Southeast ACCUTEST Laboratories

10/24/05

Technical Report for

S M Stoller

Star Center-B100

110406202

Accutest Job Number: F33040

Sampling Date: 07/06/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **52**

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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Accutest LabLink@41810 12:21 24-Oct-2005

Sample Summary

S M Stoller

Job No: F33040

Star Center-B100
Project No: 110406202

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F33040-1	07/06/05	09:29	JPC	07/06/05	AQ	Ground Water	PIN12-RW01-N001
F33040-2	07/06/05	09:31	JPC	07/06/05	AQ	Ground Water	PIN12-RW02-N001
F33040-3	07/06/05	10:40	JPC	07/06/05	AQ	Ground Water	PIN12-TRTI-N001
F33040-4	07/06/05	10:45	JPC	07/06/05	AQ	Ground Water	PIN12-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F33040

Site: Star Center-B100 **Report Date** 7/25/2005

4 Samples were collected on 07/06/2005 and were received at Accutest on 07/06/2005 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of F33040.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:** VC1379

Samples F33039-4MS, F33039-4MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
MS/MSD recoveries for 2-Chloroethyl vinyl ether are outside control limits. Probable cause due to matrix interference.
F33040-4: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VM265

Samples F33040-1MS, F33040-1MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recovery for Dichlorodifluoromethane is above control limits. The associated samples were non-detect for this compound.

MS/MSD recoveries for Dichlorodifluoromethane are outside control limits. Probable cause due to matrix interference.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP13799

Samples F33039-5MS, F33039-5MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Blank Spike Recoveries for 1,2,4-Trichlorobenzene, 1,2-Dichlorobenzene, 1,3-Dichlorobenzene, 1,4-Dichlorobenzene, Hexachlorobutadiene, Hexachloroethane are below control limits. The recoveries for these compounds in the associated MS/MSD are within limits. These compounds were non-detect in mall associated samples.

RPD for MSD for 2,4-Dinitrophenol is outside control limits for sample OP13799-MSD. Probable cause due to sample homogeneity.

Metals By Method SW846 6010B

Matrix: AQ **Batch ID:** MP8284

Samples F33010-2DUP, F33010-2MS, F33010-2MSD, F33010-2SDL 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: July 25, 2005

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

Report of Analysis

Client Sample ID:	PIN12-RW01-N001		
Lab Sample ID:	F33040-1	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0006184.D	100	07/20/05	NJ	n/a	n/a	VM265
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	50 U	100	50	ug/l	
75-27-4	Bromodichloromethane	50 U	100	50	ug/l	
75-25-2	Bromoform	50 U	100	50	ug/l	
108-90-7	Chlorobenzene	50 U	100	50	ug/l	
75-00-3	Chloroethane	100 U	200	100	ug/l	
67-66-3	Chloroform	50 U	100	50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	250 U	500	250	ug/l	
56-23-5	Carbon tetrachloride	50 U	100	50	ug/l	
75-34-3	1,1-Dichloroethane	50 U	100	50	ug/l	
75-35-4	1,1-Dichloroethylene	50 U	100	50	ug/l	
107-06-2	1,2-Dichloroethane	50 U	100	50	ug/l	
78-87-5	1,2-Dichloropropane	50 U	100	50	ug/l	
124-48-1	Dibromochloromethane	40 U	100	40	ug/l	
75-71-8	Dichlorodifluoromethane	50 U	100	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2440	100	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	30 U	100	30	ug/l	
541-73-1	m-Dichlorobenzene	50 U	100	50	ug/l	
95-50-1	o-Dichlorobenzene	50 U	100	50	ug/l	
106-46-7	p-Dichlorobenzene	50 U	100	50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	50 U	100	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	30 U	100	30	ug/l	
100-41-4	Ethylbenzene	50 U	100	50	ug/l	
74-83-9	Methyl bromide	100 U	200	100	ug/l	
74-87-3	Methyl chloride	100 U	200	100	ug/l	
75-09-2	Methylene chloride	100 U	500	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	50 U	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	50 U	100	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	30 U	100	30	ug/l	
79-00-5	1,1,2-Trichloroethane	50 U	100	50	ug/l	
127-18-4	Tetrachloroethylene	50 U	100	50	ug/l	
108-88-3	Toluene	50 U	100	50	ug/l	
79-01-6	Trichloroethylene	4220	100	50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW01-N001		
Lab Sample ID:	F33040-1	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	60 U	200	60	ug/l	
75-01-4	Vinyl chloride	641	100	50	ug/l	
	m,p-Xylene	50 U	200	50	ug/l	
95-47-6	o-Xylene	50 U	100	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	96%		86-112%
460-00-4	4-Bromofluorobenzene	100%		83-119%

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW02-N001		
Lab Sample ID:	F33040-2	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	M0006187.D	10	07/20/05	NJ	n/a	n/a	VM265
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	5.0 U	10	5.0	ug/l	
75-27-4	Bromodichloromethane	5.0 U	10	5.0	ug/l	
75-25-2	Bromoform	5.0 U	10	5.0	ug/l	
108-90-7	Chlorobenzene	5.0 U	10	5.0	ug/l	
75-00-3	Chloroethane	10 U	20	10	ug/l	
67-66-3	Chloroform	5.0 U	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	25 U	50	25	ug/l	
56-23-5	Carbon tetrachloride	5.0 U	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	5.0 U	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	12.7	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	5.0 U	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	5.0 U	10	5.0	ug/l	
124-48-1	Dibromochloromethane	4.0 U	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	470	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	3.0 U	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	5.0 U	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	5.0 U	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	5.0 U	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	34.9	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	3.0 U	10	3.0	ug/l	
100-41-4	Ethylbenzene	5.0 U	10	5.0	ug/l	
74-83-9	Methyl bromide	10 U	20	10	ug/l	
74-87-3	Methyl chloride	10 U	20	10	ug/l	
75-09-2	Methylene chloride	10 U	50	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.0 U	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	5.0 U	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	3.0 U	10	3.0	ug/l	
79-00-5	1,1,2-Trichloroethane	5.0 U	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	5.0 U	10	5.0	ug/l	
108-88-3	Toluene	5.0 U	10	5.0	ug/l	
79-01-6	Trichloroethylene	264	10	5.0	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW02-N001		
Lab Sample ID:	F33040-2	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	6.0 U	20	6.0	ug/l	
75-01-4	Vinyl chloride	55.6	10	5.0	ug/l	
	m,p-Xylene	5.0 U	20	5.0	ug/l	
95-47-6	o-Xylene	5.0 U	10	5.0	ug/l	

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

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33040-3	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	C0033875.D	50	07/15/05	KW	n/a	n/a	VC1379
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	25 U	50	25	ug/l	
75-27-4	Bromodichloromethane	25 U	50	25	ug/l	
75-25-2	Bromoform	25 U	50	25	ug/l	
108-90-7	Chlorobenzene	25 U	50	25	ug/l	
75-00-3	Chloroethane	50 U	100	50	ug/l	
67-66-3	Chloroform	25 U	50	25	ug/l	
110-75-8	2-Chloroethyl vinyl ether	130 U	250	130	ug/l	
56-23-5	Carbon tetrachloride	25 U	50	25	ug/l	
75-34-3	1,1-Dichloroethane	25 U	50	25	ug/l	
75-35-4	1,1-Dichloroethylene	25 U	50	25	ug/l	
107-06-2	1,2-Dichloroethane	25 U	50	25	ug/l	
78-87-5	1,2-Dichloropropane	25 U	50	25	ug/l	
124-48-1	Dibromochloromethane	20 U	50	20	ug/l	
75-71-8	Dichlorodifluoromethane	25 U	50	25	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1340	50	25	ug/l	
10061-01-5	cis-1,3-Dichloropropene	15 U	50	15	ug/l	
541-73-1	m-Dichlorobenzene	25 U	50	25	ug/l	
95-50-1	o-Dichlorobenzene	25 U	50	25	ug/l	
106-46-7	p-Dichlorobenzene	25 U	50	25	ug/l	
156-60-5	trans-1,2-Dichloroethylene	28.0	50	25	ug/l	I
10061-02-6	trans-1,3-Dichloropropene	15 U	50	15	ug/l	
100-41-4	Ethylbenzene	25 U	50	25	ug/l	
74-83-9	Methyl bromide	50 U	100	50	ug/l	
74-87-3	Methyl chloride	50 U	100	50	ug/l	
75-09-2	Methylene chloride	50 U	250	50	ug/l	
1634-04-4	Methyl Tert Butyl Ether	25 U	50	25	ug/l	
71-55-6	1,1,1-Trichloroethane	25 U	50	25	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	15 U	50	15	ug/l	
79-00-5	1,1,2-Trichloroethane	25 U	50	25	ug/l	
127-18-4	Tetrachloroethylene	25 U	50	25	ug/l	
108-88-3	Toluene	25 U	50	25	ug/l	
79-01-6	Trichloroethylene	1050	50	25	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33040-3	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	30 U	100	30	ug/l	
75-01-4	Vinyl chloride	189	50	25	ug/l	
	m,p-Xylene	25 U	100	25	ug/l	
95-47-6	o-Xylene	25 U	50	25	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	98%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	105%		83-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33040-3	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
		Percent Solids:	n/a
Project:	Star Center-B100		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	4930	300	7.5	ug/l	1	07/15/05	07/18/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4445
(2) Prep QC Batch: MP8284

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33040-3	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
		Percent Solids:	n/a
Project:	Star Center-B100		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	372	4.0	mg/l	1	07/20/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33040-4	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0033876.D	1	07/15/05	KW	n/a	n/a	VC1379
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	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	2.5 U	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	0.50 U	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	0.30 U	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.30 U	1.0	0.30	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.87	1.0	0.50	ug/l	I

U = Not detected MDL - Method Detection Limit
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L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33040-4	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

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

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

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

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33040-4	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L026798.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409
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	9.6 U	24	9.6	ug/l	
95-57-8	2-Chlorophenol	1.9 U	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	1.9 U	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	1.9 U	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	1.9 U	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	9.6 U	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	4.8 U	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	1.9 U	4.8	1.9	ug/l	
	3&4-Methylphenol	1.9 U	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	1.9 U	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	9.6 U	24	9.6	ug/l	
87-86-5	Pentachlorophenol	9.6 U	24	9.6	ug/l	
108-95-2	Phenol	1.9 U	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	1.9 U	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	1.9 U	4.8	1.9	ug/l	
83-32-9	Acenaphthene	0.96 U	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	0.96 U	4.8	0.96	ug/l	
120-12-7	Anthracene	0.96 U	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.96 U	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	0.96 U	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	0.96 U	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.9 U	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	0.96 U	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	0.96 U	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	1.9 U	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	0.96 U	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	0.96 U	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	3.8 U	9.6	3.8	ug/l	
86-74-8	Carbazole	0.96 U	4.8	0.96	ug/l	
218-01-9	Chrysene	0.96 U	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	0.96 U	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	1.9 U	4.8	1.9	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33040-4	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

ABN TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	38%		19-90%
4165-62-2	Phenol-d5	23%		10-68%
118-79-6	2,4,6-Tribromophenol	77%		36-137%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range
I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33040-4	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

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	73%		45-118%
1718-51-0	Terphenyl-d14	68%		46-135%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33040-4	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
		Percent Solids:	n/a
Project:	Star Center-B100		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	5040	300	7.5	ug/l	1	07/15/05	07/18/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4445
(2) Prep QC Batch: MP8284

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33040-4	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
		Percent Solids:	n/a
Project:	Star Center-B100		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	381	4.0	mg/l	1	07/20/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST JOB #:
ACCUTEST QUOTE #: F33040

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: B100
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
1)	PIN12-RW01-N001	7-6-05	0929	JPC	GW	3	3					3			
2)	PIN12-RW02-N001	↓	0931	↓	↓	3	3					3			
3)	PIN12-TRTI-N001	↓	1040	↓	↓	4	3		1				3		1
4)	PIN12-TRTE-N001	↓	1045	↓	↓	6	3		1		2		3	2	1

LAB USE ONLY

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. JPC	7-6-05	1. 7/6/05 1330	2.	07/06/05 1700	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 1.8 C

4.1
4

F33040: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F33040 CLIENT: SM Stolar PROJECT: Monthly Sampling

DATE/TIME RECEIVED: 07/06/05 - 1700 # OF COOLERS RECEIVED: 1 COOLER TEMPS:

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

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 07/06/05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

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F33040: 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: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1379-MB	C0033869.D	1	07/14/05	KW	n/a	n/a	VC1379

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

F33040-3, F33040-4

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: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1379-MB	C0033869.D	1	07/14/05	KW	n/a	n/a	VC1379

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

F33040-3, F33040-4

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	86-115%
17060-07-0	1,2-Dichloroethane-D4	97%	73-126%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	106%	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: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM265-MB	M0006172.D	1	07/20/05	NJ	n/a	n/a	VM265

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

F33040-1, F33040-2

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.50	ug/l	
75-25-2	Bromoform	ND	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.50	ug/l	
75-00-3	Chloroethane	ND	2.0	1.0	ug/l	
67-66-3	Chloroform	ND	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.50	ug/l	
74-83-9	Methyl bromide	ND	2.0	1.0	ug/l	
74-87-3	Methyl chloride	ND	2.0	1.0	ug/l	
75-09-2	Methylene chloride	ND	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.30	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: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM265-MB	M0006172.D	1	07/20/05	NJ	n/a	n/a	VM265

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

F33040-1, F33040-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	97%	73-126%
2037-26-5	Toluene-D8	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	83-119%

Blank Spike Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1379-BS	C0033868.D	1	07/14/05	KW	n/a	n/a	VC1379

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

F33040-3, F33040-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.8	95	80-120
75-27-4	Bromodichloromethane	25	23.3	93	75-120
75-25-2	Bromoform	25	20.3	81	60-129
108-90-7	Chlorobenzene	25	23.1	92	82-112
75-00-3	Chloroethane	25	21.6	86	67-148
67-66-3	Chloroform	25	23.1	92	78-118
110-75-8	2-Chloroethyl vinyl ether	125	127	102	23-132
56-23-5	Carbon tetrachloride	25	23.8	95	69-137
75-34-3	1,1-Dichloroethane	25	23.5	94	75-117
75-35-4	1,1-Dichloroethylene	25	21.5	86	67-134
107-06-2	1,2-Dichloroethane	25	23.2	93	68-121
78-87-5	1,2-Dichloropropane	25	23.6	94	78-122
124-48-1	Dibromochloromethane	25	21.7	87	68-118
75-71-8	Dichlorodifluoromethane	25	18.2	73	43-173
156-59-2	cis-1,2-Dichloroethylene	25	24.2	97	81-120
10061-01-5	cis-1,3-Dichloropropene	25	21.7	87	73-115
541-73-1	m-Dichlorobenzene	25	21.2	85	78-116
95-50-1	o-Dichlorobenzene	25	20.7	83	77-115
106-46-7	p-Dichlorobenzene	25	23.6	94	77-113
156-60-5	trans-1,2-Dichloroethylene	25	23.4	94	74-125
10061-02-6	trans-1,3-Dichloropropene	25	20.6	82	69-115
100-41-4	Ethylbenzene	25	24.2	97	82-115
74-83-9	Methyl bromide	25	20.3	81	60-165
74-87-3	Methyl chloride	25	20.2	81	58-152
75-09-2	Methylene chloride	25	23.8	95	66-125
1634-04-4	Methyl Tert Butyl Ether	25	25.6	102	67-127
71-55-6	1,1,1-Trichloroethane	25	24.3	97	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	18.3	73	67-119
79-00-5	1,1,2-Trichloroethane	25	22.2	89	74-115
127-18-4	Tetrachloroethylene	25	26.3	105	75-126
108-88-3	Toluene	25	26.8	107	81-114
79-01-6	Trichloroethylene	25	24.6	98	80-115
75-69-4	Trichlorofluoromethane	25	22.5	90	65-163
75-01-4	Vinyl chloride	25	22.6	90	70-151
	m,p-Xylene	50	49.2	98	83-118
95-47-6	o-Xylene	25	24.8	99	77-119

Blank Spike Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1379-BS	C0033868.D	1	07/14/05	KW	n/a	n/a	VC1379

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

F33040-3, F33040-4

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	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	83-119%

Blank Spike Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM265-BS	M0006171.D	1	07/20/05	NJ	n/a	n/a	VM265

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

F33040-1, F33040-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.7	95	80-120
75-27-4	Bromodichloromethane	25	24.1	96	75-120
75-25-2	Bromoform	25	21.1	84	60-129
108-90-7	Chlorobenzene	25	24.3	97	82-112
75-00-3	Chloroethane	25	31.2	125	67-148
67-66-3	Chloroform	25	24.0	96	78-118
110-75-8	2-Chloroethyl vinyl ether	125	157	126	23-132
56-23-5	Carbon tetrachloride	25	25.3	101	69-137
75-34-3	1,1-Dichloroethane	25	24.7	99	75-117
75-35-4	1,1-Dichloroethylene	25	26.9	108	67-134
107-06-2	1,2-Dichloroethane	25	23.8	95	68-121
78-87-5	1,2-Dichloropropane	25	24.5	98	78-122
124-48-1	Dibromochloromethane	25	23.5	94	68-118
75-71-8	Dichlorodifluoromethane	25	48.4	194*	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.2	101	81-120
10061-01-5	cis-1,3-Dichloropropene	25	23.6	94	73-115
541-73-1	m-Dichlorobenzene	25	23.7	95	78-116
95-50-1	o-Dichlorobenzene	25	23.5	94	77-115
106-46-7	p-Dichlorobenzene	25	23.1	92	77-113
156-60-5	trans-1,2-Dichloroethylene	25	24.9	100	74-125
10061-02-6	trans-1,3-Dichloropropene	25	20.7	83	69-115
100-41-4	Ethylbenzene	25	23.5	94	82-115
74-83-9	Methyl bromide	25	33.1	132	60-165
74-87-3	Methyl chloride	25	34.6	138	58-152
75-09-2	Methylene chloride	25	24.3	97	66-125
1634-04-4	Methyl Tert Butyl Ether	25	26.9	108	67-127
71-55-6	1,1,1-Trichloroethane	25	24.8	99	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	23.2	93	67-119
79-00-5	1,1,2-Trichloroethane	25	24.0	96	74-115
127-18-4	Tetrachloroethylene	25	26.2	105	75-126
108-88-3	Toluene	25	24.3	97	81-114
79-01-6	Trichloroethylene	25	24.3	97	80-115
75-69-4	Trichlorofluoromethane	25	27.3	109	65-163
75-01-4	Vinyl chloride	25	34.9	140	70-151
	m,p-Xylene	50	46.0	92	83-118
95-47-6	o-Xylene	25	23.8	95	77-119

Blank Spike Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VM265-BS	M0006171.D	1	07/20/05	NJ	n/a	n/a	VM265

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

F33040-1, F33040-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	106%	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	96%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33039-4MS	C0033872.D	5	07/14/05	KW	n/a	n/a	VC1379
F33039-4MSD	C0033873.D	5	07/15/05	KW	n/a	n/a	VC1379
F33039-4	C0033871.D	5	07/14/05	KW	n/a	n/a	VC1379

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

F33040-3, F33040-4

CAS No.	Compound	F33039-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	5.0 U		125	123	98	120	96	2	72-125/7
75-27-4	Bromodichloromethane	5.0 U		125	120	96	120	96	0	72-120/8
75-25-2	Bromoform	5.0 U		125	103	82	104	83	1	55-127/11
108-90-7	Chlorobenzene	5.0 U		125	118	94	118	94	0	79-113/7
75-00-3	Chloroethane	10 U		125	124	99	121	97	2	56-164/14
67-66-3	Chloroform	468		125	587	95	576	86	2	75-120/8
110-75-8	2-Chloroethyl vinyl ether	25 U		625	ND	0*	ND	0*	nc	8-137/18
56-23-5	Carbon tetrachloride	5.0 U		125	125	100	123	98	2	56-145/12
75-34-3	1,1-Dichloroethane	5.0 U		125	121	97	118	94	3	70-122/10
75-35-4	1,1-Dichloroethylene	5.0 U		125	111	89	115	92	4	61-137/15
107-06-2	1,2-Dichloroethane	5.0 U		125	116	93	114	91	2	64-124/7
78-87-5	1,2-Dichloropropane	5.0 U		125	120	96	118	94	2	74-123/8
124-48-1	Dibromochloromethane	5.0 U		125	110	88	110	88	0	63-119/9
75-71-8	Dichlorodifluoromethane	5.0 U		125	95.3	76	94.3	75	1	35-184/21
156-59-2	cis-1,2-Dichloroethylene	5.0 U		125	127	102	125	100	2	74-125/9
10061-01-5	cis-1,3-Dichloropropene	5.0 U		125	108	86	108	86	0	65-112/10
541-73-1	m-Dichlorobenzene	5.0 U		125	109	87	107	86	2	74-114/7
95-50-1	o-Dichlorobenzene	5.0 U		125	108	86	105	84	3	73-114/8
106-46-7	p-Dichlorobenzene	5.0 U		125	121	97	118	94	3	74-112/7
156-60-5	trans-1,2-Dichloroethylene	5.0 U		125	120	96	119	95	1	70-127/11
10061-02-6	trans-1,3-Dichloropropene	5.0 U		125	108	86	108	86	0	59-116/11
100-41-4	Ethylbenzene	5.0 U		125	125	100	126	101	1	73-119/8
74-83-9	Methyl bromide	10 U		125	118	94	120	96	2	52-172/16
74-87-3	Methyl chloride	10 U		125	105	84	107	86	2	53-155/19
75-09-2	Methylene chloride	25 U		125	121	97	119	95	2	61-129/11
1634-04-4	Methyl Tert Butyl Ether	5.0 U		125	129	103	127	102	2	61-129/9
71-55-6	1,1,1-Trichloroethane	5.0 U		125	124	99	126	101	2	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	5.0 U		125	102	82	101	81	1	64-120/10
79-00-5	1,1,2-Trichloroethane	5.0 U		125	113	90	110	88	3	72-116/9
127-18-4	Tetrachloroethylene	5.0 U		125	132	106	131	105	1	70-126/9
108-88-3	Toluene	5.0 U		125	137	110	136	109	1	67-123/8
79-01-6	Trichloroethylene	5.0 U		125	117	94	115	92	2	73-117/10
75-69-4	Trichlorofluoromethane	10 U		125	121	97	120	96	1	52-164/16
75-01-4	Vinyl chloride	5.0 U		125	125	100	129	103	3	63-161/18
	m,p-Xylene	10 U		250	250	100	249	100	0	74-123/7
95-47-6	o-Xylene	5.0 U		125	126	101	127	102	1	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33039-4MS	C0033872.D	5	07/14/05	KW	n/a	n/a	VC1379
F33039-4MSD	C0033873.D	5	07/15/05	KW	n/a	n/a	VC1379
F33039-4	C0033871.D	5	07/14/05	KW	n/a	n/a	VC1379

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

F33040-3, F33040-4

CAS No.	Surrogate Recoveries	MS	MSD	F33039-4	Limits
1868-53-7	Dibromofluoromethane	103%	103%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	103%	96%	73-126%
2037-26-5	Toluene-D8	99%	100%	106%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	104%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33040-1MS	M0006185.D	100	07/20/05	NJ	n/a	n/a	VM265
F33040-1MSD	M0006186.D	100	07/20/05	NJ	n/a	n/a	VM265
F33040-1	M0006184.D	100	07/20/05	NJ	n/a	n/a	VM265

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

F33040-1, F33040-2

CAS No.	Compound	F33040-1 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	100	U	2500	2320	93	2280	91	2	72-125/7
75-27-4	Bromodichloromethane	100	U	2500	2430	97	2350	94	3	72-120/8
75-25-2	Bromoform	100	U	2500	2180	87	2140	86	2	55-127/11
108-90-7	Chlorobenzene	100	U	2500	2340	94	2290	92	2	79-113/7
75-00-3	Chloroethane	200	U	2500	2540	102	2510	100	1	56-164/14
67-66-3	Chloroform	100	U	2500	2370	95	2320	93	2	75-120/8
110-75-8	2-Chloroethyl vinyl ether	500	U	12500	15500	124	14400	115	7	8-137/18
56-23-5	Carbon tetrachloride	100	U	2500	2440	98	2390	96	2	56-145/12
75-34-3	1,1-Dichloroethane	100	U	2500	2380	95	2380	95	0	70-122/10
75-35-4	1,1-Dichloroethylene	100	U	2500	2620	105	2550	102	3	61-137/15
107-06-2	1,2-Dichloroethane	100	U	2500	2400	96	2410	96	0	64-124/7
78-87-5	1,2-Dichloropropane	100	U	2500	2420	97	2370	95	2	74-123/8
124-48-1	Dibromochloromethane	100	U	2500	2420	97	2360	94	3	63-119/9
75-71-8	Dichlorodifluoromethane	100	U	2500	4900	196*	4830	193*	1	35-184/21
156-59-2	cis-1,2-Dichloroethylene	2440		2500	4980	102	4900	98	2	74-125/9
10061-01-5	cis-1,3-Dichloropropene	100	U	2500	2390	96	2310	92	3	65-112/10
541-73-1	m-Dichlorobenzene	100	U	2500	2310	92	2290	92	1	74-114/7
95-50-1	o-Dichlorobenzene	100	U	2500	2310	92	2310	92	0	73-114/8
106-46-7	p-Dichlorobenzene	100	U	2500	2240	90	2230	89	0	74-112/7
156-60-5	trans-1,2-Dichloroethylene	100	U	2500	2490	100	2440	98	2	70-127/11
10061-02-6	trans-1,3-Dichloropropene	100	U	2500	2140	86	2110	84	1	59-116/11
100-41-4	Ethylbenzene	100	U	2500	2310	92	2240	90	3	73-119/8
74-83-9	Methyl bromide	200	U	2500	2610	104	2640	106	1	52-172/16
74-87-3	Methyl chloride	200	U	2500	3310	132	3220	129	3	53-155/19
75-09-2	Methylene chloride	500	U	2500	2320	93	2300	92	1	61-129/11
1634-04-4	Methyl Tert Butyl Ether	100	U	2500	2760	110	2780	111	1	61-129/9
71-55-6	1,1,1-Trichloroethane	100	U	2500	2390	96	2330	93	3	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	100	U	2500	2510	100	2510	100	0	64-120/10
79-00-5	1,1,2-Trichloroethane	100	U	2500	2360	94	2330	93	1	72-116/9
127-18-4	Tetrachloroethylene	100	U	2500	2560	102	2510	100	2	70-126/9
108-88-3	Toluene	100	U	2500	2350	94	2340	94	0	67-123/8
79-01-6	Trichloroethylene	4220		2500	6520	92	6250	81	4	73-117/10
75-69-4	Trichlorofluoromethane	200	U	2500	1960	78	1990	80	2	52-164/16
75-01-4	Vinyl chloride	641		2500	3640	120	3600	118	1	63-161/18
	m,p-Xylene	200	U	5000	4610	92	4520	90	2	74-123/7
95-47-6	o-Xylene	100	U	2500	2420	97	2360	94	3	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33040-1MS	M0006185.D	100	07/20/05	NJ	n/a	n/a	VM265
F33040-1MSD	M0006186.D	100	07/20/05	NJ	n/a	n/a	VM265
F33040-1	M0006184.D	100	07/20/05	NJ	n/a	n/a	VM265

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

F33040-1, F33040-2

CAS No.	Surrogate Recoveries	MS	MSD	F33040-1	Limits
1868-53-7	Dibromofluoromethane	103%	104%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	103%	104%	100%	73-126%
2037-26-5	Toluene-D8	98%	100%	96%	86-112%
460-00-4	4-Bromofluorobenzene	99%	99%	100%	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: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-MB	L026794.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

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

Method Blank Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-MB	L026794.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

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

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	43%	19-90%
4165-62-2	Phenol-d5	25%	10-68%

Method Blank Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-MB	L026794.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	85%	36-137%
4165-60-0	Nitrobenzene-d5	74%	49-119%
321-60-8	2-Fluorobiphenyl	78%	45-118%
1718-51-0	Terphenyl-d14	85%	46-135%

Blank Spike Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-BS	L026793.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
95-57-8	2-Chlorophenol	50	34.2	68	62-103
59-50-7	4-Chloro-3-methyl phenol	50	37.3	75	64-103
120-83-2	2,4-Dichlorophenol	50	38.7	77	59-103
105-67-9	2,4-Dimethylphenol	50	34.5	69	43-94
51-28-5	2,4-Dinitrophenol	100	57.7	58	12-125
534-52-1	4,6-Dinitro-o-cresol	100	88.7	89	47-119
95-48-7	2-Methylphenol	50	29.0	58	54-91
	3&4-Methylphenol	100	50.8	51	48-86
88-75-5	2-Nitrophenol	50	37.4	75	64-104
100-02-7	4-Nitrophenol	100	30.2	30	22-50
87-86-5	Pentachlorophenol	100	91.0	91	50-111
108-95-2	Phenol	50	15.1	30	25-53
95-95-4	2,4,5-Trichlorophenol	50	41.2	82	66-104
88-06-2	2,4,6-Trichlorophenol	50	41.1	82	60-103
83-32-9	Acenaphthene	50	39.5	79	62-101
208-96-8	Acenaphthylene	50	38.7	77	65-113
120-12-7	Anthracene	50	42.8	86	69-107
56-55-3	Benzo(a)anthracene	50	43.5	87	68-106
50-32-8	Benzo(a)pyrene	50	41.8	84	70-114
205-99-2	Benzo(b)fluoranthene	50	43.9	88	68-110
191-24-2	Benzo(g,h,i)perylene	50	44.0	88	63-115
207-08-9	Benzo(k)fluoranthene	50	44.0	88	68-112
101-55-3	4-Bromophenyl phenyl ether	50	44.7	89	73-103
85-68-7	Butyl benzyl phthalate	50	43.5	87	69-108
100-51-6	Benzyl Alcohol	50	29.4	59	34-104
91-58-7	2-Chloronaphthalene	50	37.3	75	64-102
106-47-8	4-Chloroaniline	50	35.9	72	57-104
86-74-8	Carbazole	50	44.7	89	69-113
218-01-9	Chrysene	50	43.7	87	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	36.4	73	57-103
111-44-4	bis(2-Chloroethyl)ether	50	36.5	73	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	33.5	67	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	41.7	83	71-104
95-50-1	1,2-Dichlorobenzene	50	27.0	54*	62-100
541-73-1	1,3-Dichlorobenzene	50	24.7	49*	59-99
106-46-7	1,4-Dichlorobenzene	50	25.5	51*	60-101

Blank Spike Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-BS	L026793.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
121-14-2	2,4-Dinitrotoluene	50	40.7	81	65-111
606-20-2	2,6-Dinitrotoluene	50	40.1	80	77-111
91-94-1	3,3'-Dichlorobenzidine	50	44.0	88	42-110
53-70-3	Dibenzo(a,h)anthracene	50	44.2	88	62-115
132-64-9	Dibenzofuran	50	41.5	83	69-104
84-74-2	Di-n-butyl phthalate	50	42.5	85	68-109
117-84-0	Di-n-octyl phthalate	50	44.5	89	63-120
84-66-2	Diethyl phthalate	50	41.4	83	64-110
131-11-3	Dimethyl phthalate	50	42.2	84	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	43.9	88	64-115
206-44-0	Fluoranthene	50	44.0	88	68-111
86-73-7	Fluorene	50	40.4	81	66-105
118-74-1	Hexachlorobenzene	50	43.7	87	69-103
87-68-3	Hexachlorobutadiene	50	26.0	52*	55-90
77-47-4	Hexachlorocyclopentadiene	50	18.6	37	26-95
67-72-1	Hexachloroethane	50	22.2	44*	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	45.3	91	63-118
78-59-1	Isophorone	50	38.1	76	64-107
91-57-6	2-Methylnaphthalene	50	36.9	74	66-100
88-74-4	2-Nitroaniline	50	40.6	81	65-111
99-09-2	3-Nitroaniline	50	39.1	78	61-106
100-01-6	4-Nitroaniline	50	40.8	82	60-113
91-20-3	Naphthalene	50	33.0	66	62-101
98-95-3	Nitrobenzene	50	37.6	75	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	33.1	66	64-109
86-30-6	N-Nitrosodiphenylamine	50	45.4	91	69-114
85-01-8	Phenanthrene	50	43.8	88	68-104
129-00-0	Pyrene	50	44.4	89	64-105
120-82-1	1,2,4-Trichlorobenzene	50	30.6	61*	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	42%	19-90%
4165-62-2	Phenol-d5	26%	10-68%
118-79-6	2,4,6-Tribromophenol	86%	36-137%

Blank Spike Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-BS	L026793.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

CAS No.	Surrogate Recoveries	BSP	Limits
4165-60-0	Nitrobenzene-d5	74%	49-119%
321-60-8	2-Fluorobiphenyl	79%	45-118%
1718-51-0	Terphenyl-d14	84%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-MS	L026796.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409
OP13799-MSD	L026797.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409
F33039-5	L026795.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

CAS No.	Compound	F33039-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
95-57-8	2-Chlorophenol	4.8 U		96.2	59.6	62	59.3	62	1	53-102/24
59-50-7	4-Chloro-3-methyl phenol	4.8 U		96.2	72.4	75	68.5	71	6	60-101/18
120-83-2	2,4-Dichlorophenol	4.8 U		96.2	70.6	73	70.2	73	1	55-100/24
105-67-9	2,4-Dimethylphenol	4.8 U		96.2	62.3	65	61.2	64	2	36-98/26
51-28-5	2,4-Dinitrophenol	24 U		192	107	56	61.0	32	55*	14-135/39
534-52-1	4,6-Dinitro-o-cresol	9.6 U		192	169	88	155	81	9	40-127/24
95-48-7	2-Methylphenol	4.8 U		96.2	57.7	60	57.3	60	1	46-100/23
	3&4-Methylphenol	4.8 U		192	108	56	108	56	0	43-100/23
88-75-5	2-Nitrophenol	4.8 U		96.2	65.6	68	64.8	67	1	53-104/25
100-02-7	4-Nitrophenol	24 U		192	100	52	85.5	44	16	32-81/28
87-86-5	Pentachlorophenol	24 U		192	189	98	172	89	9	44-118/16
108-95-2	Phenol	4.8 U		96.2	41.2	43	40.2	42	2	31-77/26
95-95-4	2,4,5-Trichlorophenol	4.8 U		96.2	77.9	81	73.7	77	6	61-102/18
88-06-2	2,4,6-Trichlorophenol	8.9		96.2	85.8	80	81.4	75	5	55-103/21
83-32-9	Acenaphthene	4.8 U		96.2	74.6	78	70.9	74	5	55-103/20
208-96-8	Acenaphthylene	4.8 U		96.2	74.1	77	69.2	72	7	55-113/20
120-12-7	Anthracene	4.8 U		96.2	83.6	87	77.0	80	8	66-105/14
56-55-3	Benzo(a)anthracene	4.8 U		96.2	85.4	89	77.4	80	10	65-103/16
50-32-8	Benzo(a)pyrene	4.8 U		96.2	82.0	85	74.8	78	9	65-113/16
205-99-2	Benzo(b)fluoranthene	4.8 U		96.2	86.1	90	77.1	80	11	62-110/17
191-24-2	Benzo(g,h,i)perylene	4.8 U		96.2	89.3	93	80.0	83	11	58-111/17
207-08-9	Benzo(k)fluoranthene	4.8 U		96.2	87.3	91	80.5	84	8	63-110/17
101-55-3	4-Bromophenyl phenyl ether	4.8 U		96.2	86.4	90	80.0	83	8	68-102/16
85-68-7	Butyl benzyl phthalate	4.8 U		96.2	84.8	88	77.4	80	9	65-108/17
100-51-6	Benzyl Alcohol	4.8 U		96.2	63.9	66	61.9	64	3	48-106/24
91-58-7	2-Chloronaphthalene	4.8 U		96.2	69.8	73	67.9	71	3	58-101/22
106-47-8	4-Chloroaniline	9.6 U		96.2	66.2	69	61.9	64	7	39-101/21
86-74-8	Carbazole	4.8 U		96.2	89.9	93	81.5	85	10	66-109/16
218-01-9	Chrysene	4.8 U		96.2	87.2	91	79.5	83	9	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	4.8 U		96.2	65.8	68	64.8	67	2	49-100/24
111-44-4	bis(2-Chloroethyl)ether	4.8 U		96.2	64.6	67	63.8	66	1	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	4.8 U		96.2	60.5	63	59.5	62	2	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	4.8 U		96.2	79.6	83	74.4	77	7	65-103/18
95-50-1	1,2-Dichlorobenzene	4.8 U		96.2	56.4	59	53.3	55	6	50-101/22
541-73-1	1,3-Dichlorobenzene	4.8 U		96.2	53.8	56	51.2	53	5	50-100/23
106-46-7	1,4-Dichlorobenzene	4.8 U		96.2	54.0	56	52.8	55	2	51-101/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-MS	L026796.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409
OP13799-MSD	L026797.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409
F33039-5	L026795.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

CAS No.	Compound	F33039-5 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
121-14-2	2,4-Dinitrotoluene	4.8 U		96.2	76.9	80	71.9	75	7	60-110/16
606-20-2	2,6-Dinitrotoluene	4.8 U		96.2	76.8	80	70.9	74	8	60-111/19
91-94-1	3,3'-Dichlorobenzidine	9.6 U		96.2	85.1	89	72.3	75	16	18-112/22
53-70-3	Dibenzo(a,h)anthracene	4.8 U		96.2	88.2	92	80.2	83	10	57-111/20
132-64-9	Dibenzofuran	4.8 U		96.2	78.3	81	72.6	76	8	64-102/17
84-74-2	Di-n-butyl phthalate	4.8 U		96.2	85.7	89	78.8	82	8	63-107/17
117-84-0	Di-n-octyl phthalate	4.8 U		96.2	87.7	91	79.7	83	10	58-126/23
84-66-2	Diethyl phthalate	4.8 U		96.2	80.0	83	72.8	76	9	59-110/18
131-11-3	Dimethyl phthalate	4.8 U		96.2	80.7	84	74.5	77	8	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	4.8 U		96.2	86.3	90	80.3	84	7	55-120/22
206-44-0	Fluoranthene	4.8 U		96.2	86.8	90	81.7	85	6	62-108/17
86-73-7	Fluorene	4.8 U		96.2	76.9	80	70.8	74	8	60-105/17
118-74-1	Hexachlorobenzene	4.8 U		96.2	84.6	88	79.4	83	6	64-102/16
87-68-3	Hexachlorobutadiene	4.8 U		96.2	59.9	62	56.9	59	5	45-93/26
77-47-4	Hexachlorocyclopentadiene	4.8 U		96.2	36.9	38	36.3	38	2	20-92/34
67-72-1	Hexachloroethane	4.8 U		96.2	52.5	55	49.1	51	7	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	4.8 U		96.2	89.9	93	81.4	85	10	61-111/19
78-59-1	Isophorone	4.8 U		96.2	69.3	72	66.2	69	5	59-103/23
91-57-6	2-Methylnaphthalene	4.8 U		96.2	68.9	72	67.1	70	3	56-100/23
88-74-4	2-Nitroaniline	9.6 U		96.2	79.7	83	73.7	77	8	61-107/18
99-09-2	3-Nitroaniline	9.6 U		96.2	75.3	78	64.2	67	16	47-107/26
100-01-6	4-Nitroaniline	9.6 U		96.2	79.8	83	71.3	74	11	48-119/21
91-20-3	Naphthalene	4.8 U		96.2	63.9	66	61.6	64	4	52-102/23
98-95-3	Nitrobenzene	4.8 U		96.2	66.6	69	65.4	68	2	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	4.8 U		96.2	57.4	60	57.5	60	0	57-103/24
86-30-6	N-Nitrosodiphenylamine	4.8 U		96.2	85.1	89	79.4	83	7	62-112/16
85-01-8	Phenanthrene	4.8 U		96.2	84.6	88	79.4	83	6	64-103/15
129-00-0	Pyrene	4.8 U		96.2	86.2	90	78.9	82	9	59-107/21
120-82-1	1,2,4-Trichlorobenzene	4.8 U		96.2	62.7	65	60.1	63	4	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F33039-5	Limits
367-12-4	2-Fluorophenol	52%	54%	34%	19-90%
4165-62-2	Phenol-d5	40%	39%	21%	10-68%
118-79-6	2,4,6-Tribromophenol	90%	83%	78%	36-137%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33040
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP13799-MS	L026796.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409
OP13799-MSD	L026797.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409
F33039-5	L026795.D	1	07/12/05	NJ	07/11/05	OP13799	SL1409

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

F33040-4

CAS No.	Surrogate Recoveries	MS	MSD	F33039-5	Limits
4165-60-0	Nitrobenzene-d5	68%	67%	61%	49-119%
321-60-8	2-Fluorobiphenyl	76%	73%	66%	45-118%
1718-51-0	Terphenyl-d14	87%	79%	70%	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: F33040
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8284
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 07/15/05

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6		
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	.4		
Iron	300	7.1	5.3	<300
Lead	5.0	1.2	anr	
Magnesium	5000	9.9		
Manganese	15	.2		
Molybdenum	50	.8		
Nickel	40	1.1		
Potassium	5000	14		
Selenium	10	2		
Silver	10	.6		
Sodium	5000	150		
Thallium	10	1.5		
Tin	50	1.5		
Vanadium	50	.5		
Zinc	20	.6		

Associated samples MP8284: F33040-3, F33040-4

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: F33040
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8284
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			07/15/05					07/15/05	
Metal	F33010-2 Original	DUP	RPD	QC Limits	F33010-2 Original	MS	Spikelot MPFLICP	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron	4240	4010	5.6	0-14	4240	30600	27000	97.6	76-125
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP8284: F33040-3, F33040-4

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: F33040
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8284
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 07/15/05

Metal	F33010-2 Original	MSD	Spikelot MPFLICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron	4240	30500	27000	97.3	0.3	20
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP8284: F33040-3, F33040-4

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: F33040
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8284
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 07/15/05

Metal	BSP Result	Spikelot MPFLICP	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	27500	27000	101.9	80-120
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8284: F33040-3, F33040-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: F33040
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8284
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 07/15/05

Metal	F33010-2 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	4240	4350	2.6	0-10
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8284: F33040-3, F33040-4

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

Southeast ACCUTEST Laboratories

10/24/05

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F33041

Sampling Date: 07/06/05

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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Accutest LabLink@41810 12:21 24-Oct-2005

Sample Summary

S M Stoller

Job No: F33041

Star Center-B100 Monthly/Effluent; Largo, FL
Project No: 7030-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F33041-1	07/06/05	10:47	JPC	07/06/05	AQ	Ground Water	PIN12-TRTE-N002*B100

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F33041

Site: Star Center-B100 Monthly/Effluent; Largo, FL **Report Date** 7/19/2005

1 Sample was collected on 07/06/2005 and were received at Accutest on 07/06/2005 properly preserved, at 1.8 Deg. C and intact. These Samples received an Accutest job number of F33041.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:** VC1379

All method blanks for this batch meet method specific criteria.

Samples F33039-4MS, F33039-4MSD were used as the QC samples indicated.

F33041-1: 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: July 20, 2005

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

Report of Analysis

Client Sample ID:	PIN12-TRTE-N002*B100		
Lab Sample ID:	F33041-1	**Date Sampled:**	07/06/05
Matrix:	AQ - Ground Water	**Date Received:**	07/06/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100 Monthly/Effluent; Largo, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	C0033877.D	1	07/15/05	KW	n/a	n/a	VC1379
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]	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	0.50 U	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	102%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	104%		83-119%

(a) Sample collected on 07/06/05 at 10:47.
(b) Sample was treated with an anti-foaming agent.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range
I = Result > = MDL but < RL J = Estimated value
V = 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 #: F33041
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 sample
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	HNO3	H2SO4	NONE	BTEX, Total VOAs (by 624)	LAB USE ONLY
1)	PIN12-TRTE-N002 * B100	7-6-05	1047	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]	7-6-05	1. [signature] 7/6/05 13:30	2. [signature]	07/06/05 1700	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 1.8 °C

4.1 4

F33041: Chain of Customy
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F33041 CLIENT: SM Stolen PROJECT: Stan Monthly EFF

DATE/TIME RECEIVED: 076665 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 1.8°

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

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? 0

NUMBER OF 5035 FIELD KITS ? 0

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE 076665 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1

4

F33041: 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: F33041
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1379-MB	C0033869.D	1	07/14/05	KW	n/a	n/a	VC1379

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

F33041-1

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	97%	86-115%
17060-07-0	1,2-Dichloroethane-D4	97%	73-126%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	106%	83-119%

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

(a) No TICs detected.

Blank Spike Summary

Job Number: F33041
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VC1379-BS	C0033868.D	1	07/14/05	KW	n/a	n/a	VC1379

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

F33041-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.8	95	80-120
100-41-4	Ethylbenzene	25	24.2	97	82-115
108-88-3	Toluene	25	26.8	107	81-114
	m,p-Xylene	50	49.2	98	83-118
95-47-6	o-Xylene	25	24.8	99	77-119

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	99%	86-112%
460-00-4	4-Bromofluorobenzene	97%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33041
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33039-4MS	C0033872.D	5	07/14/05	KW	n/a	n/a	VC1379
F33039-4MSD	C0033873.D	5	07/15/05	KW	n/a	n/a	VC1379
F33039-4	C0033871.D	5	07/14/05	KW	n/a	n/a	VC1379

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

F33041-1

CAS No.	Compound	F33039-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	5.0 U		125	123	98	120	96	2	72-125/7
100-41-4	Ethylbenzene	5.0 U		125	125	100	126	101	1	73-119/8
108-88-3	Toluene	5.0 U		125	137	110	136	109	1	67-123/8
	m,p-Xylene	10 U		250	250	100	249	100	0	74-123/7
95-47-6	o-Xylene	5.0 U		125	126	101	127	102	1	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F33039-4	Limits
1868-53-7	Dibromofluoromethane	103%	103%	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	103%	96%	73-126%
2037-26-5	Toluene-D8	99%	100%	106%	86-112%
460-00-4	4-Bromofluorobenzene	98%	98%	104%	83-119%

Southeast ACCUTEST Laboratories

10/24/05

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F33826

Sampling Date: 08/04/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

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

ACCREDITED IN ACCORDANCE WITH nelac

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

Harry Behzadi, Ph.D.
Laboratory Director

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

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Accutest LabLink@41810 12:25 24-Oct-2005

Sample Summary

S M Stoller

Job No: F33826

Star Center-B100 Monthly/Effluent; Largo, FL
Project No: 7030-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F33826-1	08/04/05	10:23	JPC	08/04/05	AQ	Ground Water	PIN12-TRTE-N002*B100

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F33826

Site: Star Center-B100 Monthly/Effluent; Largo, FL **Report Date** 8/19/2005

1 Sample was collected on 08/04/2005 and were received at Accutest on 08/04/2005 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F33826.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:** VB1370

All method blanks for this batch meet method specific criteria.
F33826-1: 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: August 22, 2005

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

Report of Analysis

Client Sample ID:	PIN12-TRTE-N002*B100		
Lab Sample ID:	F33826-1	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100 Monthly/Effluent; Largo, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B032497.D	1	08/17/05	KW	n/a	n/a	VB1370
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]	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	0.50 U	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	114%		83-119%

(a) Sample collected on 08/04/05 at 10:23.
(b) Sample was treated with an anti-foaming agent.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range
I = Result > = MDL but < RL J = Estimated value
V = 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 #: F33826
ACCUTEST QUOTE #:

CLIENT INFORMATION

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

FACILITY INFORMATION

PROJECT NAME: STAR Center - Monthly effluent sample B100
LOCATION: 7030-226
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

BTEX, Total VOAs (by 624)

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	BTEX, Total VOAs (by 624)	LAB USE ONLY
1	PIN12-TRTE-N002 * B100	8-4-05	1023	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
Toluene
Ethylbenzene
Xylenes
Total VOAs

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

RELINQUISHED BY SAMPLER:	DATE TIME:	RECEIVED BY:	RELINQUISHED BY:	DATE TIME:	RECEIVED BY:
1. J.P. Cal	8-4-05 / 1310	1. M-Vill 8/8/05	2. M-Vill	8-5-05 13:10	2. Steven Brown
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 2.0 C

F33826: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F33826 CLIENT: S.M. Stoller PROJECT: Star Center - monthly

DATE/TIME RECEIVED: 8-6-05/ 13:10 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

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

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] / 8-6-05 TECHNICIAN SIGNATURE/DATE [signature]

ASBD06/22/05

4.1

4

F33826: 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: F33826
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1370-MB	B032493.D	1	08/17/05	KW	n/a	n/a	VB1370

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

F33826-1

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	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	99%	73-126%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	106%	83-119%

Blank Spike Summary

Job Number: F33826
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1370-BS	B032492.D	1	08/17/05	KW	n/a	n/a	VB1370

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

F33826-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.9	100	80-120
100-41-4	Ethylbenzene	25	25.8	103	82-115
108-88-3	Toluene	25	25.1	100	81-114
	m,p-Xylene	50	47.9	96	83-118
95-47-6	o-Xylene	25	23.7	95	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	104%	73-126%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	98%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33826
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33828-3MS	B032500.D	20	08/17/05	KW	n/a	n/a	VB1370
F33828-3MSD	B032501.D	20	08/17/05	KW	n/a	n/a	VB1370
F33828-3	B032498.D	20	08/17/05	KW	n/a	n/a	VB1370

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

F33826-1

CAS No.	Compound	F33828-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20	U	500	498	100	461	92	8*	72-125/7
100-41-4	Ethylbenzene	20	U	500	506	101	457	91	10*	73-119/8
108-88-3	Toluene	20	U	500	484	97	439	88	10*	67-123/8
	m,p-Xylene	40	U	1000	927	93	852	85	8*	74-123/7
95-47-6	o-Xylene	20	U	500	459	92	426	85	7	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F33828-3	Limits
1868-53-7	Dibromofluoromethane	101%	100%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	99%	73-126%
2037-26-5	Toluene-D8	100%	97%	101%	86-112%
460-00-4	4-Bromofluorobenzene	94%	97%	105%	83-119%

Southeast ACCUTEST Laboratories

10/24/05

Technical Report for

S M Stoller

Star Center-B100

7030-226

Accutest Job Number: F33828

Sampling Date: 08/04/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **54**

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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Accutest LabLink@41810 12:22 24-Oct-2005

Sample Summary

S M Stoller

Job No: F33828

Star Center-B100
Project No: 7030-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F33828-1	08/04/05	09:35	JPC	08/04/05	AQ	Ground Water	PIN12-RW01-N001
F33828-2	08/04/05	09:37	JPC	08/04/05	AQ	Ground Water	PIN12-RW02-N001
F33828-3	08/04/05	10:15	JPC	08/04/05	AQ	Ground Water	PIN12-TRTI-N001
F33828-4	08/04/05	10:20	JPC	08/04/05	AQ	Ground Water	PIN12-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F33828

Site: Star Center-B100 **Report Date** 8/19/2005

Samples were collected on 08/04/2005 and were received at Accutest on 08/04/2005 properly preserved, at 3 Deg. C and intact. These Samples received an Accutest job number of F33828.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:** VB1370

Samples F33828-3MS, F33828-3MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Matrix Spike Duplicate Recovery for Chloroform is outside control limits. Probable cause due to matrix interference.

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

RPDs for MS/MSD for 1,1,1-Trichloroethane, 1,1,2,2-Tetrachloroethane, 2-Chloroethyl vinyl ether, Benzene, Chlorobenzene, Ethylbenzene, m,p-Xylene, Tetrachloroethylene, Toluene are outside control limits for sample F33828-3MSD, F33828-3MSD. Probable cause due to sample homogeneity.

F33828-4: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VB1372

Samples F33809-30MS, F33809-30MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

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

Blank Spike Recovery for 2-Chloroethyl vinyl ether is above control limits. Associated samples are non-detect for this compound. RPD for MS/MSD for 2-Chloroethyl vinyl ether is outside control limits for sample F33809-30MSD. Probable cause due to sample homogeneity.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP14084

Samples F33811-1MS, F33811-1MSD 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:** MP8404

Samples F33780-1DUP, F33780-1MS, F33780-1MSD, F33780-1SDL 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: August 22, 2005

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

Report of Analysis

Client Sample ID:	PIN12-RW01-N001		
Lab Sample ID:	F33828-1	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B032544.D	100	08/18/05	KW	n/a	n/a	VB1372
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	50 U	100	50	ug/l	
75-27-4	Bromodichloromethane	50 U	100	50	ug/l	
75-25-2	Bromoform	50 U	100	50	ug/l	
108-90-7	Chlorobenzene	50 U	100	50	ug/l	
75-00-3	Chloroethane	100 U	200	100	ug/l	
67-66-3	Chloroform	50 U	100	50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	250 U	500	250	ug/l	
56-23-5	Carbon tetrachloride	50 U	100	50	ug/l	
75-34-3	1,1-Dichloroethane	50 U	100	50	ug/l	
75-35-4	1,1-Dichloroethylene	50 U	100	50	ug/l	
107-06-2	1,2-Dichloroethane	50 U	100	50	ug/l	
78-87-5	1,2-Dichloropropane	50 U	100	50	ug/l	
124-48-1	Dibromochloromethane	40 U	100	40	ug/l	
75-71-8	Dichlorodifluoromethane	50 U	100	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2370	100	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	30 U	100	30	ug/l	
541-73-1	m-Dichlorobenzene	50 U	100	50	ug/l	
95-50-1	o-Dichlorobenzene	50 U	100	50	ug/l	
106-46-7	p-Dichlorobenzene	50 U	100	50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	50 U	100	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	30 U	100	30	ug/l	
100-41-4	Ethylbenzene	50 U	100	50	ug/l	
74-83-9	Methyl bromide	100 U	200	100	ug/l	
74-87-3	Methyl chloride	100 U	200	100	ug/l	
75-09-2	Methylene chloride	100 U	500	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	50 U	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	50 U	100	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	40 U	100	40	ug/l	
79-00-5	1,1,2-Trichloroethane	50 U	100	50	ug/l	
127-18-4	Tetrachloroethylene	50 U	100	50	ug/l	
108-88-3	Toluene	50 U	100	50	ug/l	
79-01-6	Trichloroethylene	4280	100	50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW01-N001		
Lab Sample ID:	F33828-1	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	50 U	200	50	ug/l	
75-01-4	Vinyl chloride	595	100	50	ug/l	
	m,p-Xylene	50 U	200	50	ug/l	
95-47-6	o-Xylene	50 U	100	50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	103%		73-126%
2037-26-5	Toluene-D8	102%		86-112%
460-00-4	4-Bromofluorobenzene	105%		83-119%

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW02-N001		
Lab Sample ID:	F33828-2	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B032545.D	10	08/18/05	KW	n/a	n/a	VB1372
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	5.0 U	10	5.0	ug/l	
75-27-4	Bromodichloromethane	5.0 U	10	5.0	ug/l	
75-25-2	Bromoform	5.0 U	10	5.0	ug/l	
108-90-7	Chlorobenzene	5.0 U	10	5.0	ug/l	
75-00-3	Chloroethane	10 U	20	10	ug/l	
67-66-3	Chloroform	5.0 U	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	25 U	50	25	ug/l	
56-23-5	Carbon tetrachloride	5.0 U	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	5.0 U	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	12.7	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	5.0 U	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	5.0 U	10	5.0	ug/l	
124-48-1	Dibromochloromethane	4.0 U	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	517	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	3.0 U	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	5.0 U	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	5.0 U	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	5.0 U	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	35.3	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	3.0 U	10	3.0	ug/l	
100-41-4	Ethylbenzene	5.0 U	10	5.0	ug/l	
74-83-9	Methyl bromide	10 U	20	10	ug/l	
74-87-3	Methyl chloride	10 U	20	10	ug/l	
75-09-2	Methylene chloride	10 U	50	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.0 U	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	5.0 U	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	4.0 U	10	4.0	ug/l	
79-00-5	1,1,2-Trichloroethane	5.0 U	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	5.0 U	10	5.0	ug/l	
108-88-3	Toluene	5.0 U	10	5.0	ug/l	
79-01-6	Trichloroethylene	258	10	5.0	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW02-N001		
Lab Sample ID:	F33828-2	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	5.0 U	20	5.0	ug/l	
75-01-4	Vinyl chloride	62.9	10	5.0	ug/l	
	m,p-Xylene	5.0 U	20	5.0	ug/l	
95-47-6	o-Xylene	5.0 U	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		86-115%
17060-07-0	1,2-Dichloroethane-D4	104%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	105%		83-119%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33828-3	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B032498.D	20	08/17/05	KW	n/a	n/a	VB1370
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	10 U	20	10	ug/l	
75-27-4	Bromodichloromethane	10 U	20	10	ug/l	
75-25-2	Bromoform	10 U	20	10	ug/l	
108-90-7	Chlorobenzene	10 U	20	10	ug/l	
75-00-3	Chloroethane	20 U	40	20	ug/l	
67-66-3	Chloroform	926	20	10	ug/l	
110-75-8	2-Chloroethyl vinyl ether	50 U	100	50	ug/l	
56-23-5	Carbon tetrachloride	10 U	20	10	ug/l	
75-34-3	1,1-Dichloroethane	10 U	20	10	ug/l	
75-35-4	1,1-Dichloroethylene	10 U	20	10	ug/l	
107-06-2	1,2-Dichloroethane	10 U	20	10	ug/l	
78-87-5	1,2-Dichloropropane	10 U	20	10	ug/l	
124-48-1	Dibromochloromethane	8.0 U	20	8.0	ug/l	
75-71-8	Dichlorodifluoromethane	10 U	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1490	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	6.0 U	20	6.0	ug/l	
541-73-1	m-Dichlorobenzene	10 U	20	10	ug/l	
95-50-1	o-Dichlorobenzene	10 U	20	10	ug/l	
106-46-7	p-Dichlorobenzene	10 U	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethylene	27.6	20	10	ug/l	
10061-02-6	trans-1,3-Dichloropropene	6.0 U	20	6.0	ug/l	
100-41-4	Ethylbenzene	10 U	20	10	ug/l	
74-83-9	Methyl bromide	20 U	40	20	ug/l	
74-87-3	Methyl chloride	20 U	40	20	ug/l	
75-09-2	Methylene chloride	20 U	100	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10 U	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	10 U	20	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	8.0 U	20	8.0	ug/l	
79-00-5	1,1,2-Trichloroethane	10 U	20	10	ug/l	
127-18-4	Tetrachloroethylene	10 U	20	10	ug/l	
108-88-3	Toluene	10 U	20	10	ug/l	
79-01-6	Trichloroethylene	1240	20	10	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33828-3	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	10 U	40	10	ug/l	
75-01-4	Vinyl chloride	172	20	10	ug/l	
	m,p-Xylene	10 U	40	10	ug/l	
95-47-6	o-Xylene	10 U	20	10	ug/l	

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

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33828-3	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
		Percent Solids:	n/a
Project:	Star Center-B100		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	4790	300	7.5	ug/l	1	08/08/05	08/09/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4485
(2) Prep QC Batch: MP8404

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F33828-3	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
		Percent Solids:	n/a
Project:	Star Center-B100		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	361	4.0	mg/l	1	08/18/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33828-4	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B032499.D	1	08/17/05	KW	n/a	n/a	VB1370
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	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	5.8	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	2.5 U	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33828-4	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		86-115%
17060-07-0	1,2-Dichloroethane-D4	99%		73-126%
2037-26-5	Toluene-D8	101%		86-112%
460-00-4	4-Bromofluorobenzene	116%		83-119%

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

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33828-4	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F010925.D	1	08/12/05	NJ	08/10/05	OP14084	SF605
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	9.6 U	24	9.6	ug/l	
95-57-8	2-Chlorophenol	1.9 U	4.8	1.9	ug/l	
59-50-7	4-Chloro-3-methyl phenol	1.9 U	4.8	1.9	ug/l	
120-83-2	2,4-Dichlorophenol	1.9 U	4.8	1.9	ug/l	
105-67-9	2,4-Dimethylphenol	1.9 U	4.8	1.9	ug/l	
51-28-5	2,4-Dinitrophenol	9.6 U	24	9.6	ug/l	
534-52-1	4,6-Dinitro-o-cresol	4.8 U	9.6	4.8	ug/l	
95-48-7	2-Methylphenol	1.9 U	4.8	1.9	ug/l	
	3&4-Methylphenol	1.9 U	4.8	1.9	ug/l	
88-75-5	2-Nitrophenol	1.9 U	4.8	1.9	ug/l	
100-02-7	4-Nitrophenol	9.6 U	24	9.6	ug/l	
87-86-5	Pentachlorophenol	9.6 U	24	9.6	ug/l	
108-95-2	Phenol	1.9 U	4.8	1.9	ug/l	
95-95-4	2,4,5-Trichlorophenol	1.9 U	4.8	1.9	ug/l	
88-06-2	2,4,6-Trichlorophenol	13.5	4.8	1.9	ug/l	
83-32-9	Acenaphthene	0.96 U	4.8	0.96	ug/l	
208-96-8	Acenaphthylene	0.96 U	4.8	0.96	ug/l	
120-12-7	Anthracene	0.96 U	4.8	0.96	ug/l	
56-55-3	Benzo(a)anthracene	0.96 U	4.8	0.96	ug/l	
50-32-8	Benzo(a)pyrene	0.96 U	4.8	0.96	ug/l	
205-99-2	Benzo(b)fluoranthene	0.96 U	4.8	0.96	ug/l	
191-24-2	Benzo(g,h,i)perylene	1.9 U	4.8	1.9	ug/l	
207-08-9	Benzo(k)fluoranthene	0.96 U	4.8	0.96	ug/l	
101-55-3	4-Bromophenyl phenyl ether	0.96 U	4.8	0.96	ug/l	
85-68-7	Butyl benzyl phthalate	1.9 U	4.8	1.9	ug/l	
100-51-6	Benzyl Alcohol	0.96 U	4.8	0.96	ug/l	
91-58-7	2-Chloronaphthalene	0.96 U	4.8	0.96	ug/l	
106-47-8	4-Chloroaniline	3.8 U	9.6	3.8	ug/l	
86-74-8	Carbazole	0.96 U	4.8	0.96	ug/l	
218-01-9	Chrysene	0.96 U	4.8	0.96	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	0.96 U	4.8	0.96	ug/l	
111-44-4	bis(2-Chloroethyl)ether	1.9 U	4.8	1.9	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33828-4	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

ABN TCL List

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

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	36%		19-90%
4165-62-2	Phenol-d5	24%		10-68%
118-79-6	2,4,6-Tribromophenol	79%		36-137%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33828-4	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	66%		49-119%
321-60-8	2-Fluorobiphenyl	75%		45-118%
1718-51-0	Terphenyl-d14	76%		46-135%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33828-4	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
		Percent Solids:	n/a
Project:	Star Center-B100		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	4610	300	7.5	ug/l	1	08/08/05	08/09/05	RS	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4485
(2) Prep QC Batch: MP8404

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F33828-4	**Date Sampled:**	08/04/05
Matrix:	AQ - Ground Water	**Date Received:**	08/04/05
		Percent Solids:	n/a
Project:	Star Center-B100		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	347	4.0	mg/l	1	08/18/05	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 #: F33828
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
B100
LOCATION: 7030-226
PROJECT NO.:
FAX #:

ANALYTICAL INFORMATION

MATRIX CODES

DW - DRINKING WATER
GW - GROUND WATER
WW - WASTE WATER
SO - SOIL
SL - SLUDGE
OI - OIL
LIQ - OTHER LIQUID
SOL - OTHER SOLID

ACCUTEST SAMPLE #	FIELD ID / POINT OF COLLECTION	COLLECTION DATE	COLLECTION TIME	SAMPLED BY:	MATRIX	# OF BOTTLES	PRESERVATION HCl	NaOH	HNO3	H2SO4	NONE	VOCs - 8260	VOCs - 624	SVOCs - 625	Fe + Hardness	LAB USE ONLY
1	PIN12-RW01-N001	8-4-05	0935	JPC	GW	3	3					3				
2	PIN12-RW02-N001	↓	0937	↓	↓	3	3					3				
3	PIN12-TRTI-N001		1015			4	3	1					3		1	
4	PIN12-TRTE-N001	↓	1020	↓	↓	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. JPC	8-4-05 1310	1. [illegible] 8/4/05 13:10	2. [illegible]	8-4-05 13:10	2. Steven Brown
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 3.0 C

F33828: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F33828 CLIENT: S.M. Stoller PROJECT: Star Center - monthly

DATE/TIME RECEIVED: 8-4-05 / 13:10 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 3.0

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

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE Steven Cooper / 8-4-05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1

4

F33828: Chain of Custody

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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: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1370-MB	B032493.D	1	08/17/05	KW	n/a	n/a	VB1370

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

F33828-3, F33828-4

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

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1370-MB	B032493.D	1	08/17/05	KW	n/a	n/a	VB1370

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

F33828-3, F33828-4

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

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1372-MB	B032529.D	1	08/18/05	KW	n/a	n/a	VB1372

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

F33828-1, F33828-2

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

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1372-MB	B032529.D	1	08/18/05	KW	n/a	n/a	VB1372

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

F33828-1, F33828-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	86-115%
17060-07-0	1,2-Dichloroethane-D4	97%	73-126%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	104%	83-119%

Blank Spike Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1370-BS	B032492.D	1	08/17/05	KW	n/a	n/a	VB1370

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

F33828-3, F33828-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	24.9	100	80-120
75-27-4	Bromodichloromethane	25	25.0	100	75-120
75-25-2	Bromoform	25	24.9	100	60-129
108-90-7	Chlorobenzene	25	25.4	102	82-112
75-00-3	Chloroethane	25	24.6	98	67-148
67-66-3	Chloroform	25	24.0	96	78-118
110-75-8	2-Chloroethyl vinyl ether	125	241	193*	23-132
56-23-5	Carbon tetrachloride	25	25.6	102	69-137
75-34-3	1,1-Dichloroethane	25	25.2	101	75-117
75-35-4	1,1-Dichloroethylene	25	22.4	90	67-134
107-06-2	1,2-Dichloroethane	25	24.0	96	68-121
78-87-5	1,2-Dichloropropane	25	25.1	100	78-122
124-48-1	Dibromochloromethane	25	22.1	88	68-118
75-71-8	Dichlorodifluoromethane	25	15.6	62	43-173
156-59-2	cis-1,2-Dichloroethylene	25	25.5	102	81-120
10061-01-5	cis-1,3-Dichloropropene	25	22.6	90	73-115
541-73-1	m-Dichlorobenzene	25	26.1	104	78-116
95-50-1	o-Dichlorobenzene	25	26.2	105	77-115
106-46-7	p-Dichlorobenzene	25	24.2	97	77-113
156-60-5	trans-1,2-Dichloroethylene	25	25.1	100	74-125
10061-02-6	trans-1,3-Dichloropropene	25	23.5	94	69-115
100-41-4	Ethylbenzene	25	25.8	103	82-115
74-83-9	Methyl bromide	25	25.0	100	60-165
74-87-3	Methyl chloride	25	21.1	84	58-152
75-09-2	Methylene chloride	25	23.5	94	66-125
1634-04-4	Methyl Tert Butyl Ether	25	24.4	98	67-127
71-55-6	1,1,1-Trichloroethane	25	25.6	102	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	24.0	96	67-119
79-00-5	1,1,2-Trichloroethane	25	24.2	97	74-115
127-18-4	Tetrachloroethylene	25	25.6	102	75-126
108-88-3	Toluene	25	25.1	100	81-114
79-01-6	Trichloroethylene	25	24.3	97	80-115
75-69-4	Trichlorofluoromethane	25	27.3	109	65-163
75-01-4	Vinyl chloride	25	22.3	89	70-151
	m,p-Xylene	50	47.9	96	83-118
95-47-6	o-Xylene	25	23.7	95	77-119

Blank Spike Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1370-BS	B032492.D	1	08/17/05	KW	n/a	n/a	VB1370

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

F33828-3, F33828-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	104%	73-126%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	98%	83-119%

Blank Spike Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1372-BS	B032528.D	1	08/18/05	KW	n/a	n/a	VB1372

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

F33828-1, F33828-2

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	24.7	99	75-120
75-25-2	Bromoform	25	23.5	94	60-129
108-90-7	Chlorobenzene	25	24.7	99	82-112
75-00-3	Chloroethane	25	30.1	120	67-148
67-66-3	Chloroform	25	23.3	93	78-118
110-75-8	2-Chloroethyl vinyl ether	125	240	192*	23-132
56-23-5	Carbon tetrachloride	25	25.4	102	69-137
75-34-3	1,1-Dichloroethane	25	24.8	99	75-117
75-35-4	1,1-Dichloroethylene	25	21.5	86	67-134
107-06-2	1,2-Dichloroethane	25	23.2	93	68-121
78-87-5	1,2-Dichloropropane	25	24.6	98	78-122
124-48-1	Dibromochloromethane	25	21.5	86	68-118
75-71-8	Dichlorodifluoromethane	25	32.3	129	43-173
156-59-2	cis-1,2-Dichloroethylene	25	24.5	98	81-120
10061-01-5	cis-1,3-Dichloropropene	25	22.4	90	73-115
541-73-1	m-Dichlorobenzene	25	25.4	102	78-116
95-50-1	o-Dichlorobenzene	25	25.2	101	77-115
106-46-7	p-Dichlorobenzene	25	24.3	97	77-113
156-60-5	trans-1,2-Dichloroethylene	25	24.6	98	74-125
10061-02-6	trans-1,3-Dichloropropene	25	22.5	90	69-115
100-41-4	Ethylbenzene	25	25.6	102	82-115
74-83-9	Methyl bromide	25	31.8	127	60-165
74-87-3	Methyl chloride	25	27.8	111	58-152
75-09-2	Methylene chloride	25	22.7	91	66-125
1634-04-4	Methyl Tert Butyl Ether	25	22.9	92	67-127
71-55-6	1,1,1-Trichloroethane	25	24.4	98	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	23.1	92	67-119
79-00-5	1,1,2-Trichloroethane	25	23.2	93	74-115
127-18-4	Tetrachloroethylene	25	24.9	100	75-126
108-88-3	Toluene	25	24.5	98	81-114
79-01-6	Trichloroethylene	25	23.9	96	80-115
75-69-4	Trichlorofluoromethane	25	29.6	118	65-163
75-01-4	Vinyl chloride	25	29.5	118	70-151
	m,p-Xylene	50	47.5	95	83-118
95-47-6	o-Xylene	25	23.0	92	77-119

Blank Spike Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1372-BS	B032528.D	1	08/18/05	KW	n/a	n/a	VB1372

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

F33828-1, F33828-2

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

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33828-3MS	B032500.D	20	08/17/05	KW	n/a	n/a	VB1370
F33828-3MSD	B032501.D	20	08/17/05	KW	n/a	n/a	VB1370
F33828-3	B032498.D	20	08/17/05	KW	n/a	n/a	VB1370

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

F33828-3, F33828-4

CAS No.	Compound	F33828-3 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	20 U		500	498	100	461	92	8*	72-125/7
75-27-4	Bromodichloromethane	20 U		500	495	99	469	94	5	72-120/8
75-25-2	Bromoform	20 U		500	476	95	525	105	10	55-127/11
108-90-7	Chlorobenzene	20 U		500	491	98	454	91	8*	79-113/7
75-00-3	Chloroethane	40 U		500	486	97	451	90	7	56-164/14
67-66-3	Chloroform	926		500	1400	95	1290	73*	8	75-120/8
110-75-8	2-Chloroethyl vinyl ether	100 U		2500	487	19	293	12	50*	8-137/18
56-23-5	Carbon tetrachloride	20 U		500	500	100	457	91	9	56-145/12
75-34-3	1,1-Dichloroethane	20 U		500	508	102	462	92	9	70-122/10
75-35-4	1,1-Dichloroethylene	20 U		500	430	86	405	81	6	61-137/15
107-06-2	1,2-Dichloroethane	20 U		500	466	93	448	90	4	64-124/7
78-87-5	1,2-Dichloropropane	20 U		500	487	97	465	93	5	74-123/8
124-48-1	Dibromochloromethane	20 U		500	422	84	409	82	3	63-119/9
75-71-8	Dichlorodifluoromethane	20 U		500	280	56	287	57	2	35-184/21
156-59-2	cis-1,2-Dichloroethylene	1490		500	2030	108	1920	86	6	74-125/9
10061-01-5	cis-1,3-Dichloropropene	20 U		500	413	83	405	81	2	65-112/10
541-73-1	m-Dichlorobenzene	20 U		500	494	99	473	95	4	74-114/7
95-50-1	o-Dichlorobenzene	20 U		500	487	97	499	100	2	73-114/8
106-46-7	p-Dichlorobenzene	20 U		500	460	92	444	89	4	74-112/7
156-60-5	trans-1,2-Dichloroethylene	27.6		500	505	95	471	89	7	70-127/11
10061-02-6	trans-1,3-Dichloropropene	20 U		500	422	84	419	84	1	59-116/11
100-41-4	Ethylbenzene	20 U		500	506	101	457	91	10*	73-119/8
74-83-9	Methyl bromide	40 U		500	489	98	466	93	5	52-172/16
74-87-3	Methyl chloride	40 U		500	416	83	411	82	1	53-155/19
75-09-2	Methylene chloride	100 U		500	456	91	431	86	6	61-129/11
1634-04-4	Methyl Tert Butyl Ether	20 U		500	436	87	434	87	0	61-129/9
71-55-6	1,1,1-Trichloroethane	20 U		500	495	99	448	90	10*	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	20 U		500	438	88	489	98	11*	64-120/10
79-00-5	1,1,2-Trichloroethane	20 U		500	444	89	453	91	2	72-116/9
127-18-4	Tetrachloroethylene	20 U		500	482	96	436	87	10*	70-126/9
108-88-3	Toluene	20 U		500	484	97	439	88	10*	67-123/8
79-01-6	Trichloroethylene	1240		500	1760	104	1610	74	9	73-117/10
75-69-4	Trichlorofluoromethane	40 U		500	528	106	515	103	2	52-164/16
75-01-4	Vinyl chloride	172		500	600	86	573	80	5	63-161/18
	m,p-Xylene	40 U		1000	927	93	852	85	8*	74-123/7
95-47-6	o-Xylene	20 U		500	459	92	426	85	7	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33828-3MS	B032500.D	20	08/17/05	KW	n/a	n/a	VB1370
F33828-3MSD	B032501.D	20	08/17/05	KW	n/a	n/a	VB1370
F33828-3	B032498.D	20	08/17/05	KW	n/a	n/a	VB1370

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

F33828-3, F33828-4

CAS No.	Surrogate Recoveries	MS	MSD	F33828-3	Limits
1868-53-7	Dibromofluoromethane	101%	100%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	104%	99%	73-126%
2037-26-5	Toluene-D8	100%	97%	101%	86-112%
460-00-4	4-Bromofluorobenzene	94%	97%	105%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33809-30MS	B032540.D	10	08/18/05	KW	n/a	n/a	VB1372
F33809-30MSD	B032541.D	10	08/18/05	KW	n/a	n/a	VB1372
F33809-30	B032536.D	10	08/18/05	KW	n/a	n/a	VB1372

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

F33828-1, F33828-2

CAS No.	Compound	F33809-30 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	10 U		250	241	96	233	93	3	72-125/7
75-27-4	Bromodichloromethane	10 U		250	242	97	232	93	4	72-120/8
75-25-2	Bromoform	10 U		250	241	96	236	94	2	55-127/11
108-90-7	Chlorobenzene	10 U		250	241	96	230	92	5	79-113/7
75-00-3	Chloroethane	20 U		250	272	109	268	107	1	56-164/14
67-66-3	Chloroform	10 U		250	232	93	224	90	4	75-120/8
110-75-8	2-Chloroethyl vinyl ether	50 U		1250	65.9	5*	ND	0*	200*	8-137/18
56-23-5	Carbon tetrachloride	10 U		250	242	97	238	95	2	56-145/12
75-34-3	1,1-Dichloroethane	19.5		250	266	99	256	95	4	70-122/10
75-35-4	1,1-Dichloroethylene	12.5		250	211	79	205	77	3	61-137/15
107-06-2	1,2-Dichloroethane	10 U		250	236	94	230	92	3	64-124/7
78-87-5	1,2-Dichloropropane	10 U		250	239	96	233	93	3	74-123/8
124-48-1	Dibromochloromethane	10 U		250	212	85	208	83	2	63-119/9
75-71-8	Dichlorodifluoromethane	10 U		250	287	115	306	122	6	35-184/21
156-59-2	cis-1,2-Dichloroethylene	366		250	626	104	600	94	4	74-125/9
10061-01-5	cis-1,3-Dichloropropene	10 U		250	197	79	193	77	2	65-112/10
541-73-1	m-Dichlorobenzene	10 U		250	236	94	232	93	2	74-114/7
95-50-1	o-Dichlorobenzene	10 U		250	241	96	237	95	2	73-114/8
106-46-7	p-Dichlorobenzene	10 U		250	226	90	221	88	2	74-112/7
156-60-5	trans-1,2-Dichloroethylene	10 U		250	234	94	230	92	2	70-127/11
10061-02-6	trans-1,3-Dichloropropene	10 U		250	209	84	209	84	0	59-116/11
100-41-4	Ethylbenzene	10 U		250	245	98	232	93	5	73-119/8
74-83-9	Methyl bromide	20 U		250	293	117	274	110	7	52-172/16
74-87-3	Methyl chloride	20 U		250	248	99	251	100	1	53-155/19
75-09-2	Methylene chloride	50 U		250	231	92	223	89	4	61-129/11
1634-04-4	Methyl Tert Butyl Ether	10 U		250	225	90	230	92	2	61-129/9
71-55-6	1,1,1-Trichloroethane	10 U		250	245	98	238	95	3	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	10 U		250	245	98	246	98	0	64-120/10
79-00-5	1,1,2-Trichloroethane	10 U		250	237	95	230	92	3	72-116/9
127-18-4	Tetrachloroethylene	10 U		250	232	93	224	90	4	70-126/9
108-88-3	Toluene	10 U		250	235	94	227	91	3	67-123/8
79-01-6	Trichloroethylene	65.2		250	294	92	288	89	2	73-117/10
75-69-4	Trichlorofluoromethane	20 U		250	291	116	284	114	2	52-164/16
75-01-4	Vinyl chloride	10 U		250	267	107	275	110	3	63-161/18
	m,p-Xylene	20 U		500	452	90	436	87	4	74-123/7
95-47-6	o-Xylene	10 U		250	222	89	213	85	4	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F33809-30MS	B032540.D	10	08/18/05	KW	n/a	n/a	VB1372
F33809-30MSD	B032541.D	10	08/18/05	KW	n/a	n/a	VB1372
F33809-30	B032536.D	10	08/18/05	KW	n/a	n/a	VB1372

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

F33828-1, F33828-2

CAS No.	Surrogate Recoveries	MS	MSD	F33809-30	Limits
1868-53-7	Dibromofluoromethane	102%	100%	103%	86-115%
17060-07-0	1,2-Dichloroethane-D4	109%	107%	101%	73-126%
2037-26-5	Toluene-D8	100%	98%	101%	86-112%
460-00-4	4-Bromofluorobenzene	94%	94%	105%	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: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MB	F010924.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

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

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MB	F010924.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

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

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	19-90%
4165-62-2	Phenol-d5	32%	10-68%

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MB	F010924.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	78%	36-137%
4165-60-0	Nitrobenzene-d5	84%	49-119%
321-60-8	2-Fluorobiphenyl	87%	45-118%
1718-51-0	Terphenyl-d14	90%	46-135%

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MB	F010946.D	1	08/15/05	NJ	08/10/05	OP14084	SF606

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

F33828-4

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

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MB	F010946.D	1	08/15/05	NJ	08/10/05	OP14084	SF606

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

F33828-4

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

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	19-90%
4165-62-2	Phenol-d5	32%	10-68%

Method Blank Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MB	F010946.D	1	08/15/05	NJ	08/10/05	OP14084	SF606

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

F33828-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	80%	36-137%
4165-60-0	Nitrobenzene-d5	85%	49-119%
321-60-8	2-Fluorobiphenyl	91%	45-118%
1718-51-0	Terphenyl-d14	91%	46-135%

Blank Spike Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-BS	F010923.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	26.3	26	8-45
95-57-8	2-Chlorophenol	50	41.4	83	62-103
59-50-7	4-Chloro-3-methyl phenol	50	42.7	85	64-103
120-83-2	2,4-Dichlorophenol	50	44.2	88	59-103
105-67-9	2,4-Dimethylphenol	50	34.7	69	43-94
51-28-5	2,4-Dinitrophenol	100	76.6	77	12-125
534-52-1	4,6-Dinitro-o-cresol	100	93.6	94	47-119
95-48-7	2-Methylphenol	50	37.1	74	54-91
	3&4-Methylphenol	100	71.7	72	48-86
88-75-5	2-Nitrophenol	50	43.3	87	64-104
100-02-7	4-Nitrophenol	100	43.3	43	22-50
87-86-5	Pentachlorophenol	100	88.2	88	50-111
108-95-2	Phenol	50	20.5	41	25-53
95-95-4	2,4,5-Trichlorophenol	50	44.9	90	66-104
88-06-2	2,4,6-Trichlorophenol	50	45.4	91	60-103
83-32-9	Acenaphthene	50	43.9	88	62-101
208-96-8	Acenaphthylene	50	41.7	83	65-113
120-12-7	Anthracene	50	46.9	94	69-107
56-55-3	Benzo(a)anthracene	50	46.6	93	68-106
50-32-8	Benzo(a)pyrene	50	46.2	92	70-114
205-99-2	Benzo(b)fluoranthene	50	47.2	94	68-110
191-24-2	Benzo(g,h,i)perylene	50	47.6	95	63-115
207-08-9	Benzo(k)fluoranthene	50	48.9	98	68-112
101-55-3	4-Bromophenyl phenyl ether	50	47.3	95	73-103
85-68-7	Butyl benzyl phthalate	50	45.7	91	69-108
100-51-6	Benzyl Alcohol	50	38.5	77	34-104
91-58-7	2-Chloronaphthalene	50	42.9	86	64-102
106-47-8	4-Chloroaniline	50	41.4	83	57-104
86-74-8	Carbazole	50	45.5	91	69-113
218-01-9	Chrysene	50	47.3	95	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	39.8	80	57-103
111-44-4	bis(2-Chloroethyl)ether	50	44.4	89	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	39.6	79	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	45.2	90	71-104
95-50-1	1,2-Dichlorobenzene	50	38.6	77	62-100
541-73-1	1,3-Dichlorobenzene	50	36.5	73	59-99

Blank Spike Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-BS	F010923.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	37.3	75	60-101
121-14-2	2,4-Dinitrotoluene	50	44.3	89	65-111
606-20-2	2,6-Dinitrotoluene	50	42.8	86	77-111
91-94-1	3,3'-Dichlorobenzidine	50	41.5	83	42-110
53-70-3	Dibenzo(a,h)anthracene	50	45.6	91	62-115
132-64-9	Dibenzofuran	50	43.0	86	69-104
84-74-2	Di-n-butyl phthalate	50	45.1	90	68-109
117-84-0	Di-n-octyl phthalate	50	45.5	91	63-120
84-66-2	Diethyl phthalate	50	45.3	91	64-110
131-11-3	Dimethyl phthalate	50	45.1	90	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	45.3	91	64-115
206-44-0	Fluoranthene	50	47.4	95	68-111
86-73-7	Fluorene	50	43.4	87	66-105
118-74-1	Hexachlorobenzene	50	46.0	92	69-103
87-68-3	Hexachlorobutadiene	50	38.3	77	55-90
77-47-4	Hexachlorocyclopentadiene	50	18.5	37	26-95
67-72-1	Hexachloroethane	50	36.9	74	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	47.7	95	63-118
78-59-1	Isophorone	50	42.9	86	64-107
91-57-6	2-Methylnaphthalene	50	40.2	80	66-100
88-74-4	2-Nitroaniline	50	43.4	87	65-111
99-09-2	3-Nitroaniline	50	39.7	79	61-106
100-01-6	4-Nitroaniline	50	43.2	86	60-113
91-20-3	Naphthalene	50	39.5	79	62-101
98-95-3	Nitrobenzene	50	42.0	84	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	40.6	81	64-109
86-30-6	N-Nitrosodiphenylamine	50	48.1	96	69-114
85-01-8	Phenanthrene	50	46.9	94	68-104
129-00-0	Pyrene	50	46.3	93	64-105
120-82-1	1,2,4-Trichlorobenzene	50	39.3	79	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	59%	19-90%
4165-62-2	Phenol-d5	38%	10-68%

Blank Spike Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-BS	F010923.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	86%	36-137%
4165-60-0	Nitrobenzene-d5	82%	49-119%
321-60-8	2-Fluorobiphenyl	89%	45-118%
1718-51-0	Terphenyl-d14	89%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MS	F010927.D	1	08/12/05	NJ	08/10/05	OP14084	SF605
OP14084-MSD	F010928.D	1	08/12/05	NJ	08/10/05	OP14084	SF605
F33811-1	F010926.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

CAS No.	Compound	F33811-1 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	91.4	48	85.6	45	7	16-73/41
95-57-8	2-Chlorophenol	ND		96.2	76.0	79	70.2	73	8	53-102/24
59-50-7	4-Chloro-3-methyl phenol	ND		96.2	77.6	81	72.4	75	7	60-101/18
120-83-2	2,4-Dichlorophenol	ND		96.2	81.1	84	75.9	79	7	55-100/24
105-67-9	2,4-Dimethylphenol	4.2	J	96.2	72.4	71	67.7	66	7	36-98/26
51-28-5	2,4-Dinitrophenol	ND		192	154	80	143	74	7	14-135/39
534-52-1	4,6-Dinitro-o-cresol	ND		192	171	89	160	83	7	40-127/24
95-48-7	2-Methylphenol	2.7	J	96.2	74.2	74	68.5	68	8	46-100/23
	3&4-Methylphenol	ND		192	145	75	132	69	9	43-100/23
88-75-5	2-Nitrophenol	ND		96.2	77.6	81	72.9	76	6	53-104/25
100-02-7	4-Nitrophenol	ND		192	104	54	104	54	0	32-81/28
87-86-5	Pentachlorophenol	ND		192	172	89	168	87	2	44-118/16
108-95-2	Phenol	ND		96.2	48.3	50	48.0	50	1	31-77/26
95-95-4	2,4,5-Trichlorophenol	ND		96.2	85.1	89	77.1	80	10	61-102/18
88-06-2	2,4,6-Trichlorophenol	ND		96.2	83.7	87	78.0	81	7	55-103/21
83-32-9	Acenaphthene	ND		96.2	81.2	84	74.8	78	8	55-103/20
208-96-8	Acenaphthylene	ND		96.2	77.9	81	72.2	75	8	55-113/20
120-12-7	Anthracene	ND		96.2	84.1	87	79.7	83	5	66-105/14
56-55-3	Benzo(a)anthracene	ND		96.2	84.6	88	79.7	83	6	65-103/16
50-32-8	Benzo(a)pyrene	ND		96.2	82.4	86	77.0	80	7	65-113/16
205-99-2	Benzo(b)fluoranthene	ND		96.2	84.9	88	77.1	80	10	62-110/17
191-24-2	Benzo(g,h,i)perylene	ND		96.2	84.3	88	81.0	84	4	58-111/17
207-08-9	Benzo(k)fluoranthene	ND		96.2	86.4	90	83.4	87	4	63-110/17
101-55-3	4-Bromophenyl phenyl ether	ND		96.2	85.9	89	79.5	83	8	68-102/16
85-68-7	Butyl benzyl phthalate	ND		96.2	83.1	86	77.2	80	7	65-108/17
100-51-6	Benzyl Alcohol	ND		96.2	74.9	78	70.5	73	6	48-106/24
91-58-7	2-Chloronaphthalene	ND		96.2	80.6	84	75.0	78	7	58-101/22
106-47-8	4-Chloroaniline	ND		96.2	70.0	73	68.4	71	2	39-101/21
86-74-8	Carbazole	ND		96.2	81.9	85	80.2	83	2	66-109/16
218-01-9	Chrysene	ND		96.2	85.8	89	81.5	85	5	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	ND		96.2	74.0	77	66.3	69	11	49-100/24
111-44-4	bis(2-Chloroethyl)ether	ND		96.2	81.7	85	72.8	76	12	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	ND		96.2	73.1	76	64.9	67	12	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	ND		96.2	84.3	88	77.3	80	9	65-103/18
95-50-1	1,2-Dichlorobenzene	ND		96.2	71.9	75	64.9	67	10	50-101/22
541-73-1	1,3-Dichlorobenzene	ND		96.2	69.5	72	62.6	65	10	50-100/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MS	F010927.D	1	08/12/05	NJ	08/10/05	OP14084	SF605
OP14084-MSD	F010928.D	1	08/12/05	NJ	08/10/05	OP14084	SF605
F33811-1	F010926.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

CAS No.	Compound	F33811-1 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	70.5	73	63.8	66	10	51-101/23
121-14-2	2,4-Dinitrotoluene	ND		96.2	79.8	83	74.7	78	7	60-110/16
606-20-2	2,6-Dinitrotoluene	ND		96.2	78.3	81	74.1	77	6	60-111/19
91-94-1	3,3'-Dichlorobenzidine	ND		96.2	55.4	58	58.1	60	5	18-112/22
53-70-3	Dibenzo(a,h)anthracene	ND		96.2	80.4	84	76.4	79	5	57-111/20
132-64-9	Dibenzofuran	ND		96.2	80.5	84	75.2	78	7	64-102/17
84-74-2	Di-n-butyl phthalate	ND		96.2	81.2	84	75.6	79	7	63-107/17
117-84-0	Di-n-octyl phthalate	ND		96.2	84.2	88	74.5	77	12	58-126/23
84-66-2	Diethyl phthalate	ND		96.2	82.1	85	75.8	79	8	59-110/18
131-11-3	Dimethyl phthalate	ND		96.2	81.1	84	75.9	79	7	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	ND		96.2	83.9	87	75.3	78	11	55-120/22
206-44-0	Fluoranthene	ND		96.2	84.3	88	80.9	84	4	62-108/17
86-73-7	Fluorene	ND		96.2	81.4	85	75.3	78	8	60-105/17
118-74-1	Hexachlorobenzene	ND		96.2	83.6	87	77.5	81	8	64-102/16
87-68-3	Hexachlorobutadiene	ND		96.2	73.0	76	68.9	72	6	45-93/26
77-47-4	Hexachlorocyclopentadiene	ND		96.2	37.1	39	34.1	35	8	20-92/34
67-72-1	Hexachloroethane	ND		96.2	69.8	73	63.2	66	10	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	ND		96.2	84.4	88	82.2	85	3	61-111/19
78-59-1	Isophorone	ND		96.2	78.4	82	71.3	74	9	59-103/23
91-57-6	2-Methylnaphthalene	3.9	J	96.2	77.6	77	71.7	71	8	56-100/23
88-74-4	2-Nitroaniline	ND		96.2	78.8	82	76.6	80	3	61-107/18
99-09-2	3-Nitroaniline	ND		96.2	63.1	66	66.2	69	5	47-107/26
100-01-6	4-Nitroaniline	ND		96.2	74.9	78	72.9	76	3	48-119/21
91-20-3	Naphthalene	15.2		96.2	89.1	77	82.9	70	7	52-102/23
98-95-3	Nitrobenzene	ND		96.2	75.8	79	69.4	72	9	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	ND		96.2	74.9	78	66.9	70	11	57-103/24
86-30-6	N-Nitrosodiphenylamine	ND		96.2	85.0	88	81.1	84	5	62-112/16
85-01-8	Phenanthrene	ND		96.2	84.0	87	79.3	82	6	64-103/15
129-00-0	Pyrene	ND		96.2	83.9	87	79.6	83	5	59-107/21
120-82-1	1,2,4-Trichlorobenzene	ND		96.2	74.5	77	69.0	72	8	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F33811-1	Limits
367-12-4	2-Fluorophenol	64%	59%		19-90%
4165-62-2	Phenol-d5	46%	44%		10-68%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F33828
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14084-MS	F010927.D	1	08/12/05	NJ	08/10/05	OP14084	SF605
OP14084-MSD	F010928.D	1	08/12/05	NJ	08/10/05	OP14084	SF605
F33811-1	F010926.D	1	08/12/05	NJ	08/10/05	OP14084	SF605

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

F33828-4

CAS No.	Surrogate Recoveries	MS	MSD	F33811-1	Limits
118-79-6	2,4,6-Tribromophenol	82%	79%		36-137%
4165-60-0	Nitrobenzene-d5	79%	73%	88%	49-119%
321-60-8	2-Fluorobiphenyl	85%	80%	92%	45-118%
1718-51-0	Terphenyl-d14	83%	78%	91%	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: F33828
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8404
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 08/08/05

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6		
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	.4	anr	
Iron	300	7.1	-9.6	<300
Lead	5.0	1.2	anr	
Magnesium	5000	9.9		
Manganese	15	.2	anr	
Molybdenum	50	.8		
Nickel	40	1.1		
Potassium	5000	14		
Selenium	10	2		
Silver	10	.6		
Sodium	5000	150		
Thallium	10	1.5		
Tin	50	1.5		
Vanadium	50	.5		
Zinc	20	.6		

Associated samples MP8404: F33828-3, F33828-4

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: F33828
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8404
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			08/08/05					08/08/05	
Metal	F33780-1 Original	DUP	RPD	QC Limits	F33780-1 Original	MS	Spikelot MPFLICP	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper	anr								
Iron	1170	1170	0.0	0-14	1170	27400	27000	97.1	76-125
Lead	anr								
Magnesium									
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP8404: F33828-3, F33828-4

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: F33828
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8404
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 08/08/05

Metal	F33780-1 Original	MSD	Spikelot MPFLICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper	anr					
Iron	1170	28000	27000	99.4	2.2	20
Lead	anr					
Magnesium						
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP8404: F33828-3, F33828-4

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: F33828
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8404
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 08/08/05

Metal	BSP Result	Spikelot MPFLICP	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	26300	27000	97.4	80-120
Lead	anr			
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8404: F33828-3, F33828-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: F33828
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8404
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 08/08/05

Metal	F33780-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper	anr			
Iron	1170	1290	10.0	0-10
Lead	anr			
Magnesium				
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8404: F33828-3, F33828-4

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

Southeast ACCUTEST Laboratories

10/24/05

Technical Report for

S M Stoller

Star Center-B100

110406202

Accutest Job Number: F34619

Sampling Date: 09/07/05

Report to:

S M Stoller

Cathy.Kelleher@gjo.doe.gov

ATTN: Cathy Kelleher

Total number of pages in report: **51**

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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Accutest LabLink@41810 12:22 24-Oct-2005

Sample Summary

S M Stoller

Job No: F34619

Star Center-B100
Project No: 110406202

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F34619-1	09/07/05	09:45	JPC	09/07/05	AQ	Ground Water	PIN12-RW01-N001
F34619-2	09/07/05	09:47	JPC	09/07/05	AQ	Ground Water	PIN12-RW02-N001
F34619-3	09/07/05	11:25	JPC	09/07/05	AQ	Ground Water	PIN12-TRTI-N001
F34619-4	09/07/05	11:28	JPC	09/07/05	AQ	Ground Water	PIN12-TRTE-N001

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F34619

Site: Star Center-B100 **Report Date** 9/26/2005

4 Samples were collected on 09/07/2005 and were received at Accutest on 09/07/2005 properly preserved, at 2 Deg. C and intact. These Samples received an Accutest job number of F34619.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:** VB1404

Samples F34840-2MS, F34840-2MSD 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. Probable cause due to matrix interference.

RPDs for MS/MSD for 1,1,1-Trichloroethane, 1,1-Dichloroethane, 1,2-Dichloroethane, Benzene, Bromodichloromethane, cis-1,2-Dichloroethylene, m,p-Xylene, m-Dichlorobenzene, o-Dichlorobenzene, o-Xylene, Trichloroethylene are outside control limits for sample F34840-2MSD, F34840-2MSD. Probable cause due to sample homogeneity.

F34619-4: Sample was treated with an anti-foaming agent.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VB1403

Samples F34590-2MS, F34590-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.

Samples F34619-2 have surrogates above control limits in the original run. Sample rerun to confirm. Reanalysis found surrogates to be within control limits.

Extractables by GCMS By Method EPA 625

Matrix: AQ **Batch ID:** OP14361

Samples F34619-4MS, F34619-4MSD 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:** MP8615

Samples F34830-1DUP, F34830-1MSD, F34830-1SDL were used as the QC samples for metals.

All method blanks for this batch meet method specific criteria.

MS/MSD recoveries for Iron are outside control limits. Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

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: September 26,, 2005

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

Report of Analysis

Client Sample ID:	PIN12-RW01-N001		
Lab Sample ID:	F34619-1	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B033206.D	100	09/14/05	KW	n/a	n/a	VB1403
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	50 U	100	50	ug/l	
75-27-4	Bromodichloromethane	50 U	100	50	ug/l	
75-25-2	Bromoform	50 U	100	50	ug/l	
108-90-7	Chlorobenzene	50 U	100	50	ug/l	
75-00-3	Chloroethane	100 U	200	100	ug/l	
67-66-3	Chloroform	50 U	100	50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	250 U	500	250	ug/l	
56-23-5	Carbon tetrachloride	50 U	100	50	ug/l	
75-34-3	1,1-Dichloroethane	50 U	100	50	ug/l	
75-35-4	1,1-Dichloroethylene	50 U	100	50	ug/l	
107-06-2	1,2-Dichloroethane	50 U	100	50	ug/l	
78-87-5	1,2-Dichloropropane	50 U	100	50	ug/l	
124-48-1	Dibromochloromethane	40 U	100	40	ug/l	
75-71-8	Dichlorodifluoromethane	50 U	100	50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	2360	100	50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	30 U	100	30	ug/l	
541-73-1	m-Dichlorobenzene	50 U	100	50	ug/l	
95-50-1	o-Dichlorobenzene	50 U	100	50	ug/l	
106-46-7	p-Dichlorobenzene	50 U	100	50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	50 U	100	50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	30 U	100	30	ug/l	
100-41-4	Ethylbenzene	50 U	100	50	ug/l	
74-83-9	Methyl bromide	100 U	200	100	ug/l	
74-87-3	Methyl chloride	100 U	200	100	ug/l	
75-09-2	Methylene chloride	100 U	500	100	ug/l	
1634-04-4	Methyl Tert Butyl Ether	50 U	100	50	ug/l	
71-55-6	1,1,1-Trichloroethane	50 U	100	50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	40 U	100	40	ug/l	
79-00-5	1,1,2-Trichloroethane	50 U	100	50	ug/l	
127-18-4	Tetrachloroethylene	50 U	100	50	ug/l	
108-88-3	Toluene	50 U	100	50	ug/l	
79-01-6	Trichloroethylene	4150	100	50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW01-N001		
Lab Sample ID:	F34619-1	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	50 U	200	50	ug/l	
75-01-4	Vinyl chloride	567	100	50	ug/l	
	m,p-Xylene	50 U	200	50	ug/l	
95-47-6	o-Xylene	50 U	100	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	88%		73-126%
2037-26-5	Toluene-D8	106%		86-112%
460-00-4	4-Bromofluorobenzene	112%		83-119%

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW02-N001		
Lab Sample ID:	F34619-2	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B033207.D	10	09/14/05	KW	n/a	n/a	VB1403
Run #2 [a]	C0035279.D	10	09/13/05	KW	n/a	n/a	VC1431

	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	5.0 U	10	5.0	ug/l	
75-27-4	Bromodichloromethane	5.0 U	10	5.0	ug/l	
75-25-2	Bromoform	5.0 U	10	5.0	ug/l	
108-90-7	Chlorobenzene	5.0 U	10	5.0	ug/l	
75-00-3	Chloroethane	10 U	20	10	ug/l	
67-66-3	Chloroform	5.0 U	10	5.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	25 U	50	25	ug/l	
56-23-5	Carbon tetrachloride	5.0 U	10	5.0	ug/l	
75-34-3	1,1-Dichloroethane	5.0 U	10	5.0	ug/l	
75-35-4	1,1-Dichloroethylene	12.2	10	5.0	ug/l	
107-06-2	1,2-Dichloroethane	5.0 U	10	5.0	ug/l	
78-87-5	1,2-Dichloropropane	5.0 U	10	5.0	ug/l	
124-48-1	Dibromochloromethane	4.0 U	10	4.0	ug/l	
75-71-8	Dichlorodifluoromethane	5.0 U	10	5.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	449	10	5.0	ug/l	
10061-01-5	cis-1,3-Dichloropropene	3.0 U	10	3.0	ug/l	
541-73-1	m-Dichlorobenzene	5.0 U	10	5.0	ug/l	
95-50-1	o-Dichlorobenzene	5.0 U	10	5.0	ug/l	
106-46-7	p-Dichlorobenzene	5.0 U	10	5.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	34.8	10	5.0	ug/l	
10061-02-6	trans-1,3-Dichloropropene	3.0 U	10	3.0	ug/l	
100-41-4	Ethylbenzene	5.0 U	10	5.0	ug/l	
74-83-9	Methyl bromide	10 U	20	10	ug/l	
74-87-3	Methyl chloride	10 U	20	10	ug/l	
75-09-2	Methylene chloride	10 U	50	10	ug/l	
1634-04-4	Methyl Tert Butyl Ether	5.0 U	10	5.0	ug/l	
71-55-6	1,1,1-Trichloroethane	5.0 U	10	5.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	4.0 U	10	4.0	ug/l	
79-00-5	1,1,2-Trichloroethane	5.0 U	10	5.0	ug/l	
127-18-4	Tetrachloroethylene	5.0 U	10	5.0	ug/l	
108-88-3	Toluene	5.0 U	10	5.0	ug/l	
79-01-6	Trichloroethylene	301	10	5.0	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-RW02-N001		
Lab Sample ID:	F34619-2	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	5.0 U	20	5.0	ug/l	
75-01-4	Vinyl chloride	49.3	10	5.0	ug/l	
	m,p-Xylene	5.0 U	20	5.0	ug/l	
95-47-6	o-Xylene	5.0 U	10	5.0	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	125%	86-115%
17060-07-0	1,2-Dichloroethane-D4	90%	141%	73-126%
2037-26-5	Toluene-D8	106%	84%	86-112%
460-00-4	4-Bromofluorobenzene	109%	93%	83-119%

(a) Confirmation run.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F34619-3	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	B033224.D	20	09/15/05	KW	n/a	n/a	VB1404
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	10 U	20	10	ug/l	
75-27-4	Bromodichloromethane	10 U	20	10	ug/l	
75-25-2	Bromoform	10 U	20	10	ug/l	
108-90-7	Chlorobenzene	10 U	20	10	ug/l	
75-00-3	Chloroethane	20 U	40	20	ug/l	
67-66-3	Chloroform	10 U	20	10	ug/l	
110-75-8	2-Chloroethyl vinyl ether	50 U	100	50	ug/l	
56-23-5	Carbon tetrachloride	10 U	20	10	ug/l	
75-34-3	1,1-Dichloroethane	10 U	20	10	ug/l	
75-35-4	1,1-Dichloroethylene	10 U	20	10	ug/l	
107-06-2	1,2-Dichloroethane	10 U	20	10	ug/l	
78-87-5	1,2-Dichloropropane	10 U	20	10	ug/l	
124-48-1	Dibromochloromethane	8.0 U	20	8.0	ug/l	
75-71-8	Dichlorodifluoromethane	10 U	20	10	ug/l	
156-59-2	cis-1,2-Dichloroethylene	853	20	10	ug/l	
10061-01-5	cis-1,3-Dichloropropene	6.0 U	20	6.0	ug/l	
541-73-1	m-Dichlorobenzene	10 U	20	10	ug/l	
95-50-1	o-Dichlorobenzene	10 U	20	10	ug/l	
106-46-7	p-Dichlorobenzene	10 U	20	10	ug/l	
156-60-5	trans-1,2-Dichloroethylene	18.9	20	10	ug/l	I
10061-02-6	trans-1,3-Dichloropropene	6.0 U	20	6.0	ug/l	
100-41-4	Ethylbenzene	10 U	20	10	ug/l	
74-83-9	Methyl bromide	20 U	40	20	ug/l	
74-87-3	Methyl chloride	20 U	40	20	ug/l	
75-09-2	Methylene chloride	20 U	100	20	ug/l	
1634-04-4	Methyl Tert Butyl Ether	10 U	20	10	ug/l	
71-55-6	1,1,1-Trichloroethane	10 U	20	10	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	8.0 U	20	8.0	ug/l	
79-00-5	1,1,2-Trichloroethane	10 U	20	10	ug/l	
127-18-4	Tetrachloroethylene	10 U	20	10	ug/l	
108-88-3	Toluene	10 U	20	10	ug/l	
79-01-6	Trichloroethylene	679	20	10	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F34619-3	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	10 U	40	10	ug/l	
75-01-4	Vinyl chloride	88.6	20	10	ug/l	
	m,p-Xylene	10 U	40	10	ug/l	
95-47-6	o-Xylene	10 U	20	10	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	105%		86-112%
460-00-4	4-Bromofluorobenzene	110%		83-119%

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F34619-3	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
		Percent Solids:	n/a
Project:	Star Center-B100		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	4060	300	7.5	ug/l	1	09/19/05	09/19/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4567
(2) Prep QC Batch: MP8615

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN12-TRTI-N001		
Lab Sample ID:	F34619-3	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
		Percent Solids:	n/a
Project:	Star Center-B100		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	347	4.0	mg/l	1	09/21/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F34619-4	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B033225.D	1	09/15/05	KW	n/a	n/a	VB1404
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	0.50 U	1.0	0.50	ug/l	
75-27-4	Bromodichloromethane	0.50 U	1.0	0.50	ug/l	
75-25-2	Bromoform	0.50 U	1.0	0.50	ug/l	
108-90-7	Chlorobenzene	0.50 U	1.0	0.50	ug/l	
75-00-3	Chloroethane	1.0 U	2.0	1.0	ug/l	
67-66-3	Chloroform	0.50 U	1.0	0.50	ug/l	
110-75-8	2-Chloroethyl vinyl ether	2.5 U	5.0	2.5	ug/l	
56-23-5	Carbon tetrachloride	0.50 U	1.0	0.50	ug/l	
75-34-3	1,1-Dichloroethane	0.50 U	1.0	0.50	ug/l	
75-35-4	1,1-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
107-06-2	1,2-Dichloroethane	0.50 U	1.0	0.50	ug/l	
78-87-5	1,2-Dichloropropane	0.50 U	1.0	0.50	ug/l	
124-48-1	Dibromochloromethane	0.40 U	1.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	0.50 U	1.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-01-5	cis-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
541-73-1	m-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
95-50-1	o-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
106-46-7	p-Dichlorobenzene	0.50 U	1.0	0.50	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.50 U	1.0	0.50	ug/l	
10061-02-6	trans-1,3-Dichloropropene	0.30 U	1.0	0.30	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
74-83-9	Methyl bromide	1.0 U	2.0	1.0	ug/l	
74-87-3	Methyl chloride	1.0 U	2.0	1.0	ug/l	
75-09-2	Methylene chloride	1.0 U	5.0	1.0	ug/l	
1634-04-4	Methyl Tert Butyl Ether	0.50 U	1.0	0.50	ug/l	
71-55-6	1,1,1-Trichloroethane	0.50 U	1.0	0.50	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	0.40 U	1.0	0.40	ug/l	
79-00-5	1,1,2-Trichloroethane	0.50 U	1.0	0.50	ug/l	
127-18-4	Tetrachloroethylene	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
79-01-6	Trichloroethylene	0.50 U	1.0	0.50	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F34619-4	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100		

VOA Special List

CAS No.	Compound	Result	RL	MDL	Units	Q
75-69-4	Trichlorofluoromethane	0.50 U	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	0.50 U	2.0	0.50	ug/l	
95-47-6	o-Xylene	0.50 U	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	92%		73-126%
2037-26-5	Toluene-D8	103%		86-112%
460-00-4	4-Bromofluorobenzene	117%		83-119%

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

U = Not detected MDL - Method Detection Limit I = Result > = MDL but < RL J = Estimated value
RL = Reporting Limit V = Indicates analyte found in associated method blank
L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F34619-4	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	F011449.D	1	09/09/05	NJ	09/08/05	OP14361	SF629
Run #2							

	Initial Volume	Final Volume
Run #1	1010 ml	1.0 ml
Run #2		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	9.9 U	25	9.9	ug/l	
95-57-8	2-Chlorophenol	2.0 U	5.0	2.0	ug/l	
59-50-7	4-Chloro-3-methyl phenol	2.0 U	5.0	2.0	ug/l	
120-83-2	2,4-Dichlorophenol	2.0 U	5.0	2.0	ug/l	
105-67-9	2,4-Dimethylphenol	2.0 U	5.0	2.0	ug/l	
51-28-5	2,4-Dinitrophenol	9.9 U	25	9.9	ug/l	
534-52-1	4,6-Dinitro-o-cresol	5.0 U	9.9	5.0	ug/l	
95-48-7	2-Methylphenol	2.0 U	5.0	2.0	ug/l	
	3&4-Methylphenol	2.0 U	5.0	2.0	ug/l	
88-75-5	2-Nitrophenol	2.0 U	5.0	2.0	ug/l	
100-02-7	4-Nitrophenol	9.9 U	25	9.9	ug/l	
87-86-5	Pentachlorophenol	9.9 U	25	9.9	ug/l	
108-95-2	Phenol	2.0 U	5.0	2.0	ug/l	
95-95-4	2,4,5-Trichlorophenol	2.0 U	5.0	2.0	ug/l	
88-06-2	2,4,6-Trichlorophenol	2.0 U	5.0	2.0	ug/l	
83-32-9	Acenaphthene	0.99 U	5.0	0.99	ug/l	
208-96-8	Acenaphthylene	0.99 U	5.0	0.99	ug/l	
120-12-7	Anthracene	0.99 U	5.0	0.99	ug/l	
56-55-3	Benzo(a)anthracene	0.99 U	5.0	0.99	ug/l	
50-32-8	Benzo(a)pyrene	0.99 U	5.0	0.99	ug/l	
205-99-2	Benzo(b)fluoranthene	0.99 U	5.0	0.99	ug/l	
191-24-2	Benzo(g,h,i)perylene	2.0 U	5.0	2.0	ug/l	
207-08-9	Benzo(k)fluoranthene	0.99 U	5.0	0.99	ug/l	
101-55-3	4-Bromophenyl phenyl ether	0.99 U	5.0	0.99	ug/l	
85-68-7	Butyl benzyl phthalate	2.0 U	5.0	2.0	ug/l	
100-51-6	Benzyl Alcohol	0.99 U	5.0	0.99	ug/l	
91-58-7	2-Chloronaphthalene	0.99 U	5.0	0.99	ug/l	
106-47-8	4-Chloroaniline	4.0 U	9.9	4.0	ug/l	
86-74-8	Carbazole	0.99 U	5.0	0.99	ug/l	
218-01-9	Chrysene	0.99 U	5.0	0.99	ug/l	
111-91-1	bis(2-Chloroethoxy)methane	0.99 U	5.0	0.99	ug/l	
111-44-4	bis(2-Chloroethyl)ether	2.0 U	5.0	2.0	ug/l	

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F34619-4	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

ABN TCL List

CAS No.	Compound	Result	RL	MDL	Units	Q
108-60-1	bis(2-Chloroisopropyl)ether	0.99 U	5.0	0.99	ug/l	
7005-72-3	4-Chlorophenyl phenyl ether	0.99 U	5.0	0.99	ug/l	
95-50-1	1,2-Dichlorobenzene	0.99 U	5.0	0.99	ug/l	
541-73-1	1,3-Dichlorobenzene	0.99 U	5.0	0.99	ug/l	
106-46-7	1,4-Dichlorobenzene	0.99 U	5.0	0.99	ug/l	
121-14-2	2,4-Dinitrotoluene	2.0 U	5.0	2.0	ug/l	
606-20-2	2,6-Dinitrotoluene	2.0 U	5.0	2.0	ug/l	
91-94-1	3,3'-Dichlorobenzidine	5.0 U	9.9	5.0	ug/l	
53-70-3	Dibenzo(a,h)anthracene	2.0 U	5.0	2.0	ug/l	
132-64-9	Dibenzofuran	0.99 U	5.0	0.99	ug/l	
84-74-2	Di-n-butyl phthalate	2.0 U	5.0	2.0	ug/l	
117-84-0	Di-n-octyl phthalate	2.5 U	5.0	2.5	ug/l	
84-66-2	Diethyl phthalate	2.0 U	5.0	2.0	ug/l	
131-11-3	Dimethyl phthalate	2.0 U	5.0	2.0	ug/l	
117-81-7	bis(2-Ethylhexyl)phthalate	2.5 U	5.0	2.5	ug/l	
206-44-0	Fluoranthene	0.99 U	5.0	0.99	ug/l	
86-73-7	Fluorene	0.99 U	5.0	0.99	ug/l	
118-74-1	Hexachlorobenzene	0.99 U	5.0	0.99	ug/l	
87-68-3	Hexachlorobutadiene	2.0 U	5.0	2.0	ug/l	
77-47-4	Hexachlorocyclopentadiene	2.0 U	5.0	2.0	ug/l	
67-72-1	Hexachloroethane	2.0 U	5.0	2.0	ug/l	
193-39-5	Indeno(1,2,3-cd)pyrene	2.0 U	5.0	2.0	ug/l	
78-59-1	Isophorone	0.99 U	5.0	0.99	ug/l	
91-57-6	2-Methylnaphthalene	0.99 U	5.0	0.99	ug/l	
88-74-4	2-Nitroaniline	4.0 U	9.9	4.0	ug/l	
99-09-2	3-Nitroaniline	4.0 U	9.9	4.0	ug/l	
100-01-6	4-Nitroaniline	4.0 U	9.9	4.0	ug/l	
91-20-3	Naphthalene	0.99 U	5.0	0.99	ug/l	
98-95-3	Nitrobenzene	0.99 U	5.0	0.99	ug/l	
621-64-7	N-Nitroso-di-n-propylamine	2.0 U	5.0	2.0	ug/l	
86-30-6	N-Nitrosodiphenylamine	2.0 U	5.0	2.0	ug/l	
85-01-8	Phenanthrene	0.99 U	5.0	0.99	ug/l	
129-00-0	Pyrene	0.99 U	5.0	0.99	ug/l	
120-82-1	1,2,4-Trichlorobenzene	0.99 U	5.0	0.99	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	34%		19-90%
4165-62-2	Phenol-d5	22%		10-68%
118-79-6	2,4,6-Tribromophenol	83%		36-137%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range
I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F34619-4	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 625 EPA 625	**Percent Solids:**	n/a
Project:	Star Center-B100		

ABN TCL List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
4165-60-0	Nitrobenzene-d5	72%		49-119%
321-60-8	2-Fluorobiphenyl	70%		45-118%
1718-51-0	Terphenyl-d14	76%		46-135%

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range

I = Result > = MDL but < RL J = Estimated value
V = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F34619-4	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
		Percent Solids:	n/a
Project:	Star Center-B100		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Iron	4530	300	7.5	ug/l	1	09/19/05	09/19/05	DM	SW846 6010B [1]	SW846 3010A [2]

(1) Instrument QC Batch: MA4567
(2) Prep QC Batch: MP8615

RL = Reporting Limit
MDL = Method Detection Limit

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

Report of Analysis

Client Sample ID:	PIN12-TRTE-N001		
Lab Sample ID:	F34619-4	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
		Percent Solids:	n/a
Project:	Star Center-B100		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Hardness, Total as CaCO3	368	4.0	mg/l	1	09/21/05	DM	SW846 6010B/SM 2340B

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

ACCUTEST Laboratories

CHAIN OF CUSTODY

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

ACCUTEST JOB #: F34619
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 sampling
LOCATION: B100
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	PRESERVATION NaOH	PRESERVATION HNO3	PRESERVATION H2SO4	PRESERVATION NONE	VOCs - 8260	VOCs - 624	SVOCs - 625	Fe + Hardness	LAB USE ONLY
1	PIN12-RW01-N001	9-7-05	0945	JPC	GW	3	3					3				
2	PIN12-RW02-N001	↓	0947	↓	↓	3	3					3				
3	PIN12-TRTI-N001	↓	1125	↓	↓	4	3	1					3		1	
4	PIN12-TRTE-N001	↓	1128	↓	↓	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.	9-7-05 1525	1.	2.	9-7-05 1525	2.
RELINQUISHED BY: 3.	DATE TIME: 9-7-05	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

F34619: Chain of Custody
Page 1 of 2

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER F34619 CLIENT: S.M. Stoller PROJECT: Star Center - monthly

DATE/TIME RECEIVED: 9-7-05/19:15 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.0

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE Steven Emm/9-7-05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1

4

F34619: Chain of Custody

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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: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1404-MB	B033214.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34619-3, F34619-4

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

Method Blank Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1404-MB	B033214.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34619-3, F34619-4

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

Method Blank Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1403-MB	B033190.D	1	09/14/05	KW	n/a	n/a	VB1403

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

F34619-1, F34619-2

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

Method Blank Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1403-MB	B033190.D	1	09/14/05	KW	n/a	n/a	VB1403

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

F34619-1, F34619-2

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	97%	86-115%
17060-07-0	1,2-Dichloroethane-D4	88%	73-126%
2037-26-5	Toluene-D8	101%	86-112%
460-00-4	4-Bromofluorobenzene	115%	83-119%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
556-67-2	Cyclotetrasiloxane, octamethyl-	13.72	510	ug/l	JN
1000079-05-1	p-Trimethylsilyloxyphenyl-(trimethylsily	15.73	290	ug/l	JN
27750-45-4	Benzenepropanoic acid, .alpha.-[(trimeth	17.67	21	ug/l	JN
	Total TIC, Volatile		821	ug/l	J

Blank Spike Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1404-BS	B033213.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34619-3, F34619-4

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	24.0	96	75-120
75-25-2	Bromoform	25	20.4	82	60-129
108-90-7	Chlorobenzene	25	24.8	99	82-112
75-00-3	Chloroethane	25	23.4	94	67-148
67-66-3	Chloroform	25	24.9	100	78-118
110-75-8	2-Chloroethyl vinyl ether	125	96.8	77	23-132
56-23-5	Carbon tetrachloride	25	25.7	103	69-137
75-34-3	1,1-Dichloroethane	25	25.5	102	75-117
75-35-4	1,1-Dichloroethylene	25	23.8	95	67-134
107-06-2	1,2-Dichloroethane	25	23.9	96	68-121
78-87-5	1,2-Dichloropropane	25	24.7	99	78-122
124-48-1	Dibromochloromethane	25	22.5	90	68-118
75-71-8	Dichlorodifluoromethane	25	25.3	101	43-173
156-59-2	cis-1,2-Dichloroethylene	25	24.6	98	81-120
10061-01-5	cis-1,3-Dichloropropene	25	21.6	86	73-115
541-73-1	m-Dichlorobenzene	25	24.0	96	78-116
95-50-1	o-Dichlorobenzene	25	23.7	95	77-115
106-46-7	p-Dichlorobenzene	25	22.6	90	77-113
156-60-5	trans-1,2-Dichloroethylene	25	25.4	102	74-125
10061-02-6	trans-1,3-Dichloropropene	25	22.7	91	69-115
100-41-4	Ethylbenzene	25	25.7	103	82-115
74-83-9	Methyl bromide	25	23.4	94	60-165
74-87-3	Methyl chloride	25	22.3	89	58-152
75-09-2	Methylene chloride	25	23.5	94	66-125
1634-04-4	Methyl Tert Butyl Ether	25	21.7	87	67-127
71-55-6	1,1,1-Trichloroethane	25	24.7	99	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	16.9	68	67-119
79-00-5	1,1,2-Trichloroethane	25	22.6	90	74-115
127-18-4	Tetrachloroethylene	25	24.8	99	75-126
108-88-3	Toluene	25	25.1	100	81-114
79-01-6	Trichloroethylene	25	27.3	109	80-115
75-69-4	Trichlorofluoromethane	25	29.6	118	65-163
75-01-4	Vinyl chloride	25	23.1	92	70-151
	m,p-Xylene	50	47.1	94	83-118
95-47-6	o-Xylene	25	23.7	95	77-119

Blank Spike Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1404-BS	B033213.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34619-3, F34619-4

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	73-126%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	93%	83-119%

Blank Spike Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1403-BS	B033189.D	1	09/14/05	KW	n/a	n/a	VB1403

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

F34619-1, F34619-2

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	23.1	92	80-120
75-27-4	Bromodichloromethane	25	21.9	88	75-120
75-25-2	Bromoform	25	20.0	80	60-129
108-90-7	Chlorobenzene	25	24.0	96	82-112
75-00-3	Chloroethane	25	21.5	86	67-148
67-66-3	Chloroform	25	22.7	91	78-118
110-75-8	2-Chloroethyl vinyl ether	125	98.2	79	23-132
56-23-5	Carbon tetrachloride	25	23.8	95	69-137
75-34-3	1,1-Dichloroethane	25	23.2	93	75-117
75-35-4	1,1-Dichloroethylene	25	22.0	88	67-134
107-06-2	1,2-Dichloroethane	25	20.6	82	68-121
78-87-5	1,2-Dichloropropane	25	23.3	93	78-122
124-48-1	Dibromochloromethane	25	21.9	88	68-118
75-71-8	Dichlorodifluoromethane	25	27.1	108	43-173
156-59-2	cis-1,2-Dichloroethylene	25	23.7	95	81-120
10061-01-5	cis-1,3-Dichloropropene	25	21.3	85	73-115
541-73-1	m-Dichlorobenzene	25	25.2	101	78-116
95-50-1	o-Dichlorobenzene	25	23.9	96	77-115
106-46-7	p-Dichlorobenzene	25	23.2	93	77-113
156-60-5	trans-1,2-Dichloroethylene	25	23.2	93	74-125
10061-02-6	trans-1,3-Dichloropropene	25	23.2	93	69-115
100-41-4	Ethylbenzene	25	24.6	98	82-115
74-83-9	Methyl bromide	25	23.2	93	60-165
74-87-3	Methyl chloride	25	23.6	94	58-152
75-09-2	Methylene chloride	25	20.6	82	66-125
1634-04-4	Methyl Tert Butyl Ether	25	22.3	89	67-127
71-55-6	1,1,1-Trichloroethane	25	23.1	92	78-132
79-34-5	1,1,2,2-Tetrachloroethane	25	20.1	80	67-119
79-00-5	1,1,2-Trichloroethane	25	21.4	86	74-115
127-18-4	Tetrachloroethylene	25	26.0	104	75-126
108-88-3	Toluene	25	24.1	96	81-114
79-01-6	Trichloroethylene	25	23.9	96	80-115
75-69-4	Trichlorofluoromethane	25	24.3	97	65-163
75-01-4	Vinyl chloride	25	23.8	95	70-151
	m,p-Xylene	50	45.4	91	83-118
95-47-6	o-Xylene	25	22.6	90	77-119

Blank Spike Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1403-BS	B033189.D	1	09/14/05	KW	n/a	n/a	VB1403

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

F34619-1, F34619-2

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	86-115%
17060-07-0	1,2-Dichloroethane-D4	92%	73-126%
2037-26-5	Toluene-D8	100%	86-112%
460-00-4	4-Bromofluorobenzene	102%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34840-2MS	B033216.D	1	09/15/05	KW	n/a	n/a	VB1404
F34840-2MSD	B033217.D	1	09/15/05	KW	n/a	n/a	VB1404
F34840-2	B033215.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34619-3, F34619-4

CAS No.	Compound	F34840-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0 U		25	26.2	105	23.8	95	10*	72-125/7
75-27-4	Bromodichloromethane	1.0 U		25	25.9	104	23.7	95	9*	72-120/8
75-25-2	Bromoform	1.0 U		25	22.1	88	21.0	84	5	55-127/11
108-90-7	Chlorobenzene	1.0 U		25	26.4	106	24.7	99	7	79-113/7
75-00-3	Chloroethane	2.0 U		25	24.7	99	23.4	94	5	56-164/14
67-66-3	Chloroform	1.0 U		25	26.1	104	24.1	96	8	75-120/8
110-75-8	2-Chloroethyl vinyl ether	5.0 U		125	ND	0*	ND	0*	nc	8-137/18
56-23-5	Carbon tetrachloride	1.0 U		25	27.1	108	24.4	98	10	56-145/12
75-34-3	1,1-Dichloroethane	1.0 U		25	27.4	110	24.3	97	12*	70-122/10
75-35-4	1,1-Dichloroethylene	1.0 U		25	24.4	98	22.7	91	7	61-137/15
107-06-2	1,2-Dichloroethane	1.0 U		25	25.4	102	22.8	91	11*	64-124/7
78-87-5	1,2-Dichloropropane	1.0 U		25	25.8	103	24.3	97	6	74-123/8
124-48-1	Dibromochloromethane	1.0 U		25	24.0	96	22.3	89	7	63-119/9
75-71-8	Dichlorodifluoromethane	1.0 U		25	26.3	105	27.8	111	6	35-184/21
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	25.1	100	22.8	91	10*	74-125/9
10061-01-5	cis-1,3-Dichloropropene	1.0 U		25	20.8	83	19.5	78	6	65-112/10
541-73-1	m-Dichlorobenzene	1.0 U		25	25.3	101	23.2	93	9*	74-114/7
95-50-1	o-Dichlorobenzene	1.0 U		25	25.3	101	22.9	92	10*	73-114/8
106-46-7	p-Dichlorobenzene	1.0 U		25	23.6	94	22.0	88	7	74-112/7
156-60-5	trans-1,2-Dichloroethylene	1.0 U		25	26.7	107	24.1	96	10	70-127/11
10061-02-6	trans-1,3-Dichloropropene	1.0 U		25	23.4	94	21.8	87	7	59-116/11
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	24.9	100	7	73-119/8
74-83-9	Methyl bromide	2.0 U		25	23.8	95	22.5	90	6	52-172/16
74-87-3	Methyl chloride	2.0 U		25	23.0	92	24.1	96	5	53-155/19
75-09-2	Methylene chloride	5.0 U		25	24.9	100	22.6	90	10	61-129/11
1634-04-4	Methyl Tert Butyl Ether	1.0 U		25	24.2	97	22.6	90	7	61-129/9
71-55-6	1,1,1-Trichloroethane	1.0 U		25	26.1	104	23.8	95	9*	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	1.0 U		25	22.8	91	21.4	86	6	64-120/10
79-00-5	1,1,2-Trichloroethane	1.0 U		25	23.9	96	23.1	92	3	72-116/9
127-18-4	Tetrachloroethylene	1.0 U		25	25.2	101	24.2	97	4	70-126/9
108-88-3	Toluene	1.0 U		25	25.7	103	24.1	96	6	67-123/8
79-01-6	Trichloroethylene	1.0 U		25	25.6	102	22.9	92	11*	73-117/10
75-69-4	Trichlorofluoromethane	2.0 U		25	30.5	122	27.6	110	10	52-164/16
75-01-4	Vinyl chloride	1.0 U		25	23.5	94	24.2	97	3	63-161/18
	m,p-Xylene	2.0 U		50	49.3	99	45.7	91	8*	74-123/7
95-47-6	o-Xylene	1.0 U		25	24.6	98	22.8	91	8*	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34840-2MS	B033216.D	1	09/15/05	KW	n/a	n/a	VB1404
F34840-2MSD	B033217.D	1	09/15/05	KW	n/a	n/a	VB1404
F34840-2	B033215.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34619-3, F34619-4

CAS No.	Surrogate Recoveries	MS	MSD	F34840-2	Limits
1868-53-7	Dibromofluoromethane	100%	97%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	101%	101%	73-126%
2037-26-5	Toluene-D8	100%	101%	104%	86-112%
460-00-4	4-Bromofluorobenzene	95%	96%	111%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34590-2MS	B033194.D	50	09/14/05	KW	n/a	n/a	VB1403
F34590-2MSD	B033195.D	50	09/14/05	KW	n/a	n/a	VB1403
F34590-2	B033193.D	50	09/14/05	KW	n/a	n/a	VB1403

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

F34619-1, F34619-2

CAS No.	Compound	F34590-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4100		1250	5300	96	5180	86	2	72-125/7
75-27-4	Bromodichloromethane	ND		1250	1130	90	1090	87	4	72-120/8
75-25-2	Bromoform	ND		1250	1000	80	975	78	3	55-127/11
108-90-7	Chlorobenzene	ND		1250	1210	97	1190	95	2	79-113/7
75-00-3	Chloroethane	ND		1250	1100	88	1130	90	3	56-164/14
67-66-3	Chloroform	ND		1250	1130	90	1110	89	2	75-120/8
110-75-8	2-Chloroethyl vinyl ether	ND		6250	3550	57	3250	52	9	8-137/18
56-23-5	Carbon tetrachloride	ND		1250	1160	93	1140	91	2	56-145/12
75-34-3	1,1-Dichloroethane	ND		1250	1140	91	1140	91	0	70-122/10
75-35-4	1,1-Dichloroethylene	ND		1250	1070	86	1060	85	1	61-137/15
107-06-2	1,2-Dichloroethane	55.9		1250	1070	81	1060	80	1	64-124/7
78-87-5	1,2-Dichloropropane	ND		1250	1170	94	1150	92	2	74-123/8
124-48-1	Dibromochloromethane	ND		1250	1060	85	1050	84	1	63-119/9
75-71-8	Dichlorodifluoromethane	ND		1250	1290	103	1310	105	2	35-184/21
156-59-2	cis-1,2-Dichloroethylene	ND		1250	1150	92	1130	90	2	74-125/9
10061-01-5	cis-1,3-Dichloropropene	ND		1250	1060	85	1050	84	1	65-112/10
541-73-1	m-Dichlorobenzene	ND		1250	1240	99	1210	97	2	74-114/7
95-50-1	o-Dichlorobenzene	ND		1250	1210	97	1190	95	2	73-114/8
106-46-7	p-Dichlorobenzene	ND		1250	1130	90	1120	90	1	74-112/7
156-60-5	trans-1,2-Dichloroethylene	ND		1250	1170	94	1130	90	3	70-127/11
10061-02-6	trans-1,3-Dichloropropene	ND		1250	1160	93	1150	92	1	59-116/11
100-41-4	Ethylbenzene	1430		1250	2780	108	2730	104	2	73-119/8
74-83-9	Methyl bromide	ND		1250	1160	93	1110	89	4	52-172/16
74-87-3	Methyl chloride	ND		1250	1170	94	1170	94	0	53-155/19
75-09-2	Methylene chloride	ND		1250	1010	81	1020	82	1	61-129/11
1634-04-4	Methyl Tert Butyl Ether	ND		1250	1090	87	1120	90	3	61-129/9
71-55-6	1,1,1-Trichloroethane	ND		1250	1150	92	1120	90	3	72-133/8
79-34-5	1,1,2,2-Tetrachloroethane	ND		1250	981	78	996	80	2	64-120/10
79-00-5	1,1,2-Trichloroethane	ND		1250	1050	84	1040	83	1	72-116/9
127-18-4	Tetrachloroethylene	ND		1250	1250	100	1250	100	0	70-126/9
108-88-3	Toluene	464		1250	1710	100	1680	97	2	67-123/8
79-01-6	Trichloroethylene	ND		1250	1210	97	1170	94	3	73-117/10
75-69-4	Trichlorofluoromethane	ND		1250	1230	98	1200	96	2	52-164/16
75-01-4	Vinyl chloride	ND		1250	1220	98	1180	94	3	63-161/18
	m,p-Xylene	2720		2500	5230	100	5110	96	2	74-123/7
95-47-6	o-Xylene	300		1250	1550	100	1500	96	3	68-123/7

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34590-2MS	B033194.D	50	09/14/05	KW	n/a	n/a	VB1403
F34590-2MSD	B033195.D	50	09/14/05	KW	n/a	n/a	VB1403
F34590-2	B033193.D	50	09/14/05	KW	n/a	n/a	VB1403

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

F34619-1, F34619-2

CAS No.	Surrogate Recoveries	MS	MSD	F34590-2	Limits
1868-53-7	Dibromofluoromethane	94%	96%	93%	86-115%
17060-07-0	1,2-Dichloroethane-D4	93%	94%	88%	73-126%
2037-26-5	Toluene-D8	101%	101%	101%	86-112%
460-00-4	4-Bromofluorobenzene	98%	100%	100%	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: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-MB	F011447.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

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

Method Blank Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-MB	F011447.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

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

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	50%	19-90%
4165-62-2	Phenol-d5	31%	10-68%

Method Blank Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-MB	F011447.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

CAS No.	Surrogate Recoveries		Limits
118-79-6	2,4,6-Tribromophenol	82%	36-137%
4165-60-0	Nitrobenzene-d5	81%	49-119%
321-60-8	2-Fluorobiphenyl	77%	45-118%
1718-51-0	Terphenyl-d14	83%	46-135%

CAS No.	Tentatively Identified Compounds	R.T.	Est. Conc.	Units	Q
110-82-7	Cyclohexane	2.35	19	ug/l	JN
994-05-8	Butane, 2-methoxy-2-methyl-	2.46	6.6	ug/l	JN
	Total TIC, Semi-Volatile		25.6	ug/l	J

Blank Spike Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-BS	F011446.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
65-85-0	Benzoic Acid	100	26.1	26	8-45
95-57-8	2-Chlorophenol	50	38.1	76	62-103
59-50-7	4-Chloro-3-methyl phenol	50	41.4	83	64-103
120-83-2	2,4-Dichlorophenol	50	41.3	83	59-103
105-67-9	2,4-Dimethylphenol	50	33.3	67	43-94
51-28-5	2,4-Dinitrophenol	100	102	102	12-125
534-52-1	4,6-Dinitro-o-cresol	100	108	108	47-119
95-48-7	2-Methylphenol	50	32.0	64	54-91
	3&4-Methylphenol	100	58.1	58	48-86
88-75-5	2-Nitrophenol	50	41.6	83	64-104
100-02-7	4-Nitrophenol	100	35.3	35	22-50
87-86-5	Pentachlorophenol	100	93.4	93	50-111
108-95-2	Phenol	50	15.3	31	25-53
95-95-4	2,4,5-Trichlorophenol	50	41.8	84	66-104
88-06-2	2,4,6-Trichlorophenol	50	43.5	87	60-103
83-32-9	Acenaphthene	50	42.3	85	62-101
208-96-8	Acenaphthylene	50	39.4	79	65-113
120-12-7	Anthracene	50	42.1	84	69-107
56-55-3	Benzo(a)anthracene	50	42.6	85	68-106
50-32-8	Benzo(a)pyrene	50	42.6	85	70-114
205-99-2	Benzo(b)fluoranthene	50	43.2	86	68-110
191-24-2	Benzo(g,h,i)perylene	50	42.8	86	63-115
207-08-9	Benzo(k)fluoranthene	50	44.3	89	68-112
101-55-3	4-Bromophenyl phenyl ether	50	43.9	88	73-103
85-68-7	Butyl benzyl phthalate	50	43.5	87	69-108
100-51-6	Benzyl Alcohol	50	33.3	67	34-104
91-58-7	2-Chloronaphthalene	50	39.9	80	64-102
106-47-8	4-Chloroaniline	50	38.9	78	57-104
86-74-8	Carbazole	50	42.6	85	69-113
218-01-9	Chrysene	50	42.6	85	68-103
111-91-1	bis(2-Chloroethoxy)methane	50	37.9	76	57-103
111-44-4	bis(2-Chloroethyl)ether	50	40.9	82	64-106
108-60-1	bis(2-Chloroisopropyl)ether	50	36.4	73	52-120
7005-72-3	4-Chlorophenyl phenyl ether	50	43.9	88	71-104
95-50-1	1,2-Dichlorobenzene	50	34.1	68	62-100
541-73-1	1,3-Dichlorobenzene	50	32.6	65	59-99

Blank Spike Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-BS	F011446.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
106-46-7	1,4-Dichlorobenzene	50	33.3	67	60-101
121-14-2	2,4-Dinitrotoluene	50	43.1	86	65-111
606-20-2	2,6-Dinitrotoluene	50	39.7	79	77-111
91-94-1	3,3'-Dichlorobenzidine	50	38.0	76	42-110
53-70-3	Dibenzo(a,h)anthracene	50	42.8	86	62-115
132-64-9	Dibenzofuran	50	40.9	82	69-104
84-74-2	Di-n-butyl phthalate	50	43.2	86	68-109
117-84-0	Di-n-octyl phthalate	50	46.6	93	63-120
84-66-2	Diethyl phthalate	50	44.2	88	64-110
131-11-3	Dimethyl phthalate	50	43.5	87	44-120
117-81-7	bis(2-Ethylhexyl)phthalate	50	44.3	89	64-115
206-44-0	Fluoranthene	50	42.9	86	68-111
86-73-7	Fluorene	50	41.6	83	66-105
118-74-1	Hexachlorobenzene	50	41.9	84	69-103
87-68-3	Hexachlorobutadiene	50	35.1	70	55-90
77-47-4	Hexachlorocyclopentadiene	50	26.2	52	26-95
67-72-1	Hexachloroethane	50	32.8	66	59-104
193-39-5	Indeno(1,2,3-cd)pyrene	50	44.1	88	63-118
78-59-1	Isophorone	50	40.7	81	64-107
91-57-6	2-Methylnaphthalene	50	37.3	75	66-100
88-74-4	2-Nitroaniline	50	40.7	81	65-111
99-09-2	3-Nitroaniline	50	42.5	85	61-106
100-01-6	4-Nitroaniline	50	43.6	87	60-113
91-20-3	Naphthalene	50	36.4	73	62-101
98-95-3	Nitrobenzene	50	40.1	80	61-106
621-64-7	N-Nitroso-di-n-propylamine	50	38.1	76	64-109
86-30-6	N-Nitrosodiphenylamine	50	43.5	87	69-114
85-01-8	Phenanthrene	50	42.5	85	68-104
129-00-0	Pyrene	50	42.4	85	64-105
120-82-1	1,2,4-Trichlorobenzene	50	35.9	72	64-101

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	45%	19-90%
4165-62-2	Phenol-d5	27%	10-68%

Blank Spike Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-BS	F011446.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

CAS No.	Surrogate Recoveries	BSP	Limits
118-79-6	2,4,6-Tribromophenol	84%	36-137%
4165-60-0	Nitrobenzene-d5	78%	49-119%
321-60-8	2-Fluorobiphenyl	75%	45-118%
1718-51-0	Terphenyl-d14	81%	46-135%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-MS	F011450.D	1	09/09/05	NJ	09/08/05	OP14361	SF629
OP14361-MSD	F011451.D	1	09/09/05	NJ	09/08/05	OP14361	SF629
F34619-4	F011449.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

CAS No.	Compound	F34619-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	25 U		200	118	59	115	58	3	16-73/41
95-57-8	2-Chlorophenol	5.0 U		100	87.8	88	91.2	91	4	53-102/24
59-50-7	4-Chloro-3-methyl phenol	5.0 U		100	92.6	93	96.0	96	4	60-101/18
120-83-2	2,4-Dichlorophenol	5.0 U		100	90.8	91	95.5	96	5	55-100/24
105-67-9	2,4-Dimethylphenol	5.0 U		100	83.7	84	87.6	88	5	36-98/26
51-28-5	2,4-Dinitrophenol	25 U		200	230	115	233	117	1	14-135/39
534-52-1	4,6-Dinitro-o-cresol	9.9 U		200	224	112	227	114	1	40-127/24
95-48-7	2-Methylphenol	5.0 U		100	80.2	80	83.0	83	3	46-100/23
	3&4-Methylphenol	5.0 U		200	153	77	159	80	4	43-100/23
88-75-5	2-Nitrophenol	5.0 U		100	94.5	95	96.9	97	3	53-104/25
100-02-7	4-Nitrophenol	25 U		200	112	56	109	55	3	32-81/28
87-86-5	Pentachlorophenol	25 U		200	198	99	202	101	2	44-118/16
108-95-2	Phenol	5.0 U		100	51.4	51	52.8	53	3	31-77/26
95-95-4	2,4,5-Trichlorophenol	5.0 U		100	90.4	90	94.2	94	4	61-102/18
88-06-2	2,4,6-Trichlorophenol	5.0 U		100	93.3	93	94.2	94	1	55-103/21
83-32-9	Acenaphthene	5.0 U		100	88.0	88	90.5	91	3	55-103/20
208-96-8	Acenaphthylene	5.0 U		100	83.0	83	85.5	86	3	55-113/20
120-12-7	Anthracene	5.0 U		100	87.0	87	90.4	90	4	66-105/14
56-55-3	Benzo(a)anthracene	5.0 U		100	89.0	89	92.9	93	4	65-103/16
50-32-8	Benzo(a)pyrene	5.0 U		100	86.2	86	90.2	90	5	65-113/16
205-99-2	Benzo(b)fluoranthene	5.0 U		100	87.0	87	91.6	92	5	62-110/17
191-24-2	Benzo(g,h,i)perylene	5.0 U		100	83.8	84	86.0	86	3	58-111/17
207-08-9	Benzo(k)fluoranthene	5.0 U		100	90.1	90	94.9	95	5	63-110/17
101-55-3	4-Bromophenyl phenyl ether	5.0 U		100	90.5	91	93.5	94	3	68-102/16
85-68-7	Butyl benzyl phthalate	5.0 U		100	87.0	87	92.3	92	6	65-108/17
100-51-6	Benzyl Alcohol	5.0 U		100	85.8	86	92.2	92	7	48-106/24
91-58-7	2-Chloronaphthalene	5.0 U		100	86.1	86	89.3	89	4	58-101/22
106-47-8	4-Chloroaniline	9.9 U		100	84.2	84	87.8	88	4	39-101/21
86-74-8	Carbazole	5.0 U		100	90.5	91	97.2	97	7	66-109/16
218-01-9	Chrysene	5.0 U		100	88.3	88	91.9	92	4	65-100/18
111-91-1	bis(2-Chloroethoxy)methane	5.0 U		100	82.8	83	85.9	86	4	49-100/24
111-44-4	bis(2-Chloroethyl)ether	5.0 U		100	92.9	93	94.7	95	2	54-103/24
108-60-1	bis(2-Chloroisopropyl)ether	5.0 U		100	80.8	81	85.0	85	5	49-109/22
7005-72-3	4-Chlorophenyl phenyl ether	5.0 U		100	91.2	91	92.5	93	1	65-103/18
95-50-1	1,2-Dichlorobenzene	5.0 U		100	84.7	85	87.0	87	3	50-101/22
541-73-1	1,3-Dichlorobenzene	5.0 U		100	81.5	82	85.5	86	5	50-100/23

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-MS	F011450.D	1	09/09/05	NJ	09/08/05	OP14361	SF629
OP14361-MSD	F011451.D	1	09/09/05	NJ	09/08/05	OP14361	SF629
F34619-4	F011449.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

CAS No.	Compound	F34619-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
106-46-7	1,4-Dichlorobenzene	5.0 U		100	83.1	83	86.3	86	4	51-101/23
121-14-2	2,4-Dinitrotoluene	5.0 U		100	92.9	93	93.6	94	1	60-110/16
606-20-2	2,6-Dinitrotoluene	5.0 U		100	85.8	86	88.6	89	3	60-111/19
91-94-1	3,3'-Dichlorobenzidine	9.9 U		100	52.7	53	57.7	58	9	18-112/22
53-70-3	Dibenzo(a,h)anthracene	5.0 U		100	84.4	84	86.5	87	2	57-111/20
132-64-9	Dibenzofuran	5.0 U		100	90.7	91	94.5	95	4	64-102/17
84-74-2	Di-n-butyl phthalate	5.0 U		100	85.9	86	88.3	88	3	63-107/17
117-84-0	Di-n-octyl phthalate	5.0 U		100	92.5	93	96.6	97	4	58-126/23
84-66-2	Diethyl phthalate	5.0 U		100	90.2	90	91.1	91	1	59-110/18
131-11-3	Dimethyl phthalate	5.0 U		100	90.2	90	92.5	93	3	40-116/25
117-81-7	bis(2-Ethylhexyl)phthalate	5.0 U		100	89.6	90	91.5	92	2	55-120/22
206-44-0	Fluoranthene	5.0 U		100	87.1	87	91.0	91	4	62-108/17
86-73-7	Fluorene	5.0 U		100	86.9	87	88.6	89	2	60-105/17
118-74-1	Hexachlorobenzene	5.0 U		100	84.8	85	87.5	88	3	64-102/16
87-68-3	Hexachlorobutadiene	5.0 U		100	85.3	85	87.7	88	3	45-93/26
77-47-4	Hexachlorocyclopentadiene	5.0 U		100	69.3	69	67.9	68	2	20-92/34
67-72-1	Hexachloroethane	5.0 U		100	82.8	83	87.1	87	5	51-105/26
193-39-5	Indeno(1,2,3-cd)pyrene	5.0 U		100	86.9	87	89.2	89	3	61-111/19
78-59-1	Isophorone	5.0 U		100	87.5	88	91.5	92	4	59-103/23
91-57-6	2-Methylnaphthalene	5.0 U		100	89.0	89	92.3	92	4	56-100/23
88-74-4	2-Nitroaniline	9.9 U		100	90.4	90	95.6	96	6	61-107/18
99-09-2	3-Nitroaniline	9.9 U		100	83.3	83	86.0	86	3	47-107/26
100-01-6	4-Nitroaniline	9.9 U		100	95.4	95	97.9	98	3	48-119/21
91-20-3	Naphthalene	5.0 U		100	82.2	82	86.5	87	5	52-102/23
98-95-3	Nitrobenzene	5.0 U		100	88.9	89	92.4	92	4	51-103/25
621-64-7	N-Nitroso-di-n-propylamine	5.0 U		100	84.5	85	86.9	87	3	57-103/24
86-30-6	N-Nitrosodiphenylamine	5.0 U		100	88.3	88	93.5	94	6	62-112/16
85-01-8	Phenanthrene	5.0 U		100	87.0	87	91.3	91	5	64-103/15
129-00-0	Pyrene	5.0 U		100	90.5	91	94.4	94	4	59-107/21
120-82-1	1,2,4-Trichlorobenzene	5.0 U		100	85.5	86	88.4	88	3	54-102/24

CAS No.	Surrogate Recoveries	MS	MSD	F34619-4	Limits
367-12-4	2-Fluorophenol	67%	68%	34%	19-90%
4165-62-2	Phenol-d5	48%	49%	22%	10-68%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34619
Account: STOLCOGJ S M Stoller
Project: Star Center-B100

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP14361-MS	F011450.D	1	09/09/05	NJ	09/08/05	OP14361	SF629
OP14361-MSD	F011451.D	1	09/09/05	NJ	09/08/05	OP14361	SF629
F34619-4	F011449.D	1	09/09/05	NJ	09/08/05	OP14361	SF629

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

F34619-4

CAS No.	Surrogate Recoveries	MS	MSD	F34619-4	Limits
118-79-6	2,4,6-Tribromophenol	92%	95%	83%	36-137%
4165-60-0	Nitrobenzene-d5	90%	93%	72%	49-119%
321-60-8	2-Fluorobiphenyl	85%	87%	70%	45-118%
1718-51-0	Terphenyl-d14	89%	92%	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: F34619
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8615
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/19/05

Metal	RL	IDL	MB raw	final
Aluminum	200	6.6		
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	.4		
Iron	300	7.1	0.66	<300
Lead	5.0	1.2	anr	
Magnesium	5000	9.9		
Manganese	15	.2		
Molybdenum	50	.8		
Nickel	40	1.1		
Potassium	5000	14		
Selenium	10	2		
Silver	10	.6		
Sodium	5000	150	anr	
Thallium	10	1.5		
Tin	50	1.5		
Vanadium	50	.5		
Zinc	20	.6		

Associated samples MP8615: F34619-3, F34619-4

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: F34619
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8615
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date:			09/19/05					09/19/05	
Metal	F34830-1 Original	DUP	RPD	QC Limits	F34830-1 Original	MS	Spikelot MPFLICP	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic	anr								
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium									
Cobalt									
Copper									
Iron	8270	7980	3.6	0-14	8270	60900	27000	194.9N(a	76-125
Lead	anr								
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium	anr								
Thallium									
Tin									
Vanadium									
Zinc									

Associated samples MP8615: F34619-3, F34619-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: F34619
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8615 | Methods: SW846 6010B
Matrix Type: AQUEOUS | Units: ug/l

Prep Date: 09/19/05

Metal	F34830-1 Original	MSD	Spikelot MPFLICP	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic	anr					
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium						
Cobalt						
Copper						
Iron	8270	61000	27000	195.3N(a	0.2	20
Lead	anr					
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium	anr					
Thallium						
Tin						
Vanadium						
Zinc						

Associated samples MP8615: F34619-3, F34619-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample nonhomogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: F34619
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8615
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/19/05

Metal	BSP Result	Spikelot MPFLICP	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	58200	54000	108.0	80-120
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8615: F34619-3, F34619-4

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

SERIAL DILUTION RESULTS SUMMARY

Login Number: F34619
Account: STOLCOGJ - S M Stoller
Project: Star Center-B100

QC Batch ID: MP8615
Matrix Type: AQUEOUS

Methods: SW846 6010B
Units: ug/l

Prep Date: 09/19/05

Metal	F34830-1 Original	SDL 1:5	RPD	QC Limits
Aluminum				
Antimony				
Arsenic	anr			
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium				
Cobalt				
Copper				
Iron	8270	8480	2.6	0-10
Lead	anr			
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium	anr			
Thallium				
Tin				
Vanadium				
Zinc				

Associated samples MP8615: F34619-3, F34619-4

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

Southeast ACCUTEST Laboratories

10/24/05

Technical Report for

S M Stoller

Star Center-B100 Monthly/Effluent; Largo, FL

7030-226

Accutest Job Number: F34620

Sampling Date: 09/07/05

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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Accutest LabLink@41810 12:23 24-Oct-2005

Sample Summary

S M Stoller

Job No: F34620

Star Center-B100 Monthly/Effluent; Largo, FL
Project No: 7030-226

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
F34620-1	09/07/05	11:30	JPC	09/07/05	AQ	Ground Water	PIN12-TRTE-N002*B100

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: S M Stoller **Job No:** F34620

Site: Star Center-B100 Monthly/Effluent; Largo, FL **Report Date** 9/22/2005

1 Sample was collected on 09/07/2005 and were received at Accutest on 09/07/2005 properly preserved, at 2.6 Deg. C and intact. These Samples received an Accutest job number of F34620.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:** VB1404

Samples F34840-2MS, F34840-2MSD were used as the QC samples indicated.

All method blanks for this batch meet method specific criteria.
F34620-1: 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: September 26,, 2005

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

Report of Analysis

Client Sample ID:	PIN12-TRTE-N002*B100		
Lab Sample ID:	F34620-1	**Date Sampled:**	09/07/05
Matrix:	AQ - Ground Water	**Date Received:**	09/07/05
Method:	EPA 624	**Percent Solids:**	n/a
Project:	Star Center-B100 Monthly/Effluent; Largo, FL		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1 [a]	B033226.D	1	09/15/05	KW	n/a	n/a	VB1404
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]	0.50 U	1.0	0.50	ug/l	
108-88-3	Toluene	0.50 U	1.0	0.50	ug/l	
100-41-4	Ethylbenzene	0.50 U	1.0	0.50	ug/l	
95-47-6	o-Xylene	0.50 U	1.0	0.50	ug/l	
	m,p-Xylene	0.50 U	2.0	0.50	ug/l	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		86-115%
17060-07-0	1,2-Dichloroethane-D4	92%		73-126%
2037-26-5	Toluene-D8	104%		86-112%
460-00-4	4-Bromofluorobenzene	118%		83-119%

(a) Sample collected on 09/07/05 at 11:30.
(b) Sample was treated with an anti-foaming agent.

U = Not detected MDL - Method Detection Limit
RL = Reporting Limit
L = Indicates value exceeds calibration range
I = Result > = MDL but < RL J = Estimated value
V = 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 #: F34620
ACCUTEST QUOTE #:

CLIENT INFORMATION

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

FACILITY INFORMATION

PROJECT NAME: STAR Center - Monthly effluent sample
LOCATION: 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	9-7-05	1130	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, Toluene, Ethylbenzene, Xylenes, Total VOAs

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.	9-7-05 1525	1.	2.	9-7-05 1525	2.
RELINQUISHED BY: 3.	9/7/05 14:15	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

F34620: Chain of Custody
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ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F34620 CLIENT: S.M. Stoller PROJECT: monthly - Star center

DATE/TIME RECEIVED: 9-7-05/ 19:15 # OF COOLERS RECEIVED: 1 COOLER TEMPS: 2.6

METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS:

COOLER INFORMATION

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

TRIP BLANK INFORMATION

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

SAMPLE INFORMATION

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

SOIL INFORMATION

NUMBER OF ENCORES ? Ø

NUMBER OF 5035 FIELD KITS ? Ø

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE Steven Carry/9-7-05 TECHNICIAN SIGNATURE/DATE

ASBD06/22/05

4.1

4

F34620: Chain of Custody

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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: F34620
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1404-MB	B033214.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34620-1

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	99%	86-115%
17060-07-0	1,2-Dichloroethane-D4	98%	73-126%
2037-26-5	Toluene-D8	103%	86-112%
460-00-4	4-Bromofluorobenzene	109%	83-119%

Blank Spike Summary

Job Number: F34620
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VB1404-BS	B033213.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34620-1

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
71-43-2	Benzene	25	25.2	101	80-120
100-41-4	Ethylbenzene	25	25.7	103	82-115
108-88-3	Toluene	25	25.1	100	81-114
	m,p-Xylene	50	47.1	94	83-118
95-47-6	o-Xylene	25	23.7	95	77-119

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	100%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	73-126%
2037-26-5	Toluene-D8	102%	86-112%
460-00-4	4-Bromofluorobenzene	93%	83-119%

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: F34620
Account: STOLCOGJ S M Stoller
Project: Star Center-B100 Monthly/Effluent; Largo, FL

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
F34840-2MS	B033216.D	1	09/15/05	KW	n/a	n/a	VB1404
F34840-2MSD	B033217.D	1	09/15/05	KW	n/a	n/a	VB1404
F34840-2	B033215.D	1	09/15/05	KW	n/a	n/a	VB1404

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

F34620-1

CAS No.	Compound	F34840-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	1.0 U		25	26.2	105	23.8	95	10*	72-125/7
100-41-4	Ethylbenzene	1.0 U		25	26.8	107	24.9	100	7	73-119/8
108-88-3	Toluene	1.0 U		25	25.7	103	24.1	96	6	67-123/8
	m,p-Xylene	2.0 U		50	49.3	99	45.7	91	8*	74-123/7
95-47-6	o-Xylene	1.0 U		25	24.6	98	22.8	91	8*	68-123/7

CAS No.	Surrogate Recoveries	MS	MSD	F34840-2	Limits
1868-53-7	Dibromofluoromethane	100%	97%	101%	86-115%
17060-07-0	1,2-Dichloroethane-D4	105%	101%	101%	73-126%
2037-26-5	Toluene-D8	100%	101%	104%	86-112%
460-00-4	4-Bromofluorobenzene	95%	96%	111%	83-119%