hexachloroethane	50	33.2	66	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	43.7	87	63-118
78-59-1	Isophorone	50	40.4	81	64-107
91-57-6	2-Methylnaphthalene	50	38.3	77	66-100
88-74-4	2-Nitroaniline	50	43.2	86	65-111
99-09-2	3-Nitroaniline	50	44.5	89	61-106
100-01-6	4-Nitroaniline	50	46.6	93	60-113
91-20-3	Naphthalene	50	38.1	76	62-101
98-95-3	Nitrobenzene	50	40.4	81	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	39.5	79	64-109
86-30-6	N-Nitrosodiphenylamine	50	40.1	80	69-114
85-01-8	Phenanthrene	50	43.6	87	68-104
129-00-0	Pyrene	50	41.0	82	64-105
120-82-1	1,2,4-Trichlorobenzene	50	36.7	73	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	48%	19-90%
4165-62-2	Phenol-d5	31%	10-68%

Blank Spike Summary

Job Number: F30325
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
OP12728-BS	W024101.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	84%	36-137%
4165-60-0	Nitrobenzene-d5	79%	49-119%
321-60-8	2-Fluorobiphenyl	84%	45-118%
1718-51-0	Terphenyl-d14	80%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30325
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
OP12728-MS	W024104.D	1	03/17/05	ME	03/17/05	OP12728	SW1262
OP12728-MSD	W024105.D	1	03/17/05	ME	03/17/05	OP12728	SW1262
F30324-4	W024103.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Compound	F30324-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		189	64.8	34	60.4	32	7	16-73/41
95-57-8	2-Chlorophenol	ND		94.3	70.0	74	73.6	78	5	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		94.3	76.9	82	77.8	82	1	60-101/18
120-83-2	2,4-Dichlorophenol	ND		94.3	77.8	82	80.4	85	3	55-100/24
105-67-9	2,4-Dimethylphenol	ND		94.3	71.6	76	73.8	78	3	36-98/26
51-28-5	2,4-Dinitrophenol	ND		189	186	99	180	95	3	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		189	190	101	194	103	2	40-127/24
95-48-7	2-Methylphenol	ND		94.3	66.2	70	68.0	72	3	46-100/23
	3&4-Methylphenol	ND		189	125	66	130	69	4	43-100/23
88-75-5	2-Nitrophenol	ND		94.3	76.4	81	78.8	84	3	53-104/25
100-02-7	4-Nitrophenol	ND		189	97.3	52	101	54	4	32-81/28
87-86-5	Pentachlorophenol	ND		189	178	94	179	95	1	44-118/16
108-95-2	Phenol	ND		94.3	40.2	43	42.6	45	6	31-77/26
95-95-4	2,4,5-Trichlorophenol	ND		94.3	79.4	84	81.7	87	3	61-102/18
88-06-2	2,4,6-Trichlorophenol	4.0	J	94.3	84.4	85	87.1	88	3	55-103/21
83-32-9	Acenaphthene	ND		94.3	76.6	81	77.5	82	1	55-103/20
208-96-8	Acenaphthylene	ND		94.3	76.2	81	77.4	82	2	55-113/20
120-12-7	Anthracene	ND		94.3	80.9	86	82.5	87	2	66-105/14
56-55-3	Benzo(a)anthracene	ND		94.3	85.4	91	86.4	92	1	65-103/16
50-32-8	Benzo(a)pyrene	ND		94.3	82.6	88	85.2	90	3	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		94.3	84.7	90	83.7	89	1	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		94.3	86.6	92	93.6	99	8	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		94.3	80.9	86	83.5	89	3	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		94.3	80.4	85	83.0	88	3	68-102/16
85-68-7	Butyl benzyl phthalate	ND		94.3	87.2	92	87.1	92	0	65-108/17
100-51-6	Benzyl Alcohol	ND		94.3	72.0	76	73.0	77	1	48-106/24
91-58-7	2-Chloronaphthalene	ND		94.3	75.3	80	76.9	82	2	58-101/22
106-47-8	4-Chloroaniline	ND		94.3	66.9	71	67.5	72	1	39-101/21
86-74-8	Carbazole	ND		94.3	89.5	95	91.6	97	2	66-109/16
218-01-9	Chrysene	ND		94.3	84.2	89	85.9	91	2	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		94.3	70.4	75	72.4	77	3	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		94.3	73.9	78	75.8	80	3	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		94.3	67.9	72	69.6	74	2	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		94.3	81.3	86	80.8	86	1	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		94.3	72.0	76	74.2	79	3	50-101/22
541-73-1	1,3-Dichlorobenzene	ND		94.3	69.8	74	71.8	76	3	50-100/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30325
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
OP12728-MS	W024104.D	1	03/17/05	ME	03/17/05	OP12728	SW1262
OP12728-MSD	W024105.D	1	03/17/05	ME	03/17/05	OP12728	SW1262
F30324-4	W024103.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Compound	F30324-4 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		94.3	70.2	74	71.5	76	2	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		94.3	83.6	89	86.3	91	3	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		94.3	81.7	87	82.6	88	1	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		94.3	49.5	52	57.9	61	16	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		94.3	90.2	96	96.0	102	6	57-111/20
132-64-9	Dibenzofuran	ND		94.3	77.4	82	79.3	84	2	64-102/17
84-74-2	Di-n-butyl phthalate	ND		94.3	85.6	91	87.7	93	2	63-107/17
117-84-0	Di-n-octyl phthalate	ND		94.3	90.9	96	90.6	96	0	58-126/23
84-66-2	Diethyl phthalate	ND		94.3	86.9	92	86.7	92	0	59-110/18
131-11-3	Dimethyl phthalate	ND		94.3	84.6	90	85.9	91	2	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		94.3	88.6	94	89.6	95	1	55-120/22
206-44-0	Fluoranthene	ND		94.3	87.3	93	89.4	95	2	62-108/17
86-73-7	Fluorene	ND		94.3	78.7	83	81.4	86	3	60-105/17
118-74-1	Hexachlorobenzene	ND		94.3	81.1	86	83.7	89	3	64-102/16
87-68-3	Hexachlorobutadiene	ND		94.3	72.4	77	74.2	79	2	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		94.3	52.8	56	53.2	56	1	20-92/34
67-72-1	Hexachloroethane	ND		94.3	69.0	73	71.2	75	3	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		94.3	88.5	94	95.3	101	7	61-111/19
78-59-1	Isophorone	ND		94.3	72.9	77	75.0	80	3	59-103/23
91-57-6	2-Methylnaphthalene	ND		94.3	73.5	78	75.1	80	2	56-100/23
88-74-4	2-Nitroaniline	ND		94.3	80.2	85	82.3	87	3	61-107/18
99-09-2	3-Nitroaniline	ND		94.3	81.8	87	84.8	90	4	47-107/26
100-01-6	4-Nitroaniline	ND		94.3	89.7	95	92.0	98	3	48-119/21
91-20-3	Naphthalene	ND		94.3	73.0	77	75.3	80	3	52-102/23
98-95-3	Nitrobenzene	ND		94.3	70.6	75	73.6	78	4	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	ND		94.3	70.6	75	71.3	76	1	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		94.3	78.7	83	81.6	86	4	62-112/16
85-01-8	Phenanthrene	ND		94.3	83.2	88	83.8	89	1	64-103/15
129-00-0	Pyrene	ND		94.3	79.8	85	79.1	84	1	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		94.3	72.4	77	75.9	80	5	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F30324-4	Limits
367-12-4	2-Fluorophenol	55%	58%	42%	19-90%
4165-62-2	Phenol-d5	40%	42%	26%	10-68%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F30325
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
OP12728-MS	W024104.D	1	03/17/05	ME	03/17/05	OP12728	SW1262
OP12728-MSD	W024105.D	1	03/17/05	ME	03/17/05	OP12728	SW1262
F30324-4	W024103.D	1	03/17/05	ME	03/17/05	OP12728	SW1262

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

F30325-5

CAS No.	Surrogate Recoveries	MS	MSD	F30324-4	Limits
118-79-6	2,4,6-Tribromophenol	84%	87%	83%	36-137%
4165-60-0	Nitrobenzene-d5	74%	77%	79%	49-119%
321-60-8	2-Fluorobiphenyl	79%	81%	84%	45-118%
1718-51-0	Terphenyl-d14	80%	80%	83%	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: F30325
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7783
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:				03/16/05		03/16/05
Metal	RL	IDL	MB raw	final	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	.44	anr			
Iron	300	7.1	12.7	<300	7.3	<300
Lead	5.0	1.2	anr			
Magnesium	5000	9.9	anr			
Manganese	15	.16	anr			
Molybdenum	50	.75				
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	.47	anr			
Zinc	20	.59	anr			

Associated samples MP7783: F30325-4, F30325-5

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: F30325
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7783 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date:	03/16/05							03/16/05	
Metal	F30322-1 Original	DUP	RPD	QC Limits	F30322-1 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	6600	6460	2.1	0-14	6600	35400	27000	106.7	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 MP7783: F30325-4, F30325-5

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: F30325
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7783 Methods: SW846 6010B
Matrix Type: AQUEOUS Units: ug/l

Prep Date: 03/16/05

Metal	F30322-1 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	6600	34900	27000	104.8	1.4	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 MP7783: F30325-4, F30325-5

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: F30325
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7783
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/16/05

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	28200	27000	104.4	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 MP7783: F30325-4, F30325-5

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: F30325
Account: STOLCOGJ - S M Stoller
Project: Pinellas Environmental Restoration Project - Young- Rainey Star Center

QC Batch ID: MP7783
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 03/16/05

Metal	F30322-1 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	6600	6790	2.9	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 MP7783: F30325-4, F30325-5

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