310IHSSF233

DocumentID	NONCD0002799
Site Name	WRIGHTSVILLE AVE
DocumentType	SITE ASSESSMENT RPT (SAR)
RptSegment	2
DocDate	5/29/2009
DocRcvd	7/2/2009
Box	SF233
AccessLevel	Public
Division	Waste Management
Section	Superfund
Program	IHS (IHS)
DocCat	Facility

APPENDIX A – SOIL BORING LOGS

CLIENT	JOB #	BORING #	SHEET
Investors Trust Mutual	22-13842B	S-1	1 OF 1

PROJECT NAME	ARCHITECT-ENGINEER
Wrightsville Avenue REC Site	Amy Conchas

SITE LOCATION
2505 Wrightsville Avenue, Wilmington, New Hanover County, North Carolina

ECS LLP CAROLINAS

DEPTH (ft)	SAMPLE TYPE	SAMPLE DISTANCE (in)	RECOVERY (in)	DESCRIPTION OF MATERIAL APPROXIMATE ELEVATION : ** FEET ABOVE MSL	WATER LEVEL (feet below land surface)	FID READINGS (ppm)
	SS	24		Gray and tan sand		0.0
				Black and brown sand		0.0
	SS	24		Dark grey sand, possible ash layer		0.0
				Sample collected		0.0
5	SS	24		Brown and tan sand		0.0
				Black and tan sand		0.0
	SS	24		Tan and light gray sand		0.0
				Light gray sand		0.0
	SS	24		Light gray sand	▼ @9'	0.0
10				Light gray sand, Boring terminated		0.0
	SS	24				
	SS	24				
15	SS	24				
	SS	24				
20	SS	24				

THE STRATIFICATION LINE REPRESENTS THE APPROXIMATE BOUNDARY LINE BETWEEN SOIL TYPES IN-SITU. THE TRANSITION MAY BE GRADUAL.

DATE INSTALLED	RIG TYPE	FOREMAN	DRILLING METHOD	NOTES
03/24/2009	Geoprobe®	Walt Davis	Direct Push	

CLIENT	JOB #	BORING #	SHEET
Investors Trust Mutual	22-13842B	S-2	1 OF 1

PROJECT NAME	ARCHITECT-ENGINEER
Wrightsville Avenue REC Site	Amy Conchas

SITE LOCATION
2505 Wrightsville Avenue, Wilmington, New Hanover County, North Carolina

ECS LLP CAROLINAS

DEPTH (ft)	SAMPLE TYPE	SAMPLE DISTANCE (in)	RECOVERY (in)	DESCRIPTION OF MATERIAL APPROXIMATE ELEVATION : ** FEET ABOVE MSL	WATER LEVEL (feet below land surface)	FID READINGS (ppm)
	SS	24		Black and brown sand		0.0
				Black, brown and red sand		0.0
	SS	24		Black and tan sand		0.0
				Sample collected		0.0
5	SS	24		Brown and tan sand		0.0
				Black and tan sand		0.0
	SS	24		Reddish, tan and gray sand		0.0
				Yellow and tan silty sand	▼ @8'	0.0
	SS	24		Yellow and tan silty sand		0.0
10				Yellow and tan silty sand. Boring terminated		0.0
	SS	24				
	SS	24				
15	SS	24				
	SS	24				
20	SS	24				

THE STRATIFICATION LINE REPRESENTS THE APPROXIMATE BOUNDARY LINE BETWEEN SOIL TYPES IN-SITU. THE TRANSITION MAY BE GRADUAL.

DATE INSTALLED	RIG TYPE	FOREMAN	DRILLING METHOD	NOTES
03/24/2009	Geoprobe®	Walt Davis	Direct Push	

CLIENT	JOB #	BORING #	SHEET
Investors Trust Mutual	22-13842B	S-3	1 OF 1

PROJECT NAME	ARCHITECT-ENGINEER
Wrightsville Avenue REC Site	Amy Conchas

SITE LOCATION
2505 Wrightsville Avenue, Wilmington, New Hanover County, North Carolina

ECS LLP CAROLINAS

DEPTH (ft)	SAMPLE TYPE	SAMPLE DISTANCE (in)	RECOVERY (in)	DESCRIPTION OF MATERIAL APPROXIMATE ELEVATION : ** FEET ABOVE MSL	WATER LEVEL (feet below land surface)	FID READINGS (ppm)
	SS	24		Black sand		0.0
				Black sand		0.0
	SS	24		Dark gray and brown sand		0.0
				Sample collected, tan sand		0.0
5	SS	24		Tan sand with black streaking		0.0
				Reddish brown sand with black streaking		0.0
	SS	24		Reddish brown sand with black streaking		0.0
				Reddish brown sand to light gray sand	▼ @8'	0.0
	SS	24		Tan and gray sand		0.0
10				Tan and gray sand. Boring terminated		0.0
	SS	24				
	SS	24				
15	SS	24				
	SS	24				
20	SS	24				

THE STRATIFICATION LINE REPRESENTS THE APPROXIMATE BOUNDARY LINE BETWEEN SOIL TYPES IN-SITU. THE TRANSITION MAY BE GRADUAL.

DATE INSTALLED	RIG TYPE	FOREMAN	DRILLING METHOD	NOTES
03/24/2009	Geoprobe®	Walt Davis	Direct Push	

CLIENT	JOB #	BORING #	SHEET
Investors Trust Mutual	22-13842B	S-4	1 OF 1

PROJECT NAME	ARCHITECT-ENGINEER
Wrightsville Avenue REC Site	Amy Conchas

SITE LOCATION
2505 Wrightsville Avenue, Wilmington, New Hanover County, North Carolina

ECS LLP CAROLINAS

DEPTH (ft)	SAMPLE TYPE	SAMPLE DISTANCE (in)	RECOVERY (in)	DESCRIPTION OF MATERIAL APPROXIMATE ELEVATION : ** FEET ABOVE MSL	WATER LEVEL (feet below land surface)	FID READINGS (ppm)
	SS	24		Black and brown silty sand		0.0
				Tan sand		0.0
	SS	24		Reddish tan clayey sand		0.0
				Reddish tan clayey sand		0.0
5	SS	24		Light red and tan clayey sand		0.0
				Sample collected. Light red and tan clayey sand with black streaking		1.6
	SS	24		Gray and tan sand		0.0
				Gray and tan sand		0.0
	SS	24		Gray and tan sand	▼ @9'	1.0
10				Gray and tan sand. Boring terminated		0.1
	SS	24				
	SS	24				
15	SS	24				
	SS	24				
20	SS	24				

THE STRATIFICATION LINE REPRESENTS THE APPROXIMATE BOUNDARY LINE BETWEEN SOIL TYPES IN-SITU. THE TRANSITION MAY BE GRADUAL.

DATE INSTALLED	RIG TYPE	FOREMAN	DRILLING METHOD	NOTES
03/24/2009	Geoprobe®	Walt Davis	Direct Push	

CLIENT	JOB #	BORING #	SHEET
Investors Trust Mutual	22-13842B	S-5	1 OF 1

PROJECT NAME	ARCHITECT-ENGINEER
Wrightsville Avenue REC Site	Amy Conchas

SITE LOCATION
2505 Wrightsville Avenue, Wilmington, New Hanover County, North Carolina

ECS LLP CAROLINAS

DEPTH (ft)	SAMPLE TYPE	SAMPLE DISTANCE (in)	RECOVERY (in)	DESCRIPTION OF MATERIAL APPROXIMATE ELEVATION : ** FEET ABOVE MSL	WATER LEVEL (feet below land surface)	FID READINGS (ppm)
	SS	24		Black silty sand		0.0
				Reddish tan silty sand		0.0
	SS	24		Reddish tan silty sand		0.0
				Reddish tan silty sand		0.0
5	SS	24		Gray and tan sand		0.0
				Tan sand		0.0
	SS	24		Tan sand		0.0
				Tan sand		0.0
	SS	24		Gray and tan sand	▼ @9'	0.0
10				Gray and tan sand, sample collected. Boring terminated		0.0
	SS	24				
	SS	24				
15	SS	24				
	SS	24				
20	SS	24				

THE STRATIFICATION LINE REPRESENTS THE APPROXIMATE BOUNDARY LINE BETWEEN SOIL TYPES IN-SITU. THE TRANSITION MAY BE GRADUAL.

DATE INSTALLED	RIG TYPE	FOREMAN	DRILLING METHOD	NOTES
03/24/2009	Geoprobe®	Walt Davis	Direct Push	

CLIENT	JOB #	BORING #	SHEET
Investors Trust Mutual	22-13842B	S-6	1 OF 1

PROJECT NAME	ARCHITECT-ENGINEER
Wrightsville Avenue REC Site	Amy Conchas

SITE LOCATION
2505 Wrightsville Avenue, Wilmington, New Hanover County, North Carolina

ECS LLP CAROLINAS

DEPTH (ft)	SAMPLE TYPE	SAMPLE DISTANCE (in)	RECOVERY (in)	DESCRIPTION OF MATERIAL APPROXIMATE ELEVATION : ** FEET ABOVE MSL	WATER LEVEL (feet below land surface)	FID READINGS (ppm)
	SS	24		Gray sand		0.0
				Brown and black sand		0.0
	SS	24		Red and brown clayey sand		0.0
				Red and tan clayey sand		0.0
5	SS	24		Tan sand		0.0
				Tan sand with black streaking		0.0
	SS	24		Light gray and white sand		0.0
				Light gray and white sand		0.0
	SS	24		Sample collected, light gray and white sand		3.8
10				Red and gray sand. Boring terminated	▼ @10'	0.0
	SS	24				
	SS	24				
15	SS	24				
	SS	24				
20	SS	24				

THE STRATIFICATION LINE REPRESENTS THE APPROXIMATE BOUNDARY LINE BETWEEN SOIL TYPES IN-SITU. THE TRANSITION MAY BE GRADUAL.

DATE INSTALLED	RIG TYPE	FOREMAN	DRILLING METHOD	NOTES
03/24/2009	Geoprobe®	Walt Davis	Direct Push	

CLIENT	JOB #	BORING #	SHEET
Investors Trust Mutual	22-13842B	S-7	1 OF 1

PROJECT NAME	ARCHITECT-ENGINEER
Wrightsville Avenue REC Site	Amy Conchas

SITE LOCATION
2505 Wrightsville Avenue, Wilmington, New Hanover County, North Carolina

ECS LLP CAROLINAS

DEPTH (ft)	SAMPLE TYPE	SAMPLE DISTANCE (in)	RECOVERY (in)	DESCRIPTION OF MATERIAL APPROXIMATE ELEVATION : ** FEET ABOVE MSL	WATER LEVEL (feet below land surface)	FID READINGS (ppm)
	SS	24		Salt and pepper silty sand		0.0
				Red and brown sand		0.0
	SS	24		Sample collected, red and brown sandy clay wit black streaking		9.6
				Tan sand		0.0
5	SS	24		Light tan sand		0.0
				Light gray and white sand		0.0
	SS	24		Light gray and white sand with black streaking		0.0
				Light gray and white sand with black streaking. Boring terminated	▼ @8'	0.0
10	SS	24				
	SS	24				
	SS	24				
15	SS	24				
	SS	24				
20	SS	24				

THE STRATIFICATION LINE REPRESENTS THE APPROXIMATE BOUNDARY LINE BETWEEN SOIL TYPES IN-SITU. THE TRANSITION MAY BE GRADUAL.

DATE INSTALLED	RIG TYPE	FOREMAN	DRILLING METHOD	NOTES
03/24/2009	Manual	Walt Davis	Hand Auger	

APPENDIX B – TEMPORARY MONITORING WELL CONSTUCTION DIAGRAMS

JOB NAME: Wrightsville Avenue Phase I Remedial Investigation

WELL NUMBER: TW-S6

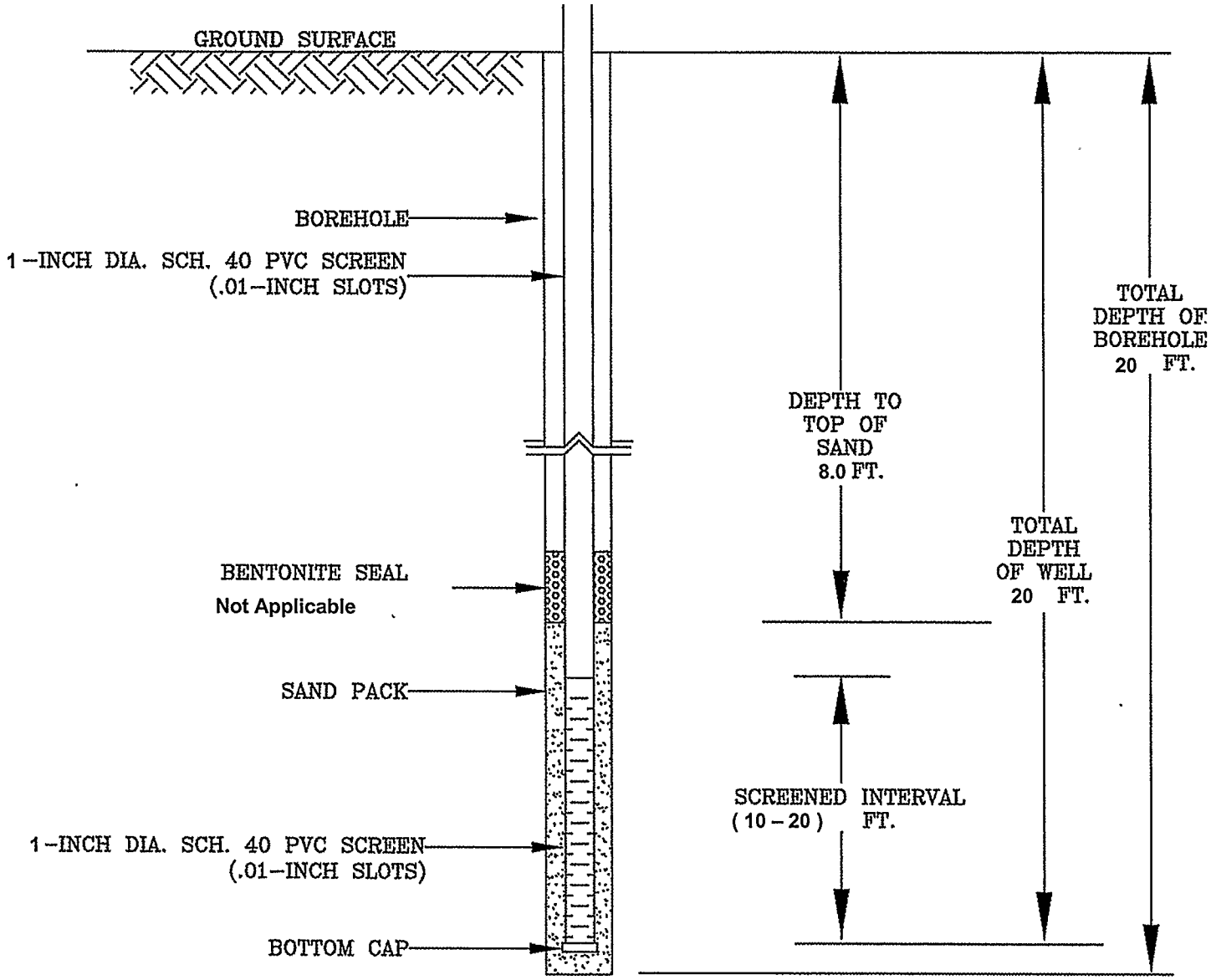
LOCATION: Wilmington, New Hanover County, North Carolina

INSTALLATION DATE: 3/24/09

JOB NUMBER: 22-13842

TOP OF CASING (TOC) ELEVAION*: 102.33

* = RELATIVE ELEVATION



NOTE: ALL PVC JOINTS ARE FLUSH THREADED

ECS LLP CAROLINAS

TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

JOB NAME: Wrightsville Avenue Phase I Remedial Investigation

WELL NUMBER: TW-S5

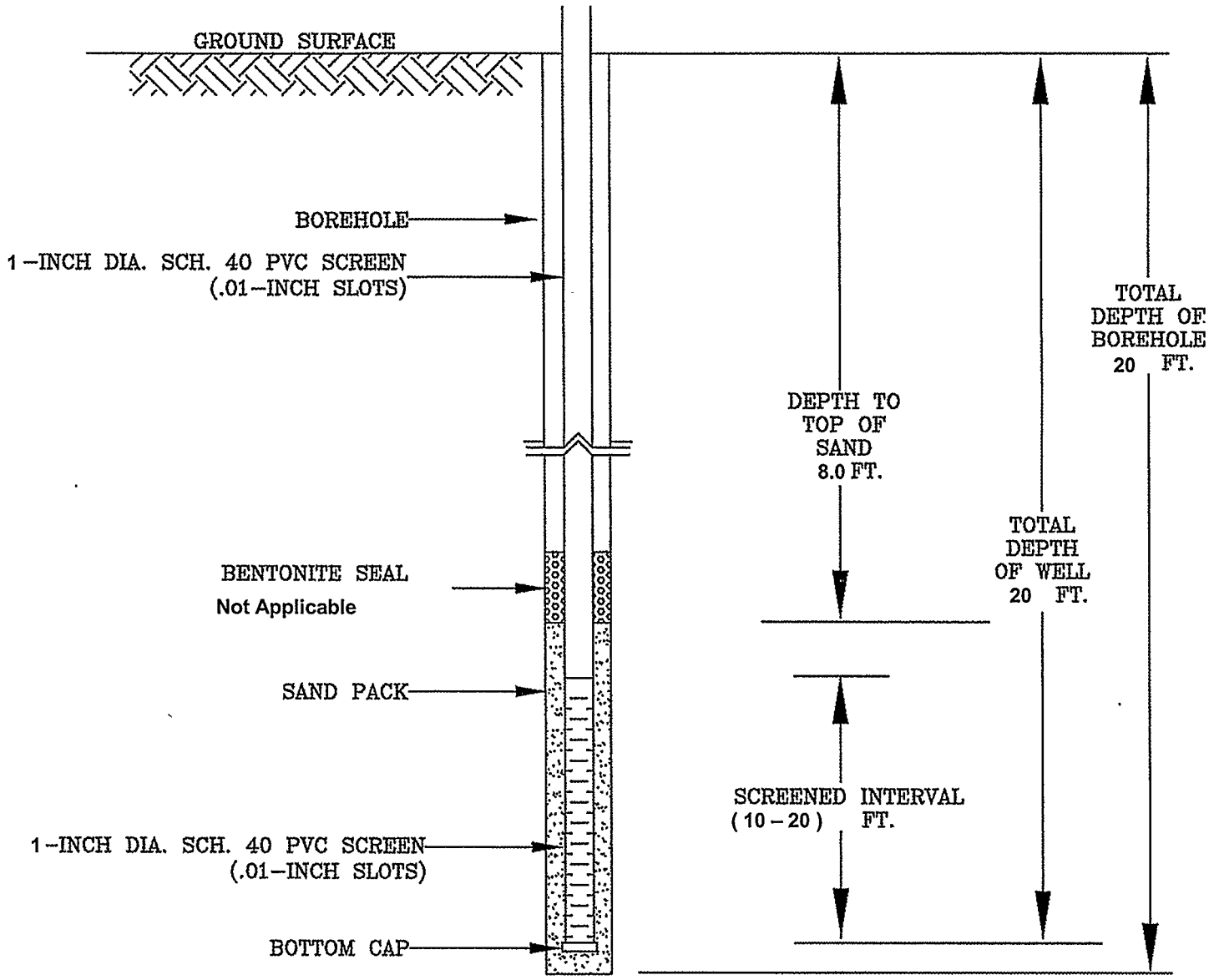
LOCATION: Wilmington, New Hanover County, North Carolina

INSTALLATION DATE: 3/24/09

JOB NUMBER: 22-13842

TOP OF CASING (TOC) ELEVAION*: 100.63

* = RELATIVE ELEVATION



NOTE: ALL PVC JOINTS ARE FLUSH THREADED

ECS LLP CAROLINAS

TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

JOB NAME: Wrightsville Avenue Phase I Remedial Investigation

WELL NUMBER: TW-S2

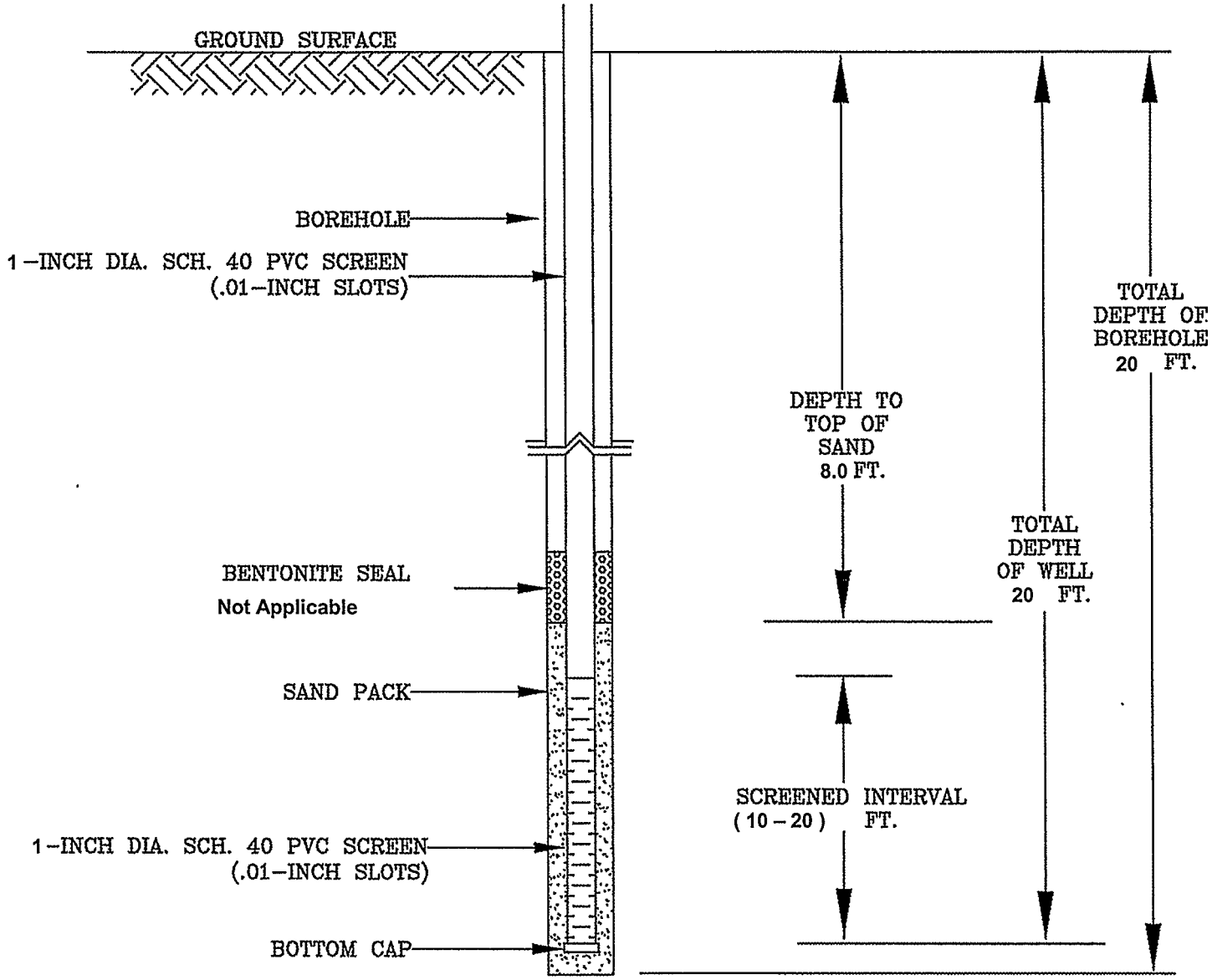
LOCATION: Wilmington, New Hanover County, North Carolina

INSTALLATION DATE: 3/24/09

JOB NUMBER: 22-13842

TOP OF CASING (TOC) ELEVAION*: 101.83

* = RELATIVE ELEVATION



NOTE: ALL PVC JOINTS ARE FLUSH THREADED

ECS LLP CAROLINAS

TEMPORARY MONITORING WELL CONSTRUCTION DIAGRAM

APPENDIX C – LABORATORY RESULTS

Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Wednesday, April 8, 2009

ECS - Wilmington (EA026)

Attn: Amy Conchas

7211 Ogden Business Park Suite 201

Wilmington, NC 28411

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Wrightsville Avenue REC
ENCO Workorder: C903684

Dear Amy Conchas,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, March 25, 2009.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 41.

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PROJECT NARRATIVE

Date:	08 April 2009
Client:	ECS- Wilmington
Project:	Wrightsville Avenue REC
Lab ID:	C903684

Overview

This report is an amendment to the original report dated 31 March 2009 for this work order. This report was revised, at the client's request, to include TICs for the 8270 analyses.

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

No Comments

Other Comments

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

www.encolabs.com

SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: TW-S-2 **Lab ID:** C903684-01 **Sampled:** 03/24/09 13:55 **Received:** 03/25/09 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009	15:02
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009	13:20
EPA 7470A	04/21/09		03/25/09	14:55	3/26/2009	15:59
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009	15:04
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/27/2009	08:41

Client ID: TW-S-5 **Lab ID:** C903684-02 **Sampled:** 03/24/09 14:25 **Received:** 03/25/09 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009	15:04
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009	13:23
EPA 7470A	04/21/09		03/25/09	14:55	3/26/2009	16:45
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009	15:34
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/27/2009	09:11

Client ID: TW-S-6 **Lab ID:** C903684-03 **Sampled:** 03/24/09 15:00 **Received:** 03/25/09 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009	15:07
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009	13:26
EPA 7470A	04/21/09		03/25/09	14:55	3/26/2009	16:10
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009	16:04
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/27/2009	09:42

Client ID: Duplicate **Lab ID:** C903684-04 **Sampled:** 03/24/09 14:30 **Received:** 03/25/09 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	09/20/09		03/25/09	14:48	3/30/2009	15:09
EPA 6020	09/20/09		03/25/09	14:50	3/27/2009	13:30
EPA 7470A	04/21/09		03/25/09	14:55	3/26/2009	16:13
EPA 8260B	04/07/09		03/26/09	10:03	3/26/2009	16:34
EPA 8270C	03/31/09	05/05/09	03/26/09	08:39	3/27/2009	10:12

Client ID: Trip Blank **Lab ID:** C903684-05 **Sampled:** 03/24/09 13:55 **Received:** 03/25/09 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B	04/07/09	03/26/09	10:03	3/26/2009	14:34

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SAMPLE DETECTION SUMMARY

Client ID: TW-S-2 **Lab ID: C903684-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	22.5		2.8	10.0	ug/L	EPA 6010B	
Beryllium - Total	1.08		0.08	1.00	ug/L	EPA 6010B	
Cadmium - Total	0.20	J	0.09	1.00	ug/L	EPA 6010B	
Chloroiodomethane	5.7	J			ug/L	EPA 8270C	
Chromium - Total	110		0.7	10.0	ug/L	EPA 6010B	
Copper - Total	15.4		0.81	10.0	ug/L	EPA 6010B	
Lead - Total	50.8		1.6	10.0	ug/L	EPA 6010B	
Mercury - Total	0.16	J	0.11	0.20	ug/L	EPA 7470A	
Nickel - Total	26.7		0.6	10.0	ug/L	EPA 6010B	
Thallium - Total	0.194	J	0.036	1.00	ug/L	EPA 6020	
Zinc - Total	68.0		3.4	10.0	ug/L	EPA 6010B	

Client ID: TW-S-5 **Lab ID: C903684-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	15.5		2.8	10.0	ug/L	EPA 6010B	
Beryllium - Total	0.33	J	0.08	1.00	ug/L	EPA 6010B	
Bis(2-ethylhexyl)phthalate	1.9	J	1.9	5.0	ug/L	EPA 8270C	
Chromium - Total	18.6		0.7	10.0	ug/L	EPA 6010B	
Copper - Total	2.65	J	0.81	10.0	ug/L	EPA 6010B	
Lead - Total	9.1	J	1.6	10.0	ug/L	EPA 6010B	
Nickel - Total	4.4	J	0.6	10.0	ug/L	EPA 6010B	
Selenium - Total	14.8		3.4	10.0	ug/L	EPA 6010B	
Thallium - Total	0.044	J	0.036	1.00	ug/L	EPA 6020	
Zinc - Total	28.8		3.4	10.0	ug/L	EPA 6010B	

Client ID: TW-S-6 **Lab ID: C903684-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	33.9		2.8	10.0	ug/L	EPA 6010B	
Beryllium - Total	1.34		0.08	1.00	ug/L	EPA 6010B	
Cadmium - Total	0.09	J	0.09	1.00	ug/L	EPA 6010B	
Chromium - Total	112		0.7	10.0	ug/L	EPA 6010B	
Copper - Total	11.0		0.81	10.0	ug/L	EPA 6010B	
Lead - Total	57.0		1.6	10.0	ug/L	EPA 6010B	
Mercury - Total	0.14	J	0.11	0.20	ug/L	EPA 7470A	
Nickel - Total	28.1		0.6	10.0	ug/L	EPA 6010B	
Thallium - Total	0.230	J	0.036	1.00	ug/L	EPA 6020	
Zinc - Total	54.3		3.4	10.0	ug/L	EPA 6010B	

Client ID: Duplicate **Lab ID: C903684-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	13.3		2.8	10.0	ug/L	EPA 6010B	
Beryllium - Total	0.38	J	0.08	1.00	ug/L	EPA 6010B	
Chromium - Total	20.1		0.7	10.0	ug/L	EPA 6010B	
Copper - Total	3.65	J	0.81	10.0	ug/L	EPA 6010B	
Lead - Total	11.4		1.6	10.0	ug/L	EPA 6010B	
Nickel - Total	4.6	J	0.6	10.0	ug/L	EPA 6010B	
Selenium - Total	19.5		3.4	10.0	ug/L	EPA 6010B	
Thallium - Total	0.038	J	0.036	1.00	ug/L	EPA 6020	
Zinc - Total	16.5		3.4	10.0	ug/L	EPA 6010B	

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ANALYTICAL RESULTS

Description: TW-S-2
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-01
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Ethanol [64-17-5]	26	U	ug/L	1	26	50	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	

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Description: TW-S-2
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-01
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 15:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 15:04*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*91 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 15:04*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 15:04*	*JKG*	

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Description: TW-S-2
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-01
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
1,2-Dichlorobenzene [95-50-1] ^	2.3	U	ug/L	1	2.3	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
1,3-Dichlorobenzene [541-73-1] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
1,4-Dichlorobenzene [106-46-7] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
1-Methylnaphthalene [90-12-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	9C26005	EPA 8270C	03/27/09 08:41	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzidine [92-87-5] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzoic acid [65-85-0] ^	4.3	U	ug/L	1	4.3	50	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	

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Description: TW-S-2
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-01
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Naphthalene [91-20-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Pentachlorophenol [87-86-5] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	
Pyridine [110-86-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 08:41	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*87*	*1*	*100*	*87 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/27/09 08:41*	*DFM*	
2-Fluorobiphenyl	*36*	*1*	*50.0*	*71 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/27/09 08:41*	*DFM*	
2-Fluorophenol	*51*	*1*	*100*	*51 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/27/09 08:41*	*DFM*	
Nitrobenzene-d5	*36*	*1*	*50.0*	*72 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/27/09 08:41*	*DFM*	
Phenol-d5	*44*	*1*	*100*	*44 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/27/09 08:41*	*DFM*	
Terphenyl-d14	*36*	*1*	*50.0*	*71 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/27/09 08:41*	*DFM*	

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Description: TW-S-2
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-01
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Chloroiodomethane [000593-71-5]	5.7	J	ug/L	1			9C26005	EPA 8270C	03/27/09 08:41	DFM	

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Description: TW-S-2
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-01
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	9C25025	EPA 6020	03/27/09 13:20	VLO	
Arsenic [7440-38-2] ^	**22.5**		ug/L	1	2.8	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Beryllium [7440-41-7] ^	**1.08**		ug/L	1	0.08	1.00	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Cadmium [7440-43-9] ^	**0.20**	J	ug/L	1	0.09	1.00	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Chromium [7440-47-3] ^	**110**		ug/L	1	0.7	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Copper [7440-50-8] ^	**15.4**		ug/L	1	0.81	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Lead [7439-92-1] ^	**50.8**		ug/L	1	1.6	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Mercury [7439-97-6] ^	**0.16**	J	ug/L	1	0.11	0.20	9C25027	EPA 7470A	03/26/09 15:59	NLH	
Nickel [7440-02-0] ^	**26.7**		ug/L	1	0.6	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	
Thallium [7440-28-0] ^	**0.194**	J	ug/L	1	0.036	1.00	9C25025	EPA 6020	03/27/09 13:20	VLO	
Zinc [7440-66-6] ^	**68.0**		ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:02	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: TW-S-5
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-02
Sampled: 03/24/09 14:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Ethanol [64-17-5]	26	U	ug/L	1	26	50	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	

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Description: TW-S-5
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-02
Sampled: 03/24/09 14:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 15:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 15:34*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 15:34*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 15:34*	*JKG*	

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Description: TW-S-5
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-02
Sampled: 03/24/09 14:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
1,2-Dichlorobenzene [95-50-1] ^	2.3	U	ug/L	1	2.3	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
1,3-Dichlorobenzene [541-73-1] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
1,4-Dichlorobenzene [106-46-7] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
1-Methylnaphthalene [90-12-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	9C26005	EPA 8270C	03/27/09 09:11	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzidine [92-87-5] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzoic acid [65-85-0] ^	4.3	U	ug/L	1	4.3	50	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	**1.9**	J	ug/L	1	1.9	5.0	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	

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Description: TW-S-5
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-02
Sampled: 03/24/09 14:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Naphthalene [91-20-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Pentachlorophenol [87-86-5] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	
Pyridine [110-86-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:11	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*83*	*1*	*100*	*83 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/27/09 09:11*	*DFM*	
2-Fluorobiphenyl	*38*	*1*	*50.0*	*77 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/27/09 09:11*	*DFM*	
2-Fluorophenol	*53*	*1*	*100*	*53 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/27/09 09:11*	*DFM*	
Nitrobenzene-d5	*39*	*1*	*50.0*	*79 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/27/09 09:11*	*DFM*	
Phenol-d5	*44*	*1*	*100*	*44 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/27/09 09:11*	*DFM*	
Terphenyl-d14	*36*	*1*	*50.0*	*72 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/27/09 09:11*	*DFM*	

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Description: TW-S-5
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-02
Sampled: 03/24/09 14:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds [NA]	0.0	U	ug/L	1			9C26005	EPA 8270C	03/27/09 09:11	DFM	

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Description: TW-S-5
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-02
Sampled: 03/24/09 14:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	9C25025	EPA 6020	03/27/09 13:23	VLO	
Arsenic [7440-38-2] ^	**15.5**		ug/L	1	2.8	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Beryllium [7440-41-7] ^	**0.33**	J	ug/L	1	0.08	1.00	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Chromium [7440-47-3] ^	**18.6**		ug/L	1	0.7	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Copper [7440-50-8] ^	**2.65**	J	ug/L	1	0.81	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Lead [7439-92-1] ^	**9.1**	J	ug/L	1	1.6	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	9C25027	EPA 7470A	03/26/09 16:45	NLH	
Nickel [7440-02-0] ^	**4.4**	J	ug/L	1	0.6	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Selenium [7782-49-2] ^	**14.8**		ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	
Thallium [7440-28-0] ^	**0.044**	J	ug/L	1	0.036	1.00	9C25025	EPA 6020	03/27/09 13:23	VLO	
Zinc [7440-66-6] ^	**28.8**		ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:04	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: TW-S-6
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-03
Sampled: 03/24/09 15:00
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Ethanol [64-17-5]	26	U	ug/L	1	26	50	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	

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Description: TW-S-6
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-03
Sampled: 03/24/09 15:00
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 16:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 16:04*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 16:04*	*JKG*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 16:04*	*JKG*	

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Description: TW-S-6
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-03
Sampled: 03/24/09 15:00
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
1,2-Dichlorobenzene [95-50-1] ^	2.3	U	ug/L	1	2.3	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
1,3-Dichlorobenzene [541-73-1] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
1,4-Dichlorobenzene [106-46-7] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
1-Methylnaphthalene [90-12-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	9C26005	EPA 8270C	03/27/09 09:42	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzidine [92-87-5] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzoic acid [65-85-0] ^	4.3	U	ug/L	1	4.3	50	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	

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Description: TW-S-6
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-03
Sampled: 03/24/09 15:00
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Naphthalene [91-20-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Pentachlorophenol [87-86-5] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	
Pyridine [110-86-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 09:42	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*79*	*1*	*100*	*79 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/27/09 09:42*	*DFM*	
2-Fluorobiphenyl	*35*	*1*	*50.0*	*69 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/27/09 09:42*	*DFM*	
2-Fluorophenol	*44*	*1*	*100*	*44 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/27/09 09:42*	*DFM*	
Nitrobenzene-d5	*33*	*1*	*50.0*	*66 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/27/09 09:42*	*DFM*	
Phenol-d5	*39*	*1*	*100*	*39 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/27/09 09:42*	*DFM*	
Terphenyl-d14	*37*	*1*	*50.0*	*74 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/27/09 09:42*	*DFM*	

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Description: TW-S-6
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-03
Sampled: 03/24/09 15:00
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds [NA]	0.0	U	ug/L	1			9C26005	EPA 8270C	03/27/09 09:42	DFM	

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Description: TW-S-6
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-03
Sampled: 03/24/09 15:00
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	9C25025	EPA 6020	03/27/09 13:26	VLO	
Arsenic [7440-38-2] ^	**33.9**		ug/L	1	2.8	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Beryllium [7440-41-7] ^	**1.34**		ug/L	1	0.08	1.00	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Cadmium [7440-43-9] ^	**0.09**	J	ug/L	1	0.09	1.00	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Chromium [7440-47-3] ^	**112**		ug/L	1	0.7	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Copper [7440-50-8] ^	**11.0**		ug/L	1	0.81	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Lead [7439-92-1] ^	**57.0**		ug/L	1	1.6	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Mercury [7439-97-6] ^	**0.14**	J	ug/L	1	0.11	0.20	9C25027	EPA 7470A	03/26/09 16:10	NLH	
Nickel [7440-02-0] ^	**28.1**		ug/L	1	0.6	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Selenium [7782-49-2] ^	3.4	U	ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	
Thallium [7440-28-0] ^	**0.230**	J	ug/L	1	0.036	1.00	9C25025	EPA 6020	03/27/09 13:26	VLO	
Zinc [7440-66-6] ^	**54.3**		ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:07	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Duplicate
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-04
Sampled: 03/24/09 14:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Ethanol [64-17-5]	26	U	ug/L	1	26	50	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	

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Description: Duplicate
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-04
Sampled: 03/24/09 14:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 16:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 16:34*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 16:34*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*88 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 16:34*	*JKG*	

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Description: Duplicate
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-04
Sampled: 03/24/09 14:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
1,2-Dichlorobenzene [95-50-1] ^	2.3	U	ug/L	1	2.3	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
1,3-Dichlorobenzene [541-73-1] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
1,4-Dichlorobenzene [106-46-7] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
1-Methylnaphthalene [90-12-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2,4-Dichlorophenol [120-83-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2,4-Dimethylphenol [105-67-9] ^	3.0	U	ug/L	1	3.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2,4-Dinitrophenol [51-28-5] ^	1.7	U	ug/L	1	1.7	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2,4-Dinitrotoluene [121-14-2] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2,6-Dinitrotoluene [606-20-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2-Chloronaphthalene [91-58-7] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2-Chlorophenol [95-57-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2-Methylnaphthalene [91-57-6] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2-Methylphenol [95-48-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2-Nitroaniline [88-74-4] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
2-Nitrophenol [88-75-5] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	1.9	U	ug/L	1	1.9	20	9C26005	EPA 8270C	03/27/09 10:12	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
3-Nitroaniline [99-09-2] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
4-Chloroaniline [106-47-8] ^	1.6	U	ug/L	1	1.6	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
4-Nitroaniline [100-01-6] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
4-Nitrophenol [100-02-7] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Acenaphthene [83-32-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Acenaphthylene [208-96-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Anthracene [120-12-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzidine [92-87-5] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzo(a)anthracene [56-55-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzo(a)pyrene [50-32-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzo(b)fluoranthene [205-99-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzo(k)fluoranthene [207-08-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzoic acid [65-85-0] ^	4.3	U	ug/L	1	4.3	50	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Benzyl alcohol [100-51-6] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	2.2	U	ug/L	1	2.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	1.9	U	ug/L	1	1.9	5.0	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Butylbenzylphthalate [85-68-7] ^	1.4	U	ug/L	1	1.4	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Chrysene [218-01-9] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Dibenzofuran [132-64-9] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Diethylphthalate [84-66-2] ^	1.3	U	ug/L	1	1.3	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Dimethylphthalate [131-11-3] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Di-n-butylphthalate [84-74-2] ^	1.0	U	ug/L	1	1.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Di-n-octylphthalate [117-84-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	

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Description: Duplicate
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-04
Sampled: 03/24/09 14:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Fluorene [86-73-7] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Hexachlorobenzene [118-74-1] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Hexachlorobutadiene [87-68-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Hexachloroethane [67-72-1] ^	2.4	U	ug/L	1	2.4	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Isophorone [78-59-1] ^	1.8	U	ug/L	1	1.8	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Naphthalene [91-20-3] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Nitrobenzene [98-95-3] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
N-Nitrosodimethylamine [62-75-9] ^	1.9	U	ug/L	1	1.9	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	1.1	U	ug/L	1	1.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Pentachlorophenol [87-86-5] ^	1.2	U	ug/L	1	1.2	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Phenanthrene [85-01-8] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Phenol [108-95-2] ^	1.5	U	ug/L	1	1.5	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Pyrene [129-00-0] ^	2.0	U	ug/L	1	2.0	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	
Pyridine [110-86-1] ^	2.1	U	ug/L	1	2.1	10	9C26005	EPA 8270C	03/27/09 10:12	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*75*	*1*	*100*	*75 %*	*18-157*	*9C26005*	*EPA 8270C*	*03/27/09 10:12*	*DFM*	
2-Fluorobiphenyl	*36*	*1*	*50.0*	*71 %*	*15-139*	*9C26005*	*EPA 8270C*	*03/27/09 10:12*	*DFM*	
2-Fluorophenol	*49*	*1*	*100*	*49 %*	*10-104*	*9C26005*	*EPA 8270C*	*03/27/09 10:12*	*DFM*	
Nitrobenzene-d5	*36*	*1*	*50.0*	*72 %*	*16-140*	*9C26005*	*EPA 8270C*	*03/27/09 10:12*	*DFM*	
Phenol-d5	*41*	*1*	*100*	*41 %*	*10-83*	*9C26005*	*EPA 8270C*	*03/27/09 10:12*	*DFM*	
Terphenyl-d14	*34*	*1*	*50.0*	*68 %*	*23-164*	*9C26005*	*EPA 8270C*	*03/27/09 10:12*	*DFM*	

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Description: Duplicate
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-04
Sampled: 03/24/09 14:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Tentatively Identified Compounds [NA]	0.0	U	ug/L	1			9C26005	EPA 8270C	03/27/09 10:12	DFM	

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Description: Duplicate
Matrix: Ground Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-04
Sampled: 03/24/09 14:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Antimony [7440-36-0] ^	0.68	U	ug/L	1	0.68	2.00	9C25025	EPA 6020	03/27/09 13:30	VLO	
Arsenic [7440-38-2] ^	**13.3**		ug/L	1	2.8	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Beryllium [7440-41-7] ^	**0.38**	J	ug/L	1	0.08	1.00	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Cadmium [7440-43-9] ^	0.09	U	ug/L	1	0.09	1.00	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Chromium [7440-47-3] ^	**20.1**		ug/L	1	0.7	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Copper [7440-50-8] ^	**3.65**	J	ug/L	1	0.81	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Lead [7439-92-1] ^	**11.4**		ug/L	1	1.6	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Mercury [7439-97-6] ^	0.11	U	ug/L	1	0.11	0.20	9C25027	EPA 7470A	03/26/09 16:13	NLH	
Nickel [7440-02-0] ^	**4.6**	J	ug/L	1	0.6	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Selenium [7782-49-2] ^	**19.5**		ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Silver [7440-22-4] ^	1.0	U	ug/L	1	1.0	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	
Thallium [7440-28-0] ^	**0.038**	J	ug/L	1	0.036	1.00	9C25025	EPA 6020	03/27/09 13:30	VLO	
Zinc [7440-66-6] ^	**16.5**		ug/L	1	3.4	10.0	9C25024	EPA 6010B	03/30/09 15:09	JDH	

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Description: Trip Blank
Matrix: Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-05
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Ethanol [64-17-5]	26	U	ug/L	1	26	50	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	

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Description: Trip Blank
Matrix: Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903684-05
Sampled: 03/24/09 13:55
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903684

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 14:34	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 14:34*	*JKG*	
Dibromofluoromethane	*46*	*1*	*50.0*	*92 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 14:34*	*JKG*	
Toluene-d8	*44*	*1*	*50.0*	*89 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 14:34*	*JKG*	

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26015 - EPA 5030B_MS

Blank (9C26015-BLK1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	1.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethanol	26	U	50	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26015 - EPA 5030B_MS

Blank (9C26015-BLK1) Continued Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Isopropylbenzene	0.24	U	1.0	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

LCS (9C26015-BS1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 11:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		106	75-133			
Benzene	21		1.0	ug/L	20.0		106	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		90	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	18		1.0	ug/L	20.0		90	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

Matrix Spike (9C26015-MS1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 11:35

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.24 U	131	75-133			
Benzene	26		1.0	ug/L	20.0	0.64	125	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.27 U	104	83-117			
Toluene	21		1.0	ug/L	20.0	0.27 U	107	71-118			
Trichloroethene	24		1.0	ug/L	20.0	3.1	102	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

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Batch 9C26015 - EPA 5030B_MS

Matrix Spike Dup (9C26015-MSD1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 12:05

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.24 U	116	75-133	12	20	
Benzene	24		1.0	ug/L	20.0	0.64	119	81-134	5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	83-117	8	16	
Toluene	21		1.0	ug/L	20.0	0.27 U	103	71-118	4	17	
Trichloroethene	22		1.0	ug/L	20.0	3.1	95	75-115	6	18	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C26005 - EPA 3510C_MS

Blank (9C26005-BLK1) Prepared: 03/26/2009 08:39 Analyzed: 03/27/2009 06:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	2.1	U	10	ug/L							
1,2-Dichlorobenzene	2.3	U	10	ug/L							
1,3-Dichlorobenzene	2.2	U	10	ug/L							
1,4-Dichlorobenzene	2.2	U	10	ug/L							
1-Methylnaphthalene	2.0	U	10	ug/L							
2,4,5-Trichlorophenol	1.1	U	10	ug/L							
2,4,6-Trichlorophenol	1.4	U	10	ug/L							
2,4-Dichlorophenol	1.6	U	10	ug/L							
2,4-Dimethylphenol	3.0	U	10	ug/L							
2,4-Dinitrophenol	1.7	U	10	ug/L							
2,4-Dinitrotoluene	1.2	U	10	ug/L							
2,6-Dinitrotoluene	1.0	U	10	ug/L							
2-Chloronaphthalene	1.6	U	10	ug/L							
2-Chlorophenol	2.0	U	10	ug/L							
2-Methyl-4,6-dinitrophenol	1.4	U	10	ug/L							
2-Methylnaphthalene	2.0	U	10	ug/L							
2-Methylphenol	2.0	U	10	ug/L							
2-Nitroaniline	1.2	U	10	ug/L							
2-Nitrophenol	1.8	U	10	ug/L							
3 & 4-Methylphenol	1.9	U	20	ug/L							
3,3'-Dichlorobenzidine	1.8	U	10	ug/L							
3-Nitroaniline	1.6	U	10	ug/L							
4-Bromophenyl-phenylether	1.2	U	10	ug/L							
4-Chloro-3-methylphenol	1.4	U	10	ug/L							
4-Chloroaniline	1.6	U	10	ug/L							
4-Chlorophenyl-phenylether	1.2	U	10	ug/L							
4-Nitroaniline	1.4	U	10	ug/L							
4-Nitrophenol	1.2	U	10	ug/L							
Acenaphthene	2.0	U	10	ug/L							
Acenaphthylene	2.0	U	10	ug/L							
Anthracene	2.0	U	10	ug/L							

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Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C26005 - EPA 3510C_MS

Blank (9C26005-BLK1) Continued Prepared: 03/26/2009 08:39 Analyzed: 03/27/2009 06:09

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Benzidine	1.5	U	10	ug/L							
Benzo(a)anthracene	2.0	U	10	ug/L							
Benzo(a)pyrene	2.0	U	10	ug/L							
Benzo(b)fluoranthene	2.0	U	10	ug/L							
Benzo(g,h,i)perylene	2.0	U	10	ug/L							
Benzo(k)fluoranthene	2.0	U	10	ug/L							
Benzoic acid	4.3	U	50	ug/L							
Benzyl alcohol	1.0	U	10	ug/L							
Bis(2-chloroethoxy)methane	2.0	U	10	ug/L							
Bis(2-chloroethyl)ether	2.1	U	10	ug/L							
Bis(2-chloroisopropyl)ether	2.2	U	10	ug/L							
Bis(2-ethylhexyl)phthalate	1.9	U	5.0	ug/L							
Butylbenzylphthalate	1.4	U	10	ug/L							
Chrysene	2.0	U	10	ug/L							
Dibenzo(a,h)anthracene	2.0	U	10	ug/L							
Dibenzofuran	1.3	U	10	ug/L							
Diethylphthalate	1.3	U	10	ug/L							
Dimethylphthalate	1.1	U	10	ug/L							
Di-n-butylphthalate	**1.0**	**J**	10	ug/L							O-01
Di-n-octylphthalate	2.0	U	10	ug/L							
Fluoranthene	2.0	U	10	ug/L							
Fluorene	2.0	U	10	ug/L							
Hexachlorobenzene	1.1	U	10	ug/L							
Hexachlorobutadiene	2.0	U	10	ug/L							
Hexachlorocyclopentadiene	2.0	U	10	ug/L							
Hexachloroethane	2.4	U	10	ug/L							
Indeno(1,2,3-cd)pyrene	2.0	U	10	ug/L							
Isophorone	1.8	U	10	ug/L							
Naphthalene	2.0	U	10	ug/L							
Nitrobenzene	1.9	U	10	ug/L							
N-Nitrosodimethylamine	1.9	U	10	ug/L							
N-Nitroso-di-n-propylamine	2.1	U	10	ug/L							
N-Nitrosodiphenylamine/Diphenylamine	1.1	U	10	ug/L							
Pentachlorophenol	1.2	U	10	ug/L							
Phenanthrene	2.0	U	10	ug/L							
Phenol	1.5	U	10	ug/L							
Pyrene	2.0	U	10	ug/L							
Pyridine	2.1	U	10	ug/L							
Surrogate: 2,4,6-Tribromophenol	*73*			*ug/L*	*100*		*73*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*74*	*15-139*			
Surrogate: 2-Fluorophenol	*50*			*ug/L*	*100*		*50*	*10-104*			
Surrogate: Nitrobenzene-d5	*36*			*ug/L*	*50.0*		*71*	*16-140*			
Surrogate: Phenol-d5	*42*			*ug/L*	*100*		*42*	*10-83*			
Surrogate: Terphenyl-d14	*38*			*ug/L*	*50.0*		*76*	*23-164*			

LCS (9C26005-BS1) Prepared: 03/26/2009 08:39 Analyzed: 03/27/2009 06:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes

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Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C26005 - EPA 3510C_MS

LCS (9C26005-BS1) Continued

Prepared: 03/26/2009 08:39 Analyzed: 03/27/2009 06:40

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	21		10	ug/L	50.0		43	24-97			
1,4-Dichlorobenzene	19		10	ug/L	50.0		39	22-90			
2,4-Dinitrotoluene	42		10	ug/L	50.0		85	74-125			
2-Chlorophenol	31		10	ug/L	50.0		62	47-109			
4-Chloro-3-methylphenol	40		10	ug/L	50.0		81	64-120			
4-Nitrophenol	29		10	ug/L	50.0		58	37-88			
Acenaphthene	34		10	ug/L	50.0		67	51-118			
N-Nitroso-di-n-propylamine	31		10	ug/L	50.0		62	53-133			
Pentachlorophenol	44		10	ug/L	50.0		88	53-137			
Phenol	21		10	ug/L	50.0		41	23-75			
Pyrene	40		10	ug/L	50.0		80	73-129			
Surrogate: 2,4,6-Tribromophenol	*93*			*ug/L*	*100*		*93*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*33*			*ug/L*	*50.0*		*66*	*15-139*			
Surrogate: 2-Fluorophenol	*44*			*ug/L*	*100*		*44*	*10-104*			
Surrogate: Nitrobenzene-d5	*31*			*ug/L*	*50.0*		*62*	*16-140*			
Surrogate: Phenol-d5	*38*			*ug/L*	*100*		*38*	*10-83*			
Surrogate: Terphenyl-d14	*36*			*ug/L*	*50.0*		*73*	*23-164*			

Matrix Spike (9C26005-MS1)

Source: C903307-04

Prepared: 03/26/2009 08:39 Analyzed: 03/27/2009 07:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	24		10	ug/L	50.0	2.1 U	49	24-97			
1,4-Dichlorobenzene	24		10	ug/L	50.0	2.2 U	48	22-90			
2,4-Dinitrotoluene	44		10	ug/L	50.0	1.2 U	89	74-125			
2-Chlorophenol	39		10	ug/L	50.0	2.0 U	78	47-109			
4-Chloro-3-methylphenol	49		10	ug/L	50.0	1.4 U	98	64-120			
4-Nitrophenol	37		10	ug/L	50.0	1.2 U	73	37-88			
Acenaphthene	37		10	ug/L	50.0	2.0 U	73	51-118			
N-Nitroso-di-n-propylamine	30		10	ug/L	50.0	2.1 U	59	53-133			
Pentachlorophenol	53		10	ug/L	50.0	1.2 U	106	53-137			
Phenol	26		10	ug/L	50.0	1.5 U	51	23-75			
Pyrene	41		10	ug/L	50.0	2.0 U	81	73-129			
Surrogate: 2,4,6-Tribromophenol	*100*			*ug/L*	*100*		*104*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*37*			*ug/L*	*50.0*		*74*	*15-139*			
Surrogate: 2-Fluorophenol	*55*			*ug/L*	*100*		*55*	*10-104*			
Surrogate: Nitrobenzene-d5	*38*			*ug/L*	*50.0*		*76*	*16-140*			
Surrogate: Phenol-d5	*47*			*ug/L*	*100*		*47*	*10-83*			
Surrogate: Terphenyl-d14	*39*			*ug/L*	*50.0*		*78*	*23-164*			

Matrix Spike Dup (9C26005-MSD1)

Source: C903307-04

Prepared: 03/26/2009 08:39 Analyzed: 03/27/2009 08:11

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	27		10	ug/L	50.0	2.1 U	54	24-97	9	30	
1,4-Dichlorobenzene	25		10	ug/L	50.0	2.2 U	50	22-90	5	29	
2,4-Dinitrotoluene	42		10	ug/L	50.0	1.2 U	84	74-125	6	11	

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Batch 9C26005 - EPA 3510C_MS

Matrix Spike Dup (9C26005-MSD1) Continued Prepared: 03/26/2009 08:39 Analyzed: 03/27/2009 08:11

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
2-Chlorophenol	38		10	ug/L	50.0	2.0 U	76	47-109	2	24	
4-Chloro-3-methylphenol	47		10	ug/L	50.0	1.4 U	94	64-120	4	11	
4-Nitrophenol	36		10	ug/L	50.0	1.2 U	71	37-88	2	21	
Acenaphthene	38		10	ug/L	50.0	2.0 U	75	51-118	3	13	
N-Nitroso-di-n-propylamine	30		10	ug/L	50.0	2.1 U	60	53-133	1	35	
Pentachlorophenol	52		10	ug/L	50.0	1.2 U	105	53-137	2	10	
Phenol	26		10	ug/L	50.0	1.5 U	51	23-75	0	29	
Pyrene	39		10	ug/L	50.0	2.0 U	77	73-129	5	15	
Surrogate: 2,4,6-Tribromophenol	*99*			*ug/L*	*100*		*99*	*18-157*			
Surrogate: 2-Fluorobiphenyl	*38*			*ug/L*	*50.0*		*76*	*15-139*			
Surrogate: 2-Fluorophenol	*55*			*ug/L*	*100*		*55*	*10-104*			
Surrogate: Nitrobenzene-d5	*37*			*ug/L*	*50.0*		*75*	*16-140*			
Surrogate: Phenol-d5	*48*			*ug/L*	*100*		*48*	*10-83*			
Surrogate: Terphenyl-d14	*37*			*ug/L*	*50.0*		*74*	*23-164*			

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25024 - EPA 3005A

Blank (9C25024-BLK1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	2.8	U	10.0	ug/L							
Beryllium	0.08	U	1.00	ug/L							
Cadmium	0.09	U	1.00	ug/L							
Chromium	0.7	U	10.0	ug/L							
Copper	0.81	U	10.0	ug/L							
Lead	1.6	U	10.0	ug/L							
Nickel	0.6	U	10.0	ug/L							
Selenium	3.4	U	10.0	ug/L							
Silver	1.0	U	10.0	ug/L							
Zinc	3.4	U	10.0	ug/L							

LCS (9C25024-BS1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:20

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	519		10.0	ug/L	500		104	80-120			
Beryllium	267		1.00	ug/L	250		107	80-120			
Cadmium	254		1.00	ug/L	250		102	80-120			
Chromium	520		10.0	ug/L	500		104	80-120			
Copper	258		10.0	ug/L	250		103	80-120			
Lead	532		10.0	ug/L	500		106	80-120			
Nickel	531		10.0	ug/L	500		106	80-120			
Selenium	536		10.0	ug/L	500		107	80-120			
Silver	52.4		10.0	ug/L	50.0		105	80-120			
Zinc	533		10.0	ug/L	500		107	80-120			

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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25024 - EPA 3005A

Matrix Spike (9C25024-MS1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:25

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	512		10.0	ug/L	500	3.1	102	75-125			
Beryllium	266		1.00	ug/L	250	3.02	105	75-125			
Cadmium	247		1.00	ug/L	250	1.06	98	75-125			
Chromium	511		10.0	ug/L	500	4.0	101	75-125			
Copper	251		10.0	ug/L	250	0.81 U	100	75-125			
Lead	521		10.0	ug/L	500	6.2	103	75-125			
Nickel	518		10.0	ug/L	500	2.8	103	75-125			
Selenium	524		10.0	ug/L	500	3.4 U	105	75-125			
Silver	52.4		10.0	ug/L	50.0	1.0 U	105	75-125			
Zinc	540		10.0	ug/L	500	38.3	100	75-125			

Matrix Spike Dup (9C25024-MSD1) Prepared: 03/25/2009 14:48 Analyzed: 03/30/2009 14:27

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	507		10.0	ug/L	500	3.1	101	75-125	1	25	
Beryllium	267		1.00	ug/L	250	3.02	105	75-125	0.1	25	
Cadmium	247		1.00	ug/L	250	1.06	98	75-125	0.2	25	
Chromium	511		10.0	ug/L	500	4.0	101	75-125	0.01	25	
Copper	251		10.0	ug/L	250	0.81 U	100	75-125	0.02	25	
Lead	517		10.0	ug/L	500	6.2	102	75-125	0.8	25	
Nickel	519		10.0	ug/L	500	2.8	103	75-125	0.2	25	
Selenium	524		10.0	ug/L	500	3.4 U	105	75-125	0.05	25	
Silver	51.7		10.0	ug/L	50.0	1.0 U	103	75-125	1	25	
Zinc	541		10.0	ug/L	500	38.3	100	75-125	0.2	25	

Batch 9C25025 - EPA 3005A

Blank (9C25025-BLK1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:18

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.68	U	2.00	ug/L							
Thallium	0.036	U	1.00	ug/L							

LCS (9C25025-BS1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:21

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.4		2.00	ug/L	25.0		98	85-115			
Thallium	24.6		1.00	ug/L	25.0		98	85-115			

Matrix Spike (9C25025-MS1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:28

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	23.8		2.00	ug/L	25.0	0.68 U	95	85-115			
Thallium	24.3		1.00	ug/L	25.0	0.036 U	97	85-115			

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Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25025 - EPA 3005A

Matrix Spike Dup (9C25025-MSD1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:38

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	24.9		2.00	ug/L	25.0	0.68 U	100	85-115	4	20	
Thallium	24.7		1.00	ug/L	25.0	0.036 U	99	85-115	2	20	

Post Spike (9C25025-PS1) Prepared: 03/25/2009 14:50 Analyzed: 03/27/2009 12:42

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Antimony	0.03		0.002	mg/L	0.0250	0.0001	105	75-125			
Thallium	0.027		0.001	mg/L	0.0250	0.00003	106	75-125			

Batch 9C25027 - EPA 245.1

Blank (9C25027-BLK1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 14:44

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.11	U	0.20	ug/L							

LCS (9C25027-BS1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 14:41

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.89		0.20	ug/L	5.00		98	85-115			

Matrix Spike (9C25027-MS1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 14:51

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.69		0.20	ug/L	5.00	0.11 U	94	85-115			

Matrix Spike Dup (9C25027-MSD1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 15:00

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.73		0.20	ug/L	5.00	0.11 U	95	85-115	0.8	15	

Post Spike (9C25027-PS1) Prepared: 03/25/2009 14:55 Analyzed: 03/26/2009 15:03

Source: C903307-17

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	4.19		0.20	ug/L	5.00	0.03	83	75-125			

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FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
O-01	This compound is a common laboratory contaminant.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr. Orlando, FL 32824 (407) 826-5314 Fax (407) 850-0243
4810 Executive Park Court, Suite 211 Jacksonville, FL 32216-6069 (904) 296-3007 Fax (904) 296-6210
102-A Woodwinds Industrial Ct. Cary, NC 27511 (919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name: ECS Wilmington	Project Number:
Address: 7211 Ogden Business Park Suite 201	Project Name/Desc: Wrightsville Ave REC
City/ST/Zip: Wilmington, NC 28411	PO # / Billing Info:
Tel: 910 686 9114 Fax:	Reporting Contact: Amy Conchas
Sampler(s) Name, Affiliation (Print): Lee Ann Jones, ECS	Billing Contact: Amy Conchas
Sampler(s) Signature: Lee Ann Jones	Facility # (if required):

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. X Standard ___ Expedited Due __/__/__

Lab Workorder: C903684

Requested Analyses / Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (see codes)	Total # of Containers	VOCs / 8260	SVOCs / 8270	PP metals / 6010	Sample Comments
	TW-S-2	3/24/09	1:55p	G	GW	5	X	X	X	
	TW-S-5	↓	2:25p	↓	↓	5	↓	↓	↓	
	TW-S-6	↓	3:00p	↓	↓	5	↓	↓	↓	
	Duplicate	↓	2:30p	↓	↓	5	↓	↓	↓	
	Trip Blank	↓		↓	↓		↓	↓	↓	

← Total # of Containers

Sample Kit Prepared By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
		Lee Ann Jones	3/24/09 16:00		
		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: Susana Hernandez	Date/Time: 3/25/09 10:30

Comments: The Trip Blank was received for 8260 only. No other containers were provided. RF 3-26-09

Cooler # & Temps on Receipt: 2.6°C

Condition Upon Receipt: X Acceptable ___ Unacceptable

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater A-Air O-Other (detail in comments)

Preservation: Hcl H-HCl N-HNO3 S-H2SO4 NO-NaOH O-Other (detail in comments)

Note: All samples submitted to ENCO Labs are in accordance with the terms and conditions listed on the reverse of this form, unless prior written agreements exist

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Environmental Conservation Laboratories, Inc.
102-A Woodwinds Industrial Court
Cary NC, 27511
Phone: 919.467.3090 FAX: 919.467.3515

www.encolabs.com

Wednesday, April 8, 2009

ECS - Wilmington (EA026)

Attn: Amy Conchas

7211 Ogden Business Park Suite 201

Wilmington, NC 28411

RE: Laboratory Results for
Project Number: [none], Project Name/Desc: Wrightsville Avenue REC
ENCO Workorder: C903049

Dear Amy Conchas,

Enclosed is a copy of your laboratory report for test samples received by our laboratory on Wednesday, March 25, 2009.

Unless otherwise noted in an attached project narrative, all samples were received in acceptable condition and processed in accordance with the referenced methods/procedures. Results for these procedures apply only to the samples as submitted.

The analytical results contained in this report are in compliance with NELAC standards, except as noted in the project narrative. This report shall not be reproduced except in full, without the written approval of the Laboratory.

This report contains only those analyses performed by Environmental Conservation Laboratories. Unless otherwise noted, all analyses were performed at ENCO Cary. Data from outside organizations will be reported under separate cover.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Stephanie Franz

Project Manager

Enclosure(s)

The total number of pages in this report, including this page is 70.

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PROJECT NARRATIVE

Date: 08 April 2009
Client: ECS- Wilmington
Project: Wrightsville Avenue REC
Lab ID: C903049

Overview

This report is an amendment to the original report dated 30 March 2009 for this work order. This report was revised, at the client's request, to include TICs for the 8270 analyses.

Environmental Conservation Laboratories, Inc. (ENCO) analyzed all submitted samples in accordance with the methods referenced in the laboratory report. Any particular difficulties encountered during sample handling by ENCO are discussed in the QC Remarks section below.

Quality Control Samples

No Comments

Quality Control Remarks

No Comments

Other Comments

The analytical data presented in this report are consistent with the methods as referenced in the analytical report. Any exceptions or deviations are noted in the QC remarks section of this narrative or in the Flags/Notes and Definitions section of the report.

Released By:
Environmental Conservation Laboratories, Inc.

Stephanie Franz
Project Manager

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SAMPLE SUMMARY/LABORATORY CHRONICLE

Client ID: S-1 **Lab ID: C903049-01** **Sampled: 03/24/09 10:05** **Received: 03/25/09 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009 14:40
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009 12:55
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009 16:20
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009 15:43
EPA 8270C	04/07/09	05/05/09	03/26/09	15:45	3/27/2009 15:43

Client ID: S-2 **Lab ID: C903049-02** **Sampled: 03/24/09 11:10** **Received: 03/25/09 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009 14:54
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009 12:26
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009 16:48
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009 19:47
EPA 8270C	04/07/09	05/05/09	03/26/09	15:45	3/27/2009 19:47

Client ID: S-3 **Lab ID: C903049-03** **Sampled: 03/24/09 11:25** **Received: 03/25/09 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009 14:57
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009 12:29
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009 17:17
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009 13:12
EPA 8270C	04/07/09	05/05/09	03/26/09	15:45	3/27/2009 13:12

Client ID: S-4 **Lab ID: C903049-04** **Sampled: 03/24/09 11:40** **Received: 03/25/09 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009 14:59
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009 12:38
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009 17:45
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009 16:14
EPA 8270C	04/07/09	05/05/09	03/26/09	15:45	3/27/2009 16:14

Client ID: S-5 **Lab ID: C903049-05** **Sampled: 03/24/09 11:45** **Received: 03/25/09 10:30**

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009 15:01
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009 12:41
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009 18:13
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009 13:42

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Client ID: S-6	Lab ID: C903049-06	Sampled: 03/24/09 12:50	Received: 03/25/09 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009	15:03
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009	12:44
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009	18:41
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009	14:12
EPA 8270C	04/07/09	05/05/09	03/26/09	15:45	3/27/2009	14:12

Client ID: S-7	Lab ID: C903049-07	Sampled: 03/24/09 13:30	Received: 03/25/09 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009	15:05
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009	12:46
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009	19:09
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009	14:43
EPA 8270C	04/07/09	05/05/09	03/26/09	15:45	3/27/2009	14:43

Client ID: Duplicate	Lab ID: C903049-08	Sampled: 03/24/09 11:50	Received: 03/25/09 10:30

Parameter	Hold Date/Time(s)		Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 6010B	09/20/09		03/25/09	15:23	3/26/2009	15:07
EPA 7471A	04/21/09		03/25/09	16:38	3/27/2009	12:49
EPA 8260B	04/07/09		03/25/09	10:12	3/25/2009	19:37
EPA 8270C	04/07/09	05/04/09	03/25/09	20:02	3/27/2009	15:13
EPA 8270C	04/07/09	05/05/09	03/26/09	15:45	3/27/2009	15:13

Client ID: Trip Blank	Lab ID: C903049-09	Sampled: 03/24/09 10:05	Received: 03/25/09 10:30

Parameter	Hold Date/Time(s)	Prep Date/Time(s)		Analysis Date/Time(s)	
EPA 8260B	04/07/09	03/26/09	10:03	3/26/2009	14:04

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SAMPLE DETECTION SUMMARY

Client ID: S-1 **Lab ID: C903049-01**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
2-Pentene, 4-methyl-, (E)-	0.36	J			mg/kg dry	EPA 8270C	
3-Penten-2-ol	0.24	JB			mg/kg dry	EPA 8270C	
Acetone	0.0065	J	0.0019	0.0081	mg/kg dry	EPA 8260B	
Arsenic - Total	0.30	J	0.26	0.55	mg/kg dry	EPA 6010B	
Barium - Total	6.90		0.092	0.549	mg/kg dry	EPA 6010B	
Cadmium - Total	0.042	J	0.007	0.055	mg/kg dry	EPA 6010B	
Chromium - Total	2.97		0.04	0.55	mg/kg dry	EPA 6010B	
Ethane, 1,1,2,2-tetrachloro-	0.84	JB			mg/kg dry	EPA 8270C	
Ethane, 1,1,2-trichloro-	0.28	JB			mg/kg dry	EPA 8270C	
Fluoranthene	0.045	J	0.036	0.36	mg/kg dry	EPA 8270C	
Hexadecanamide	0.15	J			mg/kg dry	EPA 8270C	
Lead - Total	7.76	B	0.08	0.55	mg/kg dry	EPA 6010B	QB-01
Pyrene	0.037	J	0.036	0.36	mg/kg dry	EPA 8270C	
Unknown (01)	0.45	J			mg/kg dry	EPA 8270C	
Unknown (02)	0.61	J			mg/kg dry	EPA 8270C	

Client ID: S-2 **Lab ID: C903049-02**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
1-Butene, 3,3-dimethyl-	0.41	J			mg/kg dry	EPA 8270C	
3-Penten-2-ol	0.17	J			mg/kg dry	EPA 8270C	
9-Octadecenamide, (Z)-	0.52	J			mg/kg dry	EPA 8270C	
Acenaphthylene	0.044	J	0.037	0.37	mg/kg dry	EPA 8270C	
Arsenic - Total	3.01		0.27	0.56	mg/kg dry	EPA 6010B	
Barium - Total	61.3		0.095	0.565	mg/kg dry	EPA 6010B	
Benzo(a)anthracene	0.093	J	0.037	0.37	mg/kg dry	EPA 8270C	
Benzo(a)pyrene	0.14	J	0.037	0.37	mg/kg dry	EPA 8270C	
Benzo(b)fluoranthene	0.22	J	0.044	0.37	mg/kg dry	EPA 8270C	
Benzo(g,h,i)perylene	0.11	J	0.038	0.37	mg/kg dry	EPA 8270C	
Benzo(k)fluoranthene	0.076	J	0.046	0.37	mg/kg dry	EPA 8270C	
Cadmium - Total	0.404		0.007	0.056	mg/kg dry	EPA 6010B	
Chromium - Total	6.46		0.04	0.56	mg/kg dry	EPA 6010B	
Chrysene	0.14	J	0.038	0.37	mg/kg dry	EPA 8270C	
D-Friedoolean-14-ene, 3-methox	1.7	J			mg/kg dry	EPA 8270C	
Ethane, 1,1,2,2-tetrachloro-	1.0	J			mg/kg dry	EPA 8270C	
Ethane, 1,1,2-trichloro-	0.32	J			mg/kg dry	EPA 8270C	
Fluoranthene	0.23	J	0.037	0.37	mg/kg dry	EPA 8270C	
Indeno(1,2,3-cd)pyrene	0.10	J	0.038	0.37	mg/kg dry	EPA 8270C	
Lead - Total	53.3	B	0.08	0.56	mg/kg dry	EPA 6010B	QB-01
Mercury - Total	0.05		0.006	0.01	mg/kg dry	EPA 7471A	
Perylene	0.18	J			mg/kg dry	EPA 8270C	
Phenanthrene	0.055	J	0.037	0.37	mg/kg dry	EPA 8270C	
Pyrene	0.20	J	0.037	0.37	mg/kg dry	EPA 8270C	
Selenium - Total	1.19		0.32	0.56	mg/kg dry	EPA 6010B	
Unknown	0.43	J			mg/kg dry	EPA 8270C	

Client ID: S-3 **Lab ID: C903049-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Acetone	0.0049	J	0.0013	0.0052	mg/kg dry	EPA 8260B	
Barium - Total	1.45		0.102	0.607	mg/kg dry	EPA 6010B	

Client ID: S-3 **Lab ID: C903049-03**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Chromium - Total	1.05		0.04	0.61	mg/kg dry	EPA 6010B	
Ethane, 1,1,2,2-tetrachloro-	0.89	J			mg/kg dry	EPA 8270C	
Ethane, 1,1,2-trichloro-	0.30	J			mg/kg dry	EPA 8270C	
Lead - Total	1.61	B	0.08	0.61	mg/kg dry	EPA 6010B	QB-01
Selenium - Total	0.40	J	0.34	0.61	mg/kg dry	EPA 6010B	
Unknown	0.43	J			mg/kg dry	EPA 8270C	

Client ID: S-4 **Lab ID: C903049-04**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
.gamma.-Sitosterol	0.18	J			mg/kg dry	EPA 8270C	
3-Penten-2-ol	0.16	J			mg/kg dry	EPA 8270C	
9-Octadecenamide, (Z)-	0.59	J			mg/kg dry	EPA 8270C	
Acetone	0.023		0.0012	0.0048	mg/kg dry	EPA 8260B	
Arsenic - Total	0.42	J	0.26	0.55	mg/kg dry	EPA 6010B	
Barium - Total	6.09		0.093	0.552	mg/kg dry	EPA 6010B	
Benzo(b)fluoranthene	0.064	J	0.043	0.36	mg/kg dry	EPA 8270C	
Benzo(g,h,i)perylene	0.040	J	0.038	0.36	mg/kg dry	EPA 8270C	
Cadmium - Total	0.112		0.007	0.055	mg/kg dry	EPA 6010B	
Chromium - Total	7.55		0.04	0.55	mg/kg dry	EPA 6010B	
Chrysene	0.040	J	0.038	0.36	mg/kg dry	EPA 8270C	
Ethane, 1,1,2,2-tetrachloro-	0.85	J			mg/kg dry	EPA 8270C	
Ethane, 1,1,2-trichloro-	0.31	J			mg/kg dry	EPA 8270C	
Fluoranthene	0.049	J	0.036	0.36	mg/kg dry	EPA 8270C	
Lead - Total	11.2	B	0.08	0.55	mg/kg dry	EPA 6010B	QB-01
Mercury - Total	0.01		0.006	0.01	mg/kg dry	EPA 7471A	
Nonacosane	0.20	J			mg/kg dry	EPA 8270C	
Pyrene	0.040	J	0.036	0.36	mg/kg dry	EPA 8270C	
Selenium - Total	0.99		0.31	0.55	mg/kg dry	EPA 6010B	
Tetratetracontane	0.35	J			mg/kg dry	EPA 8270C	

Client ID: S-5 **Lab ID: C903049-05**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Barium - Total	3.64		0.099	0.590	mg/kg dry	EPA 6010B	
Chromium - Total	3.07		0.04	0.59	mg/kg dry	EPA 6010B	
Lead - Total	2.55	B	0.08	0.59	mg/kg dry	EPA 6010B	QB-01

Client ID: S-6 **Lab ID: C903049-06**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	0.29	J	0.27	0.56	mg/kg dry	EPA 6010B	
Barium - Total	3.04		0.094	0.557	mg/kg dry	EPA 6010B	
Chromium - Total	3.83		0.04	0.56	mg/kg dry	EPA 6010B	
Cinnamyl cinnamate	0.65	J			mg/kg dry	EPA 8270C	
Ethane, 1,1,2,2-tetrachloro-	0.88	JB			mg/kg dry	EPA 8270C	
Ethane, 1,1,2-trichloro-	0.35	J			mg/kg dry	EPA 8270C	
Lead - Total	2.56	B	0.08	0.56	mg/kg dry	EPA 6010B	QB-01

Client ID: S-7 **Lab ID: C903049-07**

Analyte	Results	Flag	MDL	PQL	Units	Method	Notes
Arsenic - Total	1.84		0.28	0.57	mg/kg dry	EPA 6010B	
Barium - Total	13.1		0.096	0.574	mg/kg dry	EPA 6010B	
Cadmium - Total	0.008	J	0.007	0.057	mg/kg dry	EPA 6010B	

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Client ID: S-7			Lab ID: C903049-07				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
Chromium - Total	11.4		0.04	0.57	mg/kg dry	EPA 6010B	
Cinnamyl cinnamate	0.51	J			mg/kg dry	EPA 8270C	
Ethane, 1,1,2,2-tetrachloro-	0.87	JB			mg/kg dry	EPA 8270C	
Ethane, 1,1,2-trichloro-	0.29	JB			mg/kg dry	EPA 8270C	
Lead - Total	5.08	B	0.08	0.57	mg/kg dry	EPA 6010B	QB-01
Mercury - Total	0.04		0.006	0.01	mg/kg dry	EPA 7471A	
Selenium - Total	2.38		0.32	0.57	mg/kg dry	EPA 6010B	

Client ID: Duplicate			Lab ID: C903049-08				
Analyte	**Results**	**Flag**	**MDL**	**PQL**	**Units**	**Method**	**Notes**
9-Octadecenamide, (Z)-	0.27	J			mg/kg dry	EPA 8270C	
Barium - Total	1.99		0.099	0.588	mg/kg dry	EPA 6010B	
Chromium - Total	1.89		0.04	0.59	mg/kg dry	EPA 6010B	
Ethane, 1,1,2,2-tetrachloro-	1.0	JB			mg/kg dry	EPA 8270C	
Ethane, 1,1,2-trichloro-	0.38	JB			mg/kg dry	EPA 8270C	
Lead - Total	1.67	B	0.08	0.59	mg/kg dry	EPA 6010B	QB-01

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ANALYTICAL RESULTS

Description: S-1
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-01
Sampled: 03/24/09 10:05
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 91.0

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00029	U	mg/kg dry	1	0.00029	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00032	U	mg/kg dry	1	0.00032	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00037	U	mg/kg dry	1	0.00037	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,1-Dichloroethane [75-34-3] ^	0.00040	U	mg/kg dry	1	0.00040	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,1-Dichloroethene [75-35-4] ^	0.00048	U	mg/kg dry	1	0.00048	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,1-Dichloropropene [563-58-6] ^	0.00052	U	mg/kg dry	1	0.00052	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00034	U	mg/kg dry	1	0.00034	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00055	U	mg/kg dry	1	0.00055	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00043	U	mg/kg dry	1	0.00043	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00027	U	mg/kg dry	1	0.00027	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.0013	U	mg/kg dry	1	0.0013	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2-Dibromoethane [106-93-4] ^	0.00074	U	mg/kg dry	1	0.00074	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00043	U	mg/kg dry	1	0.00043	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2-Dichloroethane [107-06-2] ^	0.00061	U	mg/kg dry	1	0.00061	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,2-Dichloropropane [78-87-5] ^	0.00042	U	mg/kg dry	1	0.00042	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00032	U	mg/kg dry	1	0.00032	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00035	U	mg/kg dry	1	0.00035	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,3-Dichloropropane [142-28-9] ^	0.00047	U	mg/kg dry	1	0.00047	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00032	U	mg/kg dry	1	0.00032	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
2,2-Dichloropropane [594-20-7] ^	0.00037	U	mg/kg dry	1	0.00037	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
2-Butanone [78-93-3] ^	0.0013	U	mg/kg dry	1	0.0013	0.0081	9C25006	EPA 8260B	03/25/09 16:20	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00079	U	mg/kg dry	1	0.00079	0.0081	9C25006	EPA 8260B	03/25/09 16:20	REF	
2-Chlorotoluene [95-49-8] ^	0.00029	U	mg/kg dry	1	0.00029	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
2-Hexanone [591-78-6] ^	0.0012	U	mg/kg dry	1	0.0012	0.0081	9C25006	EPA 8260B	03/25/09 16:20	REF	
4-Chlorotoluene [106-43-4] ^	0.00042	U	mg/kg dry	1	0.00042	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
4-Isopropyltoluene [99-87-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00092	U	mg/kg dry	1	0.00092	0.0081	9C25006	EPA 8260B	03/25/09 16:20	REF	
Acetone [67-64-1] ^	**0.0065**	J	mg/kg dry	1	0.0019	0.0081	9C25006	EPA 8260B	03/25/09 16:20	REF	
Benzene [71-43-2] ^	0.00027	U	mg/kg dry	1	0.00027	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Bromobenzene [108-86-1] ^	0.00035	U	mg/kg dry	1	0.00035	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Bromochloromethane [74-97-5] ^	0.00066	U	mg/kg dry	1	0.00066	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Bromodichloromethane [75-27-4] ^	0.00039	U	mg/kg dry	1	0.00039	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Bromoform [75-25-2] ^	0.00072	U	mg/kg dry	1	0.00072	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Bromomethane [74-83-9] ^	0.00037	U	mg/kg dry	1	0.00037	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Carbon disulfide [75-15-0] ^	0.00063	U	mg/kg dry	1	0.00063	0.0081	9C25006	EPA 8260B	03/25/09 16:20	REF	
Carbon Tetrachloride [56-23-5] ^	0.00035	U	mg/kg dry	1	0.00035	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Chlorobenzene [108-90-7] ^	0.00027	U	mg/kg dry	1	0.00027	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Chloroethane [75-00-3] ^	0.00040	U	mg/kg dry	1	0.00040	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Chloroform [67-66-3] ^	0.00027	U	mg/kg dry	1	0.00027	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Chloromethane [74-87-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00037	U	mg/kg dry	1	0.00037	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Dibromochloromethane [124-48-1] ^	0.00056	U	mg/kg dry	1	0.00056	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Dibromomethane [74-95-3] ^	0.00050	U	mg/kg dry	1	0.00050	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00072	U	mg/kg dry	1	0.00072	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Ethylbenzene [100-41-4] ^	0.00032	U	mg/kg dry	1	0.00032	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Hexachlorobutadiene [87-68-3] ^	0.00056	U	mg/kg dry	1	0.00056	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	

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Description:	S-1	**Lab Sample ID:**	C903049-01	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 10:05	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	91.0

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Isopropylbenzene [98-82-8] ^	0.00024	U	mg/kg dry	1	0.00024	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00060	U	mg/kg dry	1	0.00060	0.0032	9C25006	EPA 8260B	03/25/09 16:20	REF	
Methylene Chloride [75-09-2] ^	0.00090	U	mg/kg dry	1	0.00090	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00048	U	mg/kg dry	1	0.00048	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Naphthalene [91-20-3] ^	0.00039	U	mg/kg dry	1	0.00039	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
n-Butyl Benzene [104-51-8] ^	0.00035	U	mg/kg dry	1	0.00035	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
n-Propyl Benzene [103-65-1] ^	0.00029	U	mg/kg dry	1	0.00029	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
o-Xylene [95-47-6] ^	0.00035	U	mg/kg dry	1	0.00035	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
sec-Butylbenzene [135-98-8] ^	0.00035	U	mg/kg dry	1	0.00035	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Styrene [100-42-5] ^	0.00027	U	mg/kg dry	1	0.00027	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
tert-Butylbenzene [98-06-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Tetrachloroethene [127-18-4] ^	0.00045	U	mg/kg dry	1	0.00045	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Toluene [108-88-3] ^	0.00032	U	mg/kg dry	1	0.00032	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00060	U	mg/kg dry	1	0.00060	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00063	U	mg/kg dry	1	0.00063	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Trichloroethene [79-01-6] ^	0.00043	U	mg/kg dry	1	0.00043	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Trichlorofluoromethane [75-69-4] ^	0.00042	U	mg/kg dry	1	0.00042	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Vinyl chloride [75-01-4] ^	0.00039	U	mg/kg dry	1	0.00039	0.0016	9C25006	EPA 8260B	03/25/09 16:20	REF	
Xylenes (Total) [1330-20-7] ^	0.00090	U	mg/kg dry	1	0.00090	0.0032	9C25006	EPA 8260B	03/25/09 16:20	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*41*	*1*	*50.0*	*82 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 16:20*	*REF*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 16:20*	*REF*	
Toluene-d8	*44*	*1*	*50.0*	*87 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 16:20*	*REF*	

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Description: S-1
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-01
Sampled: 03/24/09 10:05
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 91.0

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.041	U	mg/kg dry	1	0.041	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
1-Methylnaphthalene [90-12-0] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.055	U	mg/kg dry	1	0.055	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2-Chloronaphthalene [91-58-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2-Chlorophenol [95-57-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.040	U	mg/kg dry	1	0.040	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2-Methylnaphthalene [91-57-6] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2-Methylphenol [95-48-7] ^	0.038	U	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2-Nitroaniline [88-74-4] ^	0.15	U	mg/kg dry	1	0.15	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
2-Nitrophenol [88-75-5] ^	0.042	U	mg/kg dry	1	0.042	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.036	U	mg/kg dry	1	0.036	0.73	9C25037	EPA 8270C	03/27/09 15:43	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.11	U	mg/kg dry	1	0.11	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
3-Nitroaniline [99-09-2] ^	0.040	U	mg/kg dry	1	0.040	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
4-Chloroaniline [106-47-8] ^	0.10	U	mg/kg dry	1	0.10	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
4-Nitroaniline [100-01-6] ^	0.055	U	mg/kg dry	1	0.055	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
4-Nitrophenol [100-02-7]	0.046	U	mg/kg dry	1	0.046	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Acenaphthene [83-32-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Acenaphthylene [208-96-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Anthracene [120-12-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzidine [92-87-5] ^	0.12	U	mg/kg dry	1	0.12	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzo(a)anthracene [56-55-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzo(a)pyrene [50-32-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.043	U	mg/kg dry	1	0.043	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.045	U	mg/kg dry	1	0.045	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzoic acid [65-85-0] ^	0.073	U	mg/kg dry	1	0.073	1.9	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Benzyl alcohol [100-51-6] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.22	U	mg/kg dry	1	0.22	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Butylbenzylphthalate [85-68-7] ^	0.049	U	mg/kg dry	1	0.049	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Chrysene [218-01-9] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Dibenzofuran [132-64-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Diethylphthalate [84-66-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Dimethylphthalate [131-11-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Di-n-butylphthalate [84-74-2] ^	0.043	U	mg/kg dry	1	0.043	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Di-n-octylphthalate [117-84-0] ^	0.047	U	mg/kg dry	1	0.047	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	

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Description:	S-1	**Lab Sample ID:**	C903049-01	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 10:05	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	91.0

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	**0.045**	J	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Fluorene [86-73-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Hexachlorobenzene [118-74-1] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Hexachlorobutadiene [87-68-3] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.045	U	mg/kg dry	1	0.045	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Hexachloroethane [67-72-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Isophorone [78-59-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Naphthalene [91-20-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Nitrobenzene [98-95-3] ^	0.037	U	mg/kg dry	1	0.037	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Pentachlorophenol [87-86-5]	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Phenanthrene [85-01-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Phenol [108-95-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Pyrene [129-00-0] ^	**0.037**	J	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	
Pyridine [110-86-1] ^	0.090	U	mg/kg dry	1	0.090	0.36	9C25037	EPA 8270C	03/27/09 15:43	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.2*	*1*	*3.66*	*88 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 15:43*	*DFM*	
2-Fluorobiphenyl	*1.6*	*1*	*1.83*	*85 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 15:43*	*DFM*	
2-Fluorophenol	*2.6*	*1*	*3.66*	*72 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 15:43*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.83*	*84 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 15:43*	*DFM*	
Phenol-d5	*2.8*	*1*	*3.66*	*76 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 15:43*	*DFM*	
Terphenyl-d14	*1.5*	*1*	*1.83*	*80 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 15:43*	*DFM*	

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Description:	S-1	**Lab Sample ID:**	C903049-01	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 10:05	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	91.0

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
2-Pentene, 4-methyl-, (E)- [000674-76-0]	0.36	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:43	DFM	
3-Penten-2-ol [001569-50-2]	0.24	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:43	DFM	
Ethane, 1,1,2,2-tetrachloro- [000079-34-5]	0.84	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:43	DFM	
Ethane, 1,1,2-trichloro- [000079-00-5]	0.28	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:43	DFM	
Hexadecanamide [000629-54-9]	0.15	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:43	DFM	
Unknown (01) [NA]	0.45	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:43	DFM	
Unknown (02) [NA]	0.61	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:43	DFM	

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Description:	S-1	**Lab Sample ID:**	C903049-01	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 10:05	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	91.0

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**0.30**	J	mg/kg dry	1	0.26	0.55	9C25030	EPA 6010B	03/26/09 14:40	JDH	
Barium [7440-39-3] ^	**6.90**		mg/kg dry	1	0.092	0.549	9C25030	EPA 6010B	03/26/09 14:40	JDH	
Cadmium [7440-43-9] ^	**0.042**	J	mg/kg dry	1	0.007	0.055	9C25030	EPA 6010B	03/26/09 14:40	JDH	
Chromium [7440-47-3] ^	**2.97**		mg/kg dry	1	0.04	0.55	9C25030	EPA 6010B	03/26/09 14:40	JDH	
Lead [7439-92-1] ^	**7.76**	B	mg/kg dry	1	0.08	0.55	9C25030	EPA 6010B	03/26/09 14:40	JDH	QB-01
Mercury [7439-97-6] ^	0.005	U	mg/kg dry	1	0.005	0.01	9C25036	EPA 7471A	03/27/09 12:55	NLH	
Selenium [7782-49-2] ^	0.31	U	mg/kg dry	1	0.31	0.55	9C25030	EPA 6010B	03/26/09 14:40	JDH	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.55	9C25030	EPA 6010B	03/26/09 14:40	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: S-2
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-02
Sampled: 03/24/09 11:10
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 88.5

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,1-Dichloroethane [75-34-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,1-Dichloroethene [75-35-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,1-Dichloropropene [563-58-6] ^	0.00032	U	mg/kg dry	1	0.00032	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00034	U	mg/kg dry	1	0.00034	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00078	U	mg/kg dry	1	0.00078	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2-Dibromoethane [106-93-4] ^	0.00045	U	mg/kg dry	1	0.00045	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2-Dichloroethane [107-06-2] ^	0.00037	U	mg/kg dry	1	0.00037	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,2-Dichloropropane [78-87-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,3-Dichloropropane [142-28-9] ^	0.00029	U	mg/kg dry	1	0.00029	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
2,2-Dichloropropane [594-20-7] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
2-Butanone [78-93-3] ^	0.00077	U	mg/kg dry	1	0.00077	0.0049	9C25006	EPA 8260B	03/25/09 16:48	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00048	U	mg/kg dry	1	0.00048	0.0049	9C25006	EPA 8260B	03/25/09 16:48	REF	
2-Chlorotoluene [95-49-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
2-Hexanone [591-78-6] ^	0.00074	U	mg/kg dry	1	0.00074	0.0049	9C25006	EPA 8260B	03/25/09 16:48	REF	
4-Chlorotoluene [106-43-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
4-Isopropyltoluene [99-87-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00056	U	mg/kg dry	1	0.00056	0.0049	9C25006	EPA 8260B	03/25/09 16:48	REF	
Acetone [67-64-1] ^	0.0012	U	mg/kg dry	1	0.0012	0.0049	9C25006	EPA 8260B	03/25/09 16:48	REF	
Benzene [71-43-2] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Bromobenzene [108-86-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Bromochloromethane [74-97-5] ^	0.00040	U	mg/kg dry	1	0.00040	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Bromodichloromethane [75-27-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Bromoform [75-25-2] ^	0.00044	U	mg/kg dry	1	0.00044	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Bromomethane [74-83-9] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Carbon disulfide [75-15-0] ^	0.00038	U	mg/kg dry	1	0.00038	0.0049	9C25006	EPA 8260B	03/25/09 16:48	REF	
Carbon Tetrachloride [56-23-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Chlorobenzene [108-90-7] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Chloroethane [75-00-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Chloroform [67-66-3] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Chloromethane [74-87-3] ^	0.00015	U	mg/kg dry	1	0.00015	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00013	U	mg/kg dry	1	0.00013	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Dibromochloromethane [124-48-1] ^	0.00035	U	mg/kg dry	1	0.00035	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Dibromomethane [74-95-3] ^	0.00031	U	mg/kg dry	1	0.00031	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00044	U	mg/kg dry	1	0.00044	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Ethylbenzene [100-41-4] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Hexachlorobutadiene [87-68-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Isopropylbenzene [98-82-8] ^	0.00015	U	mg/kg dry	1	0.00015	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00036	U	mg/kg dry	1	0.00036	0.0020	9C25006	EPA 8260B	03/25/09 16:48	REF	
Methylene Chloride [75-09-2] ^	0.00055	U	mg/kg dry	1	0.00055	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	

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Description:	S-2	**Lab Sample ID:**	C903049-02	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:10	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	88.5

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Naphthalene [91-20-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
n-Butyl Benzene [104-51-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
n-Propyl Benzene [103-65-1] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
o-Xylene [95-47-6] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
sec-Butylbenzene [135-98-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Styrene [100-42-5] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
tert-Butylbenzene [98-06-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Tetrachloroethene [127-18-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Toluene [108-88-3] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00036	U	mg/kg dry	1	0.00036	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00038	U	mg/kg dry	1	0.00038	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Trichloroethene [79-01-6] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Trichlorofluoromethane [75-69-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Vinyl chloride [75-01-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	9C25006	EPA 8260B	03/25/09 16:48	REF	
Xylenes (Total) [1330-20-7] ^	0.00055	U	mg/kg dry	1	0.00055	0.0020	9C25006	EPA 8260B	03/25/09 16:48	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*34*	*1*	*50.0*	*68 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 16:48*	*REF*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 16:48*	*REF*	
Toluene-d8	*43*	*1*	*50.0*	*87 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 16:48*	*REF*	

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Description: S-2
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-02
Sampled: 03/24/09 11:10
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 88.5

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.042	U	mg/kg dry	1	0.042	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
1-Methylnaphthalene [90-12-0] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.056	U	mg/kg dry	1	0.056	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2-Chloronaphthalene [91-58-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2-Chlorophenol [95-57-8] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.041	U	mg/kg dry	1	0.041	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2-Methylnaphthalene [91-57-6] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2-Methylphenol [95-48-7] ^	0.040	U	mg/kg dry	1	0.040	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2-Nitroaniline [88-74-4] ^	0.16	U	mg/kg dry	1	0.16	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
2-Nitrophenol [88-75-5] ^	0.043	U	mg/kg dry	1	0.043	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.037	U	mg/kg dry	1	0.037	0.75	9C25037	EPA 8270C	03/27/09 19:47	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.11	U	mg/kg dry	1	0.11	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
3-Nitroaniline [99-09-2] ^	0.041	U	mg/kg dry	1	0.041	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
4-Nitroaniline [100-01-6] ^	0.056	U	mg/kg dry	1	0.056	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
4-Nitrophenol [100-02-7]	0.047	U	mg/kg dry	1	0.047	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Acenaphthene [83-32-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Acenaphthylene [208-96-8] ^	**0.044**	J	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Anthracene [120-12-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzidine [92-87-5] ^	0.12	U	mg/kg dry	1	0.12	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzo(a)anthracene [56-55-3] ^	**0.093**	J	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzo(a)pyrene [50-32-8] ^	**0.14**	J	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzo(b)fluoranthene [205-99-2] ^	**0.22**	J	mg/kg dry	1	0.044	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	**0.11**	J	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzo(k)fluoranthene [207-08-9] ^	**0.076**	J	mg/kg dry	1	0.046	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzoic acid [65-85-0] ^	0.075	U	mg/kg dry	1	0.075	1.9	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Benzyl alcohol [100-51-6] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.23	U	mg/kg dry	1	0.23	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Butylbenzylphthalate [85-68-7] ^	0.051	U	mg/kg dry	1	0.051	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Chrysene [218-01-9] ^	**0.14**	J	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Dibenzofuran [132-64-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Diethylphthalate [84-66-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Dimethylphthalate [131-11-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Di-n-butylphthalate [84-74-2] ^	0.044	U	mg/kg dry	1	0.044	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Di-n-octylphthalate [117-84-0] ^	0.049	U	mg/kg dry	1	0.049	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	

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Description:	S-2	**Lab Sample ID:**	C903049-02	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:10	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	88.5

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	**0.23**	J	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Fluorene [86-73-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Hexachlorobenzene [118-74-1] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Hexachlorobutadiene [87-68-3] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.046	U	mg/kg dry	1	0.046	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Hexachloroethane [67-72-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	**0.10**	J	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Isophorone [78-59-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Naphthalene [91-20-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Nitrobenzene [98-95-3] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Pentachlorophenol [87-86-5]	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Phenanthrene [85-01-8] ^	**0.055**	J	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Phenol [108-95-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Pyrene [129-00-0] ^	**0.20**	J	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	
Pyridine [110-86-1] ^	0.093	U	mg/kg dry	1	0.093	0.37	9C25037	EPA 8270C	03/27/09 19:47	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*4.1*	*1*	*3.77*	*110 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 19:47*	*DFM*	
2-Fluorobiphenyl	*1.6*	*1*	*1.88*	*86 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 19:47*	*DFM*	
2-Fluorophenol	*2.8*	*1*	*3.77*	*74 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 19:47*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*1.88*	*83 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 19:47*	*DFM*	
Phenol-d5	*2.9*	*1*	*3.77*	*77 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 19:47*	*DFM*	
Terphenyl-d14	*1.8*	*1*	*1.88*	*93 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 19:47*	*DFM*	

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Description:	S-2	**Lab Sample ID:**	C903049-02	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:10	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	88.5

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1-Butene, 3,3-dimethyl- [000558-37-2]	0.41	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	
3-Penten-2-ol [001569-50-2]	0.17	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	
9-Octadecenamide, (Z)- [000301-02-0]	0.52	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	
D-Friedoolean-14-ene, 3-methox [014021-23-9]	1.7	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	
Ethane, 1,1,2,2-tetrachloro- [000079-34-5]	1.0	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	
Ethane, 1,1,2-trichloro- [000079-00-5]	0.32	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	
Perylene [000198-55-0]	0.18	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	
Unknown [NA]	0.43	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 19:47	DFM	

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Description:	S-2	**Lab Sample ID:**	C903049-02	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:10	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	88.5

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**3.01**		mg/kg dry	1	0.27	0.56	9C25030	EPA 6010B	03/26/09 14:54	JDH	
Barium [7440-39-3] ^	**61.3**		mg/kg dry	1	0.095	0.565	9C25030	EPA 6010B	03/26/09 14:54	JDH	
Cadmium [7440-43-9] ^	**0.404**		mg/kg dry	1	0.007	0.056	9C25030	EPA 6010B	03/26/09 14:54	JDH	
Chromium [7440-47-3] ^	**6.46**		mg/kg dry	1	0.04	0.56	9C25030	EPA 6010B	03/26/09 14:54	JDH	
Lead [7439-92-1] ^	**53.3**	B	mg/kg dry	1	0.08	0.56	9C25030	EPA 6010B	03/26/09 14:54	JDH	QB-01
Mercury [7439-97-6] ^	**0.05**		mg/kg dry	1	0.006	0.01	9C25036	EPA 7471A	03/27/09 12:26	NLH	
Selenium [7782-49-2] ^	**1.19**		mg/kg dry	1	0.32	0.56	9C25030	EPA 6010B	03/26/09 14:54	JDH	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.56	9C25030	EPA 6010B	03/26/09 14:54	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: S-3
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-03
Sampled: 03/24/09 11:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 82.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00019	U	mg/kg dry	1	0.00019	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,1-Dichloroethane [75-34-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,1-Dichloroethene [75-35-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,1-Dichloropropene [563-58-6] ^	0.00034	U	mg/kg dry	1	0.00034	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00022	U	mg/kg dry	1	0.00022	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00036	U	mg/kg dry	1	0.00036	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00083	U	mg/kg dry	1	0.00083	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2-Dibromoethane [106-93-4] ^	0.00048	U	mg/kg dry	1	0.00048	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2-Dichloroethane [107-06-2] ^	0.00040	U	mg/kg dry	1	0.00040	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,2-Dichloropropane [78-87-5] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,3-Dichloropropane [142-28-9] ^	0.00030	U	mg/kg dry	1	0.00030	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
2,2-Dichloropropane [594-20-7] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
2-Butanone [78-93-3] ^	0.00082	U	mg/kg dry	1	0.00082	0.0052	9C25006	EPA 8260B	03/25/09 17:17	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00051	U	mg/kg dry	1	0.00051	0.0052	9C25006	EPA 8260B	03/25/09 17:17	REF	
2-Chlorotoluene [95-49-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
2-Hexanone [591-78-6] ^	0.00079	U	mg/kg dry	1	0.00079	0.0052	9C25006	EPA 8260B	03/25/09 17:17	REF	
4-Chlorotoluene [106-43-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
4-Isopropyltoluene [99-87-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00060	U	mg/kg dry	1	0.00060	0.0052	9C25006	EPA 8260B	03/25/09 17:17	REF	
Acetone [67-64-1] ^	**0.0049**	J	mg/kg dry	1	0.0013	0.0052	9C25006	EPA 8260B	03/25/09 17:17	REF	
Benzene [71-43-2] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Bromobenzene [108-86-1] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Bromochloromethane [74-97-5] ^	0.00043	U	mg/kg dry	1	0.00043	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Bromodichloromethane [75-27-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Bromoform [75-25-2] ^	0.00047	U	mg/kg dry	1	0.00047	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Bromomethane [74-83-9] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Carbon disulfide [75-15-0] ^	0.00041	U	mg/kg dry	1	0.00041	0.0052	9C25006	EPA 8260B	03/25/09 17:17	REF	
Carbon Tetrachloride [56-23-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Chlorobenzene [108-90-7] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Chloroethane [75-00-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Chloroform [67-66-3] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Chloromethane [74-87-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00014	U	mg/kg dry	1	0.00014	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Dibromochloromethane [124-48-1] ^	0.00037	U	mg/kg dry	1	0.00037	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Dibromomethane [74-95-3] ^	0.00032	U	mg/kg dry	1	0.00032	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00047	U	mg/kg dry	1	0.00047	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Ethylbenzene [100-41-4] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Hexachlorobutadiene [87-68-3] ^	0.00037	U	mg/kg dry	1	0.00037	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Isopropylbenzene [98-82-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00039	U	mg/kg dry	1	0.00039	0.0021	9C25006	EPA 8260B	03/25/09 17:17	REF	
Methylene Chloride [75-09-2] ^	0.00059	U	mg/kg dry	1	0.00059	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	

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Description:	S-3	**Lab Sample ID:**	C903049-03	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:25	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	82.3

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Naphthalene [91-20-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
n-Butyl Benzene [104-51-8] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
n-Propyl Benzene [103-65-1] ^	0.00019	U	mg/kg dry	1	0.00019	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
o-Xylene [95-47-6] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
sec-Butylbenzene [135-98-8] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Styrene [100-42-5] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
tert-Butylbenzene [98-06-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Tetrachloroethene [127-18-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Toluene [108-88-3] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00039	U	mg/kg dry	1	0.00039	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00041	U	mg/kg dry	1	0.00041	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Trichloroethene [79-01-6] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Trichlorofluoromethane [75-69-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Vinyl chloride [75-01-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	9C25006	EPA 8260B	03/25/09 17:17	REF	
Xylenes (Total) [1330-20-7] ^	0.00059	U	mg/kg dry	1	0.00059	0.0021	9C25006	EPA 8260B	03/25/09 17:17	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*46*	*1*	*50.0*	*92 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 17:17*	*REF*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 17:17*	*REF*	
Toluene-d8	*47*	*1*	*50.0*	*94 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 17:17*	*REF*	

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Description: S-3
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-03
Sampled: 03/24/09 11:25
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 82.3

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.045	U	mg/kg dry	1	0.045	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
1-Methylnaphthalene [90-12-0] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.061	U	mg/kg dry	1	0.061	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2-Chloronaphthalene [91-58-7] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2-Chlorophenol [95-57-8] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.044	U	mg/kg dry	1	0.044	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2-Methylnaphthalene [91-57-6] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2-Methylphenol [95-48-7] ^	0.043	U	mg/kg dry	1	0.043	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2-Nitroaniline [88-74-4] ^	0.17	U	mg/kg dry	1	0.17	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
2-Nitrophenol [88-75-5] ^	0.046	U	mg/kg dry	1	0.046	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.040	U	mg/kg dry	1	0.040	0.80	9C25037	EPA 8270C	03/27/09 13:12	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
3-Nitroaniline [99-09-2] ^	0.044	U	mg/kg dry	1	0.044	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
4-Nitroaniline [100-01-6] ^	0.061	U	mg/kg dry	1	0.061	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
4-Nitrophenol [100-02-7]	0.051	U	mg/kg dry	1	0.051	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Acenaphthene [83-32-9] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Acenaphthylene [208-96-8] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Anthracene [120-12-7] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzo(a)anthracene [56-55-3] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzo(a)pyrene [50-32-8] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.047	U	mg/kg dry	1	0.047	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.050	U	mg/kg dry	1	0.050	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzoic acid [65-85-0] ^	0.080	U	mg/kg dry	1	0.080	2.1	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Benzyl alcohol [100-51-6] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.24	U	mg/kg dry	1	0.24	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Butylbenzylphthalate [85-68-7] ^	0.055	U	mg/kg dry	1	0.055	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Chrysene [218-01-9] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Dibenzofuran [132-64-9] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Diethylphthalate [84-66-2] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Dimethylphthalate [131-11-3] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Di-n-butylphthalate [84-74-2] ^	0.047	U	mg/kg dry	1	0.047	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Di-n-octylphthalate [117-84-0] ^	0.052	U	mg/kg dry	1	0.052	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	

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Description:	S-3	**Lab Sample ID:**	C903049-03	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:25	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	82.3

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Fluorene [86-73-7] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Hexachlorobenzene [118-74-1] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Hexachlorobutadiene [87-68-3] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.050	U	mg/kg dry	1	0.050	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Hexachloroethane [67-72-1] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Isophorone [78-59-1] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Naphthalene [91-20-3] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Nitrobenzene [98-95-3] ^	0.041	U	mg/kg dry	1	0.041	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Pentachlorophenol [87-86-5]	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Phenanthrene [85-01-8] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Phenol [108-95-2] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Pyrene [129-00-0] ^	0.040	U	mg/kg dry	1	0.040	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	
Pyridine [110-86-1] ^	0.10	U	mg/kg dry	1	0.10	0.40	9C25037	EPA 8270C	03/27/09 13:12	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.0*	*1*	*4.05*	*74 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 13:12*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*2.02*	*86 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 13:12*	*DFM*	
2-Fluorophenol	*3.0*	*1*	*4.05*	*73 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 13:12*	*DFM*	
Nitrobenzene-d5	*1.7*	*1*	*2.02*	*84 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 13:12*	*DFM*	
Phenol-d5	*3.1*	*1*	*4.05*	*77 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 13:12*	*DFM*	
Terphenyl-d14	*1.6*	*1*	*2.02*	*77 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 13:12*	*DFM*	

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Description:	S-3	**Lab Sample ID:**	C903049-03	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:25	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	82.3

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Ethane, 1,1,2,2-tetrachloro- [000079-34-5]	0.89	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 13:12	DFM	
Ethane, 1,1,2-trichloro- [000079-00-5]	0.30	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 13:12	DFM	
Unknown [NA]	0.43	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 13:12	DFM	

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Description:	S-3	**Lab Sample ID:**	C903049-03	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:25	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	82.3

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	0.29	U	mg/kg dry	1	0.29	0.61	9C25030	EPA 6010B	03/26/09 14:57	JDH	
Barium [7440-39-3] ^	**1.45**		mg/kg dry	1	0.102	0.607	9C25030	EPA 6010B	03/26/09 14:57	JDH	
Cadmium [7440-43-9] ^	0.008	U	mg/kg dry	1	0.008	0.061	9C25030	EPA 6010B	03/26/09 14:57	JDH	
Chromium [7440-47-3] ^	**1.05**		mg/kg dry	1	0.04	0.61	9C25030	EPA 6010B	03/26/09 14:57	JDH	
Lead [7439-92-1] ^	**1.61**	B	mg/kg dry	1	0.08	0.61	9C25030	EPA 6010B	03/26/09 14:57	JDH	QB-01
Mercury [7439-97-6] ^	0.006	U	mg/kg dry	1	0.006	0.01	9C25036	EPA 7471A	03/27/09 12:29	NLH	
Selenium [7782-49-2] ^	**0.40**	J	mg/kg dry	1	0.34	0.61	9C25030	EPA 6010B	03/26/09 14:57	JDH	
Silver [7440-22-4] ^	0.07	U	mg/kg dry	1	0.07	0.61	9C25030	EPA 6010B	03/26/09 14:57	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: S-4
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-04
Sampled: 03/24/09 11:40
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 90.6

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,1-Dichloroethane [75-34-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,1-Dichloroethene [75-35-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,1-Dichloropropene [563-58-6] ^	0.00031	U	mg/kg dry	1	0.00031	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00076	U	mg/kg dry	1	0.00076	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2-Dibromoethane [106-93-4] ^	0.00044	U	mg/kg dry	1	0.00044	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2-Dichloroethane [107-06-2] ^	0.00037	U	mg/kg dry	1	0.00037	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,2-Dichloropropane [78-87-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,3-Dichloropropane [142-28-9] ^	0.00028	U	mg/kg dry	1	0.00028	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
2,2-Dichloropropane [594-20-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
2-Butanone [78-93-3] ^	0.00075	U	mg/kg dry	1	0.00075	0.0048	9C25006	EPA 8260B	03/25/09 17:45	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00047	U	mg/kg dry	1	0.00047	0.0048	9C25006	EPA 8260B	03/25/09 17:45	REF	
2-Chlorotoluene [95-49-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
2-Hexanone [591-78-6] ^	0.00072	U	mg/kg dry	1	0.00072	0.0048	9C25006	EPA 8260B	03/25/09 17:45	REF	
4-Chlorotoluene [106-43-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
4-Isopropyltoluene [99-87-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00055	U	mg/kg dry	1	0.00055	0.0048	9C25006	EPA 8260B	03/25/09 17:45	REF	
Acetone [67-64-1] ^	**0.023**		mg/kg dry	1	0.0012	0.0048	9C25006	EPA 8260B	03/25/09 17:45	REF	
Benzene [71-43-2] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Bromobenzene [108-86-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Bromochloromethane [74-97-5] ^	0.00039	U	mg/kg dry	1	0.00039	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Bromodichloromethane [75-27-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Bromoform [75-25-2] ^	0.00043	U	mg/kg dry	1	0.00043	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Bromomethane [74-83-9] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Carbon disulfide [75-15-0] ^	0.00037	U	mg/kg dry	1	0.00037	0.0048	9C25006	EPA 8260B	03/25/09 17:45	REF	
Carbon Tetrachloride [56-23-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Chlorobenzene [108-90-7] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Chloroethane [75-00-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Chloroform [67-66-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Chloromethane [74-87-3] ^	0.00014	U	mg/kg dry	1	0.00014	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00022	U	mg/kg dry	1	0.00022	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00012	U	mg/kg dry	1	0.00012	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Dibromochloromethane [124-48-1] ^	0.00034	U	mg/kg dry	1	0.00034	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Dibromomethane [74-95-3] ^	0.00030	U	mg/kg dry	1	0.00030	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00043	U	mg/kg dry	1	0.00043	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Ethylbenzene [100-41-4] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Hexachlorobutadiene [87-68-3] ^	0.00034	U	mg/kg dry	1	0.00034	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Isopropylbenzene [98-82-8] ^	0.00014	U	mg/kg dry	1	0.00014	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00036	U	mg/kg dry	1	0.00036	0.0019	9C25006	EPA 8260B	03/25/09 17:45	REF	
Methylene Chloride [75-09-2] ^	0.00054	U	mg/kg dry	1	0.00054	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	

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Description:	S-4	**Lab Sample ID:**	C903049-04	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:40	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	90.6

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Naphthalene [91-20-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
n-Butyl Benzene [104-51-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
n-Propyl Benzene [103-65-1] ^	0.00017	U	mg/kg dry	1	0.00017	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
o-Xylene [95-47-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
sec-Butylbenzene [135-98-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Styrene [100-42-5] ^	0.00016	U	mg/kg dry	1	0.00016	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
tert-Butylbenzene [98-06-6] ^	0.00015	U	mg/kg dry	1	0.00015	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Tetrachloroethene [127-18-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Toluene [108-88-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00036	U	mg/kg dry	1	0.00036	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00037	U	mg/kg dry	1	0.00037	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Trichloroethene [79-01-6] ^	0.00026	U	mg/kg dry	1	0.00026	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Trichlorofluoromethane [75-69-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Vinyl chloride [75-01-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.00096	9C25006	EPA 8260B	03/25/09 17:45	REF	
Xylenes (Total) [1330-20-7] ^	0.00054	U	mg/kg dry	1	0.00054	0.0019	9C25006	EPA 8260B	03/25/09 17:45	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*42*	*1*	*50.0*	*85 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 17:45*	*REF*	
Dibromofluoromethane	*44*	*1*	*50.0*	*87 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 17:45*	*REF*	
Toluene-d8	*45*	*1*	*50.0*	*89 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 17:45*	*REF*	

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Description: S-4
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-04
Sampled: 03/24/09 11:40
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 90.6

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.041	U	mg/kg dry	1	0.041	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.038	U	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
1-Methylnaphthalene [90-12-0] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.055	U	mg/kg dry	1	0.055	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2-Chloronaphthalene [91-58-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2-Chlorophenol [95-57-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.040	U	mg/kg dry	1	0.040	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2-Methylnaphthalene [91-57-6] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2-Methylphenol [95-48-7] ^	0.039	U	mg/kg dry	1	0.039	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2-Nitroaniline [88-74-4] ^	0.15	U	mg/kg dry	1	0.15	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
2-Nitrophenol [88-75-5] ^	0.042	U	mg/kg dry	1	0.042	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.036	U	mg/kg dry	1	0.036	0.73	9C25037	EPA 8270C	03/27/09 16:14	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.11	U	mg/kg dry	1	0.11	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
3-Nitroaniline [99-09-2] ^	0.040	U	mg/kg dry	1	0.040	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
4-Chloroaniline [106-47-8] ^	0.10	U	mg/kg dry	1	0.10	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
4-Nitroaniline [100-01-6] ^	0.055	U	mg/kg dry	1	0.055	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
4-Nitrophenol [100-02-7]	0.046	U	mg/kg dry	1	0.046	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Acenaphthene [83-32-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Acenaphthylene [208-96-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Anthracene [120-12-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzidine [92-87-5] ^	0.12	U	mg/kg dry	1	0.12	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzo(a)anthracene [56-55-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzo(a)pyrene [50-32-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzo(b)fluoranthene [205-99-2] ^	**0.064**	J	mg/kg dry	1	0.043	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	**0.040**	J	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.045	U	mg/kg dry	1	0.045	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzoic acid [65-85-0] ^	0.073	U	mg/kg dry	1	0.073	1.9	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Benzyl alcohol [100-51-6] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.038	U	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.22	U	mg/kg dry	1	0.22	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Butylbenzylphthalate [85-68-7] ^	0.050	U	mg/kg dry	1	0.050	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Chrysene [218-01-9] ^	**0.040**	J	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Dibenzofuran [132-64-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Diethylphthalate [84-66-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Dimethylphthalate [131-11-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Di-n-butylphthalate [84-74-2] ^	0.043	U	mg/kg dry	1	0.043	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Di-n-octylphthalate [117-84-0] ^	0.047	U	mg/kg dry	1	0.047	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	

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Description:	S-4	**Lab Sample ID:**	C903049-04	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:40	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	90.6

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	**0.049**	J	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Fluorene [86-73-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Hexachlorobenzene [118-74-1] ^	0.038	U	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Hexachlorobutadiene [87-68-3] ^	0.038	U	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.045	U	mg/kg dry	1	0.045	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Hexachloroethane [67-72-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.038	U	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Isophorone [78-59-1] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Naphthalene [91-20-3] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Nitrobenzene [98-95-3] ^	0.038	U	mg/kg dry	1	0.038	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Pentachlorophenol [87-86-5]	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Phenanthrene [85-01-8] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Phenol [108-95-2] ^	0.036	U	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Pyrene [129-00-0] ^	**0.040**	J	mg/kg dry	1	0.036	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	
Pyridine [110-86-1] ^	0.091	U	mg/kg dry	1	0.091	0.36	9C25037	EPA 8270C	03/27/09 16:14	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.2*	*1*	*3.68*	*88 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 16:14*	*DFM*	
2-Fluorobiphenyl	*1.6*	*1*	*1.84*	*86 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 16:14*	*DFM*	
2-Fluorophenol	*2.6*	*1*	*3.68*	*72 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 16:14*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.84*	*83 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 16:14*	*DFM*	
Phenol-d5	*2.8*	*1*	*3.68*	*77 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 16:14*	*DFM*	
Terphenyl-d14	*1.4*	*1*	*1.84*	*78 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 16:14*	*DFM*	

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Description:	S-4	**Lab Sample ID:**	C903049-04	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:40	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	90.6

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
.gamma.-Sitosterol [000083-47-6]	0.18	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 16:14	DFM	
3-Penten-2-ol [001569-50-2]	0.16	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 16:14	DFM	
9-Octadecenamide, (Z)- [000301-02-0]	0.59	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 16:14	DFM	
Ethane, 1,1,2,2-tetrachloro- [000079-34-5]	0.85	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 16:14	DFM	
Ethane, 1,1,2-trichloro- [000079-00-5]	0.31	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 16:14	DFM	
Nonacosane [000630-03-5]	0.20	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 16:14	DFM	
Tetratetracontane [007098-22-8]	0.35	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 16:14	DFM	

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Description:	S-4	**Lab Sample ID:**	C903049-04	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:40	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	90.6

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**0.42**	J	mg/kg dry	1	0.26	0.55	9C25030	EPA 6010B	03/26/09 14:59	JDH	
Barium [7440-39-3] ^	**6.09**		mg/kg dry	1	0.093	0.552	9C25030	EPA 6010B	03/26/09 14:59	JDH	
Cadmium [7440-43-9] ^	**0.112**		mg/kg dry	1	0.007	0.055	9C25030	EPA 6010B	03/26/09 14:59	JDH	
Chromium [7440-47-3] ^	**7.55**		mg/kg dry	1	0.04	0.55	9C25030	EPA 6010B	03/26/09 14:59	JDH	
Lead [7439-92-1] ^	**11.2**	B	mg/kg dry	1	0.08	0.55	9C25030	EPA 6010B	03/26/09 14:59	JDH	QB-01
Mercury [7439-97-6] ^	**0.01**		mg/kg dry	1	0.006	0.01	9C25036	EPA 7471A	03/27/09 12:38	NLH	
Selenium [7782-49-2] ^	**0.99**		mg/kg dry	1	0.31	0.55	9C25030	EPA 6010B	03/26/09 14:59	JDH	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.55	9C25030	EPA 6010B	03/26/09 14:59	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: S-5
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-05
Sampled: 03/24/09 11:45
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 84.7

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00019	U	mg/kg dry	1	0.00019	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,1-Dichloroethane [75-34-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,1-Dichloroethene [75-35-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,1-Dichloropropene [563-58-6] ^	0.00033	U	mg/kg dry	1	0.00033	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00022	U	mg/kg dry	1	0.00022	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00035	U	mg/kg dry	1	0.00035	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00082	U	mg/kg dry	1	0.00082	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2-Dibromoethane [106-93-4] ^	0.00048	U	mg/kg dry	1	0.00048	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2-Dichloroethane [107-06-2] ^	0.00039	U	mg/kg dry	1	0.00039	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,2-Dichloropropane [78-87-5] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,3-Dichloropropane [142-28-9] ^	0.00030	U	mg/kg dry	1	0.00030	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
2,2-Dichloropropane [594-20-7] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
2-Butanone [78-93-3] ^	0.00081	U	mg/kg dry	1	0.00081	0.0052	9C25006	EPA 8260B	03/25/09 18:13	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00051	U	mg/kg dry	1	0.00051	0.0052	9C25006	EPA 8260B	03/25/09 18:13	REF	
2-Chlorotoluene [95-49-8] ^	0.00019	U	mg/kg dry	1	0.00019	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
2-Hexanone [591-78-6] ^	0.00078	U	mg/kg dry	1	0.00078	0.0052	9C25006	EPA 8260B	03/25/09 18:13	REF	
4-Chlorotoluene [106-43-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
4-Isopropyltoluene [99-87-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00059	U	mg/kg dry	1	0.00059	0.0052	9C25006	EPA 8260B	03/25/09 18:13	REF	
Acetone [67-64-1] ^	0.0012	U	mg/kg dry	1	0.0012	0.0052	9C25006	EPA 8260B	03/25/09 18:13	REF	
Benzene [71-43-2] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Bromobenzene [108-86-1] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Bromochloromethane [74-97-5] ^	0.00042	U	mg/kg dry	1	0.00042	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Bromodichloromethane [75-27-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Bromoform [75-25-2] ^	0.00047	U	mg/kg dry	1	0.00047	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Bromomethane [74-83-9] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Carbon disulfide [75-15-0] ^	0.00040	U	mg/kg dry	1	0.00040	0.0052	9C25006	EPA 8260B	03/25/09 18:13	REF	
Carbon Tetrachloride [56-23-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Chlorobenzene [108-90-7] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Chloroethane [75-00-3] ^	0.00026	U	mg/kg dry	1	0.00026	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Chloroform [67-66-3] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Chloromethane [74-87-3] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00024	U	mg/kg dry	1	0.00024	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00013	U	mg/kg dry	1	0.00013	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Dibromochloromethane [124-48-1] ^	0.00036	U	mg/kg dry	1	0.00036	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Dibromomethane [74-95-3] ^	0.00032	U	mg/kg dry	1	0.00032	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00047	U	mg/kg dry	1	0.00047	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Ethylbenzene [100-41-4] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Hexachlorobutadiene [87-68-3] ^	0.00036	U	mg/kg dry	1	0.00036	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Isopropylbenzene [98-82-8] ^	0.00016	U	mg/kg dry	1	0.00016	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00038	U	mg/kg dry	1	0.00038	0.0021	9C25006	EPA 8260B	03/25/09 18:13	REF	
Methylene Chloride [75-09-2] ^	0.00058	U	mg/kg dry	1	0.00058	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	

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Description:	S-5	**Lab Sample ID:**	C903049-05	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:45	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	84.7

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Naphthalene [91-20-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
n-Butyl Benzene [104-51-8] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
n-Propyl Benzene [103-65-1] ^	0.00019	U	mg/kg dry	1	0.00019	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
o-Xylene [95-47-6] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
sec-Butylbenzene [135-98-8] ^	0.00023	U	mg/kg dry	1	0.00023	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Styrene [100-42-5] ^	0.00018	U	mg/kg dry	1	0.00018	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
tert-Butylbenzene [98-06-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Tetrachloroethene [127-18-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Toluene [108-88-3] ^	0.00021	U	mg/kg dry	1	0.00021	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00038	U	mg/kg dry	1	0.00038	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00040	U	mg/kg dry	1	0.00040	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Trichloroethene [79-01-6] ^	0.00028	U	mg/kg dry	1	0.00028	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Trichlorofluoromethane [75-69-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Vinyl chloride [75-01-4] ^	0.00025	U	mg/kg dry	1	0.00025	0.0010	9C25006	EPA 8260B	03/25/09 18:13	REF	
Xylenes (Total) [1330-20-7] ^	0.00058	U	mg/kg dry	1	0.00058	0.0021	9C25006	EPA 8260B	03/25/09 18:13	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*90 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 18:13*	*REF*	
Dibromofluoromethane	*44*	*1*	*50.0*	*88 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 18:13*	*REF*	
Toluene-d8	*46*	*1*	*50.0*	*91 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 18:13*	*REF*	

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Description: S-5
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-05
Sampled: 03/24/09 11:45
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 84.7

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.044	U	mg/kg dry	1	0.044	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
1-Methylnaphthalene [90-12-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.059	U	mg/kg dry	1	0.059	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2-Chloronaphthalene [91-58-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2-Chlorophenol [95-57-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.042	U	mg/kg dry	1	0.042	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2-Methylnaphthalene [91-57-6] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2-Methylphenol [95-48-7] ^	0.041	U	mg/kg dry	1	0.041	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2-Nitroaniline [88-74-4] ^	0.17	U	mg/kg dry	1	0.17	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
2-Nitrophenol [88-75-5] ^	0.045	U	mg/kg dry	1	0.045	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.039	U	mg/kg dry	1	0.039	0.78	9C25037	EPA 8270C	03/27/09 13:42	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
3-Nitroaniline [99-09-2] ^	0.042	U	mg/kg dry	1	0.042	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
4-Nitroaniline [100-01-6] ^	0.059	U	mg/kg dry	1	0.059	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
4-Nitrophenol [100-02-7]	0.050	U	mg/kg dry	1	0.050	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Acenaphthene [83-32-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Acenaphthylene [208-96-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Anthracene [120-12-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzo(a)anthracene [56-55-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzo(a)pyrene [50-32-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.046	U	mg/kg dry	1	0.046	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.048	U	mg/kg dry	1	0.048	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzoic acid [65-85-0] ^	0.078	U	mg/kg dry	1	0.078	2.0	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Benzyl alcohol [100-51-6] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.24	U	mg/kg dry	1	0.24	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Butylbenzylphthalate [85-68-7] ^	0.053	U	mg/kg dry	1	0.053	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Chrysene [218-01-9] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Dibenzofuran [132-64-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Diethylphthalate [84-66-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Dimethylphthalate [131-11-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Di-n-butylphthalate [84-74-2] ^	0.046	U	mg/kg dry	1	0.046	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Di-n-octylphthalate [117-84-0] ^	0.051	U	mg/kg dry	1	0.051	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	

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Description:	S-5	**Lab Sample ID:**	C903049-05	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:45	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	84.7

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Fluorene [86-73-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Hexachlorobenzene [118-74-1] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Hexachlorobutadiene [87-68-3] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.048	U	mg/kg dry	1	0.048	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Hexachloroethane [67-72-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Isophorone [78-59-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Naphthalene [91-20-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Nitrobenzene [98-95-3] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Pentachlorophenol [87-86-5]	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Phenanthrene [85-01-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Phenol [108-95-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Pyrene [129-00-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	
Pyridine [110-86-1] ^	0.097	U	mg/kg dry	1	0.097	0.39	9C25037	EPA 8270C	03/27/09 13:42	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.4*	*1*	*3.93*	*87 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 13:42*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*1.97*	*85 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 13:42*	*DFM*	
2-Fluorophenol	*2.8*	*1*	*3.93*	*72 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 13:42*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*1.97*	*82 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 13:42*	*DFM*	
Phenol-d5	*3.0*	*1*	*3.93*	*77 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 13:42*	*DFM*	
Terphenyl-d14	*1.7*	*1*	*1.97*	*85 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 13:42*	*DFM*	

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Description:	S-5	**Lab Sample ID:**	C903049-05	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:45	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	84.7

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	0.28	U	mg/kg dry	1	0.28	0.59	9C25030	EPA 6010B	03/26/09 15:01	JDH	
Barium [7440-39-3] ^	**3.64**		mg/kg dry	1	0.099	0.590	9C25030	EPA 6010B	03/26/09 15:01	JDH	
Cadmium [7440-43-9] ^	0.008	U	mg/kg dry	1	0.008	0.059	9C25030	EPA 6010B	03/26/09 15:01	JDH	
Chromium [7440-47-3] ^	**3.07**		mg/kg dry	1	0.04	0.59	9C25030	EPA 6010B	03/26/09 15:01	JDH	
Lead [7439-92-1] ^	**2.55**	B	mg/kg dry	1	0.08	0.59	9C25030	EPA 6010B	03/26/09 15:01	JDH	QB-01
Mercury [7439-97-6] ^	0.006	U	mg/kg dry	1	0.006	0.01	9C25036	EPA 7471A	03/27/09 12:41	NLH	
Selenium [7782-49-2] ^	0.33	U	mg/kg dry	1	0.33	0.59	9C25030	EPA 6010B	03/26/09 15:01	JDH	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.59	9C25030	EPA 6010B	03/26/09 15:01	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: S-6
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-06
Sampled: 03/24/09 12:50
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 89.8

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,1-Dichloroethane [75-34-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,1-Dichloroethene [75-35-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,1-Dichloropropene [563-58-6] ^	0.00036	U	mg/kg dry	1	0.00036	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00038	U	mg/kg dry	1	0.00038	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00088	U	mg/kg dry	1	0.00088	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2-Dibromoethane [106-93-4] ^	0.00051	U	mg/kg dry	1	0.00051	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2-Dichloroethane [107-06-2] ^	0.00042	U	mg/kg dry	1	0.00042	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,2-Dichloropropane [78-87-5] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,3-Dichloropropane [142-28-9] ^	0.00032	U	mg/kg dry	1	0.00032	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
2,2-Dichloropropane [594-20-7] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
2-Butanone [78-93-3] ^	0.00087	U	mg/kg dry	1	0.00087	0.0056	9C25006	EPA 8260B	03/25/09 18:41	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00055	U	mg/kg dry	1	0.00055	0.0056	9C25006	EPA 8260B	03/25/09 18:41	REF	
2-Chlorotoluene [95-49-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
2-Hexanone [591-78-6] ^	0.00084	U	mg/kg dry	1	0.00084	0.0056	9C25006	EPA 8260B	03/25/09 18:41	REF	
4-Chlorotoluene [106-43-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
4-Isopropyltoluene [99-87-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00063	U	mg/kg dry	1	0.00063	0.0056	9C25006	EPA 8260B	03/25/09 18:41	REF	
Acetone [67-64-1] ^	0.0013	U	mg/kg dry	1	0.0013	0.0056	9C25006	EPA 8260B	03/25/09 18:41	REF	
Benzene [71-43-2] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Bromobenzene [108-86-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Bromochloromethane [74-97-5] ^	0.00046	U	mg/kg dry	1	0.00046	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Bromodichloromethane [75-27-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Bromoform [75-25-2] ^	0.00050	U	mg/kg dry	1	0.00050	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Bromomethane [74-83-9] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Carbon disulfide [75-15-0] ^	0.00043	U	mg/kg dry	1	0.00043	0.0056	9C25006	EPA 8260B	03/25/09 18:41	REF	
Carbon Tetrachloride [56-23-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Chlorobenzene [108-90-7] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Chloroethane [75-00-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Chloroform [67-66-3] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Chloromethane [74-87-3] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00014	U	mg/kg dry	1	0.00014	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Dibromochloromethane [124-48-1] ^	0.00039	U	mg/kg dry	1	0.00039	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Dibromomethane [74-95-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00050	U	mg/kg dry	1	0.00050	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Ethylbenzene [100-41-4] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Hexachlorobutadiene [87-68-3] ^	0.00039	U	mg/kg dry	1	0.00039	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Isopropylbenzene [98-82-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00041	U	mg/kg dry	1	0.00041	0.0022	9C25006	EPA 8260B	03/25/09 18:41	REF	
Methylene Chloride [75-09-2] ^	0.00062	U	mg/kg dry	1	0.00062	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	

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Description:	S-6	**Lab Sample ID:**	C903049-06	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 12:50	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	89.8

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00033	U	mg/kg dry	1	0.00033	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Naphthalene [91-20-3] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
n-Butyl Benzene [104-51-8] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
n-Propyl Benzene [103-65-1] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
o-Xylene [95-47-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
sec-Butylbenzene [135-98-8] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Styrene [100-42-5] ^	0.00019	U	mg/kg dry	1	0.00019	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
tert-Butylbenzene [98-06-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Tetrachloroethene [127-18-4] ^	0.00031	U	mg/kg dry	1	0.00031	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Toluene [108-88-3] ^	0.00022	U	mg/kg dry	1	0.00022	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00041	U	mg/kg dry	1	0.00041	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00043	U	mg/kg dry	1	0.00043	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Trichloroethene [79-01-6] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Trichlorofluoromethane [75-69-4] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Vinyl chloride [75-01-4] ^	0.00027	U	mg/kg dry	1	0.00027	0.0011	9C25006	EPA 8260B	03/25/09 18:41	REF	
Xylenes (Total) [1330-20-7] ^	0.00062	U	mg/kg dry	1	0.00062	0.0022	9C25006	EPA 8260B	03/25/09 18:41	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*44*	*1*	*50.0*	*87 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 18:41*	*REF*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 18:41*	*REF*	
Toluene-d8	*45*	*1*	*50.0*	*90 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 18:41*	*REF*	

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Description: S-6
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-06
Sampled: 03/24/09 12:50
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 89.8

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.041	U	mg/kg dry	1	0.041	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
1-Methylnaphthalene [90-12-0] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.056	U	mg/kg dry	1	0.056	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2-Chloronaphthalene [91-58-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2-Chlorophenol [95-57-8] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.040	U	mg/kg dry	1	0.040	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2-Methylnaphthalene [91-57-6] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2-Methylphenol [95-48-7] ^	0.039	U	mg/kg dry	1	0.039	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2-Nitroaniline [88-74-4] ^	0.16	U	mg/kg dry	1	0.16	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
2-Nitrophenol [88-75-5] ^	0.042	U	mg/kg dry	1	0.042	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.037	U	mg/kg dry	1	0.037	0.74	9C25037	EPA 8270C	03/27/09 14:12	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.11	U	mg/kg dry	1	0.11	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
3-Nitroaniline [99-09-2] ^	0.040	U	mg/kg dry	1	0.040	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
4-Chloroaniline [106-47-8] ^	0.10	U	mg/kg dry	1	0.10	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
4-Nitroaniline [100-01-6] ^	0.056	U	mg/kg dry	1	0.056	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
4-Nitrophenol [100-02-7]	0.047	U	mg/kg dry	1	0.047	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Acenaphthene [83-32-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Acenaphthylene [208-96-8] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Anthracene [120-12-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzidine [92-87-5] ^	0.12	U	mg/kg dry	1	0.12	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzo(a)anthracene [56-55-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzo(a)pyrene [50-32-8] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.043	U	mg/kg dry	1	0.043	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.046	U	mg/kg dry	1	0.046	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzoic acid [65-85-0] ^	0.074	U	mg/kg dry	1	0.074	1.9	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Benzyl alcohol [100-51-6] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.22	U	mg/kg dry	1	0.22	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Butylbenzylphthalate [85-68-7] ^	0.050	U	mg/kg dry	1	0.050	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Chrysene [218-01-9] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Dibenzofuran [132-64-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Diethylphthalate [84-66-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Dimethylphthalate [131-11-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Di-n-butylphthalate [84-74-2] ^	0.043	U	mg/kg dry	1	0.043	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Di-n-octylphthalate [117-84-0] ^	0.048	U	mg/kg dry	1	0.048	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	

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Description: S-6
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-06
Sampled: 03/24/09 12:50
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 89.8

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Fluorene [86-73-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Hexachlorobenzene [118-74-1] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Hexachlorobutadiene [87-68-3] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.046	U	mg/kg dry	1	0.046	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Hexachloroethane [67-72-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Isophorone [78-59-1] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Naphthalene [91-20-3] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Nitrobenzene [98-95-3] ^	0.038	U	mg/kg dry	1	0.038	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Pentachlorophenol [87-86-5]	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Phenanthrene [85-01-8] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Phenol [108-95-2] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Pyrene [129-00-0] ^	0.037	U	mg/kg dry	1	0.037	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	
Pyridine [110-86-1] ^	0.091	U	mg/kg dry	1	0.091	0.37	9C25037	EPA 8270C	03/27/09 14:12	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.6*	*1*	*3.71*	*71 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 14:12*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*1.86*	*90 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 14:12*	*DFM*	
2-Fluorophenol	*2.7*	*1*	*3.71*	*72 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 14:12*	*DFM*	
Nitrobenzene-d5	*1.5*	*1*	*1.86*	*83 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 14:12*	*DFM*	
Phenol-d5	*2.8*	*1*	*3.71*	*75 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 14:12*	*DFM*	
Terphenyl-d14	*1.3*	*1*	*1.86*	*70 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 14:12*	*DFM*	

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Description:	S-6	**Lab Sample ID:**	C903049-06	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 12:50	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	89.8

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cinnamyl cinnamate [000122-69-0]	0.65	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 14:12	DFM	
Ethane, 1,1,2,2-tetrachloro- [000079-34-5]	0.88	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 14:12	DFM	
Ethane, 1,1,2-trichloro- [000079-00-5]	0.35	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 14:12	DFM	

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Description:	S-6	**Lab Sample ID:**	C903049-06	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 12:50	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	89.8

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**0.29**	J	mg/kg dry	1	0.27	0.56	9C25030	EPA 6010B	03/26/09 15:03	JDH	
Barium [7440-39-3] ^	**3.04**		mg/kg dry	1	0.094	0.557	9C25030	EPA 6010B	03/26/09 15:03	JDH	
Cadmium [7440-43-9] ^	0.007	U	mg/kg dry	1	0.007	0.056	9C25030	EPA 6010B	03/26/09 15:03	JDH	
Chromium [7440-47-3] ^	**3.83**		mg/kg dry	1	0.04	0.56	9C25030	EPA 6010B	03/26/09 15:03	JDH	
Lead [7439-92-1] ^	**2.56**	B	mg/kg dry	1	0.08	0.56	9C25030	EPA 6010B	03/26/09 15:03	JDH	QB-01
Mercury [7439-97-6] ^	0.006	U	mg/kg dry	1	0.006	0.01	9C25036	EPA 7471A	03/27/09 12:44	NLH	
Selenium [7782-49-2] ^	0.31	U	mg/kg dry	1	0.31	0.56	9C25030	EPA 6010B	03/26/09 15:03	JDH	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.56	9C25030	EPA 6010B	03/26/09 15:03	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: S-7
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-07
Sampled: 03/24/09 13:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 87.2

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,1-Dichloroethane [75-34-3] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,1-Dichloroethene [75-35-4] ^	0.00034	U	mg/kg dry	1	0.00034	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,1-Dichloropropene [563-58-6] ^	0.00037	U	mg/kg dry	1	0.00037	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00024	U	mg/kg dry	1	0.00024	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00039	U	mg/kg dry	1	0.00039	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00031	U	mg/kg dry	1	0.00031	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00091	U	mg/kg dry	1	0.00091	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2-Dibromoethane [106-93-4] ^	0.00053	U	mg/kg dry	1	0.00053	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00031	U	mg/kg dry	1	0.00031	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2-Dichloroethane [107-06-2] ^	0.00044	U	mg/kg dry	1	0.00044	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,2-Dichloropropane [78-87-5] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,3-Dichloropropane [142-28-9] ^	0.00033	U	mg/kg dry	1	0.00033	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
2,2-Dichloropropane [594-20-7] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
2-Butanone [78-93-3] ^	0.00089	U	mg/kg dry	1	0.00089	0.0057	9C25006	EPA 8260B	03/25/09 19:09	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00056	U	mg/kg dry	1	0.00056	0.0057	9C25006	EPA 8260B	03/25/09 19:09	REF	
2-Chlorotoluene [95-49-8] ^	0.00021	U	mg/kg dry	1	0.00021	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
2-Hexanone [591-78-6] ^	0.00086	U	mg/kg dry	1	0.00086	0.0057	9C25006	EPA 8260B	03/25/09 19:09	REF	
4-Chlorotoluene [106-43-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
4-Isopropyltoluene [99-87-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00065	U	mg/kg dry	1	0.00065	0.0057	9C25006	EPA 8260B	03/25/09 19:09	REF	
Acetone [67-64-1] ^	0.0014	U	mg/kg dry	1	0.0014	0.0057	9C25006	EPA 8260B	03/25/09 19:09	REF	
Benzene [71-43-2] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Bromobenzene [108-86-1] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Bromochloromethane [74-97-5] ^	0.00047	U	mg/kg dry	1	0.00047	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Bromodichloromethane [75-27-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Bromoform [75-25-2] ^	0.00052	U	mg/kg dry	1	0.00052	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Bromomethane [74-83-9] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Carbon disulfide [75-15-0] ^	0.00045	U	mg/kg dry	1	0.00045	0.0057	9C25006	EPA 8260B	03/25/09 19:09	REF	
Carbon Tetrachloride [56-23-5] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Chlorobenzene [108-90-7] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Chloroethane [75-00-3] ^	0.00029	U	mg/kg dry	1	0.00029	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Chloroform [67-66-3] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Chloromethane [74-87-3] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00026	U	mg/kg dry	1	0.00026	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00015	U	mg/kg dry	1	0.00015	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Dibromochloromethane [124-48-1] ^	0.00040	U	mg/kg dry	1	0.00040	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Dibromomethane [74-95-3] ^	0.00036	U	mg/kg dry	1	0.00036	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00052	U	mg/kg dry	1	0.00052	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Ethylbenzene [100-41-4] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Hexachlorobutadiene [87-68-3] ^	0.00040	U	mg/kg dry	1	0.00040	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Isopropylbenzene [98-82-8] ^	0.00017	U	mg/kg dry	1	0.00017	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00042	U	mg/kg dry	1	0.00042	0.0023	9C25006	EPA 8260B	03/25/09 19:09	REF	
Methylene Chloride [75-09-2] ^	0.00064	U	mg/kg dry	1	0.00064	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	

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Description:	S-7	**Lab Sample ID:**	C903049-07	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 13:30	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	87.2

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00034	U	mg/kg dry	1	0.00034	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Naphthalene [91-20-3] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
n-Butyl Benzene [104-51-8] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
n-Propyl Benzene [103-65-1] ^	0.00021	U	mg/kg dry	1	0.00021	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
o-Xylene [95-47-6] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
sec-Butylbenzene [135-98-8] ^	0.00025	U	mg/kg dry	1	0.00025	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Styrene [100-42-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
tert-Butylbenzene [98-06-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Tetrachloroethene [127-18-4] ^	0.00032	U	mg/kg dry	1	0.00032	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Toluene [108-88-3] ^	0.00023	U	mg/kg dry	1	0.00023	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00042	U	mg/kg dry	1	0.00042	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00045	U	mg/kg dry	1	0.00045	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Trichloroethene [79-01-6] ^	0.00031	U	mg/kg dry	1	0.00031	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Trichlorofluoromethane [75-69-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Vinyl chloride [75-01-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.0011	9C25006	EPA 8260B	03/25/09 19:09	REF	
Xylenes (Total) [1330-20-7] ^	0.00064	U	mg/kg dry	1	0.00064	0.0023	9C25006	EPA 8260B	03/25/09 19:09	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*52*	*1*	*50.0*	*105 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 19:09*	*REF*	
Dibromofluoromethane	*51*	*1*	*50.0*	*103 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 19:09*	*REF*	
Toluene-d8	*55*	*1*	*50.0*	*110 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 19:09*	*REF*	

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Description: S-7
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-07
Sampled: 03/24/09 13:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 87.2

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.042	U	mg/kg dry	1	0.042	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
1-Methylnaphthalene [90-12-0] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.057	U	mg/kg dry	1	0.057	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2-Chloronaphthalene [91-58-7] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2-Chlorophenol [95-57-8] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.041	U	mg/kg dry	1	0.041	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2-Methylnaphthalene [91-57-6] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2-Methylphenol [95-48-7] ^	0.040	U	mg/kg dry	1	0.040	0.38	-9C25037	EPA 8270C	03/27/09 14:43	DFM	
2-Nitroaniline [88-74-4] ^	0.16	U	mg/kg dry	1	0.16	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
2-Nitrophenol [88-75-5] ^	0.044	U	mg/kg dry	1	0.044	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.038	U	mg/kg dry	1	0.038	0.76	9C25037	EPA 8270C	03/27/09 14:43	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.11	U	mg/kg dry	1	0.11	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
3-Nitroaniline [99-09-2] ^	0.041	U	mg/kg dry	1	0.041	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
4-Nitroaniline [100-01-6] ^	0.057	U	mg/kg dry	1	0.057	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
4-Nitrophenol [100-02-7]	0.048	U	mg/kg dry	1	0.048	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Acenaphthene [83-32-9] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Acenaphthylene [208-96-8] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Anthracene [120-12-7] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzo(a)anthracene [56-55-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzo(a)pyrene [50-32-8] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.045	U	mg/kg dry	1	0.045	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.047	U	mg/kg dry	1	0.047	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzoic acid [65-85-0] ^	0.076	U	mg/kg dry	1	0.076	2.0	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Benzyl alcohol [100-51-6] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.23	U	mg/kg dry	1	0.23	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Butylbenzylphthalate [85-68-7] ^	0.052	U	mg/kg dry	1	0.052	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Chrysene [218-01-9] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Dibenzofuran [132-64-9] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Diethylphthalate [84-66-2] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Dimethylphthalate [131-11-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Di-n-butylphthalate [84-74-2] ^	0.045	U	mg/kg dry	1	0.045	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Di-n-octylphthalate [117-84-0] ^	0.049	U	mg/kg dry	1	0.049	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	

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Description: S-7
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-07
Sampled: 03/24/09 13:30
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 87.2

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Fluorene [86-73-7] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Hexachlorobenzene [118-74-1] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Hexachlorobutadiene [87-68-3] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.047	U	mg/kg dry	1	0.047	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Hexachloroethane [67-72-1] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Isophorone [78-59-1] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Naphthalene [91-20-3] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Nitrobenzene [98-95-3] ^	0.039	U	mg/kg dry	1	0.039	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Pentachlorophenol [87-86-5]	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Phenanthrene [85-01-8] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Phenol [108-95-2] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Pyrene [129-00-0] ^	0.038	U	mg/kg dry	1	0.038	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	
Pyridine [110-86-1] ^	0.094	U	mg/kg dry	1	0.094	0.38	9C25037	EPA 8270C	03/27/09 14:43	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*3.1*	*1*	*3.82*	*81 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 14:43*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*1.91*	*87 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 14:43*	*DFM*	
2-Fluorophenol	*2.8*	*1*	*3.82*	*73 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 14:43*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*1.91*	*84 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 14:43*	*DFM*	
Phenol-d5	*2.9*	*1*	*3.82*	*76 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 14:43*	*DFM*	
Terphenyl-d14	*1.5*	*1*	*1.91*	*78 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 14:43*	*DFM*	

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Description:	S-7	**Lab Sample ID:**	C903049-07	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 13:30	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	87.2

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Cinnamyl cinnamate [000122-69-0]	0.51	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 14:43	DFM	
Ethane, 1,1,2,2-tetrachloro- [000079-34-5]	0.87	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 14:43	DFM	
Ethane, 1,1,2-trichloro- [000079-00-5]	0.29	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 14:43	DFM	

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Description:	S-7	**Lab Sample ID:**	C903049-07	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 13:30	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	87.2

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	**1.84**		mg/kg dry	1	0.28	0.57	9C25030	EPA 6010B	03/26/09 15:05	JDH	
Barium [7440-39-3] ^	**13.1**		mg/kg dry	1	0.096	0.574	9C25030	EPA 6010B	03/26/09 15:05	JDH	
Cadmium [7440-43-9] ^	**0.008**	J	mg/kg dry	1	0.007	0.057	9C25030	EPA 6010B	03/26/09 15:05	JDH	
Chromium [7440-47-3] ^	**11.4**		mg/kg dry	1	0.04	0.57	9C25030	EPA 6010B	03/26/09 15:05	JDH	
Lead [7439-92-1] ^	**5.08**	B	mg/kg dry	1	0.08	0.57	9C25030	EPA 6010B	03/26/09 15:05	JDH	QB-01
Mercury [7439-97-6] ^	**0.04**		mg/kg dry	1	0.006	0.01	9C25036	EPA 7471A	03/27/09 12:46	NLH	
Selenium [7782-49-2] ^	**2.38**		mg/kg dry	1	0.32	0.57	9C25030	EPA 6010B	03/26/09 15:05	JDH	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.57	9C25030	EPA 6010B	03/26/09 15:05	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Duplicate
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-08
Sampled: 03/24/09 11:50
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 85.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,1,1-Trichloroethane [71-55-6] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,1,2-Trichloroethane [79-00-5] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,1-Dichloroethane [75-34-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,1-Dichloroethene [75-35-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,1-Dichloropropene [563-58-6] ^	0.00032	U	mg/kg dry	1	0.00032	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2,3-Trichlorobenzene [87-61-6] ^	0.00021	U	mg/kg dry	1	0.00021	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2,3-Trichloropropane [96-18-4] ^	0.00034	U	mg/kg dry	1	0.00034	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2,4-Trichlorobenzene [120-82-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2,4-Trimethylbenzene [95-63-6] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.00078	U	mg/kg dry	1	0.00078	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2-Dibromoethane [106-93-4] ^	0.00045	U	mg/kg dry	1	0.00045	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2-Dichlorobenzene [95-50-1] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2-Dichloroethane [107-06-2] ^	0.00038	U	mg/kg dry	1	0.00038	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,2-Dichloropropane [78-87-5] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,3,5-Trimethylbenzene [108-67-8] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,3-Dichlorobenzene [541-73-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,3-Dichloropropane [142-28-9] ^	0.00029	U	mg/kg dry	1	0.00029	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
1,4-Dichlorobenzene [106-46-7] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
2,2-Dichloropropane [594-20-7] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
2-Butanone [78-93-3] ^	0.00077	U	mg/kg dry	1	0.00077	0.0049	9C25006	EPA 8260B	03/25/09 19:37	REF	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.00048	U	mg/kg dry	1	0.00048	0.0049	9C25006	EPA 8260B	03/25/09 19:37	REF	
2-Chlorotoluene [95-49-8] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
2-Hexanone [591-78-6] ^	0.00074	U	mg/kg dry	1	0.00074	0.0049	9C25006	EPA 8260B	03/25/09 19:37	REF	
4-Chlorotoluene [106-43-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
4-Isopropyltoluene [99-87-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
4-Methyl-2-pentanone [108-10-1] ^	0.00056	U	mg/kg dry	1	0.00056	0.0049	9C25006	EPA 8260B	03/25/09 19:37	REF	
Acetone [67-64-1] ^	0.0012	U	mg/kg dry	1	0.0012	0.0049	9C25006	EPA 8260B	03/25/09 19:37	REF	
Benzene [71-43-2] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Bromobenzene [108-86-1] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Bromochloromethane [74-97-5] ^	0.00040	U	mg/kg dry	1	0.00040	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Bromodichloromethane [75-27-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Bromoform [75-25-2] ^	0.00044	U	mg/kg dry	1	0.00044	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Bromomethane [74-83-9] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Carbon disulfide [75-15-0] ^	0.00039	U	mg/kg dry	1	0.00039	0.0049	9C25006	EPA 8260B	03/25/09 19:37	REF	
Carbon Tetrachloride [56-23-5] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Chlorobenzene [108-90-7] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Chloroethane [75-00-3] ^	0.00025	U	mg/kg dry	1	0.00025	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Chloroform [67-66-3] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Chloromethane [74-87-3] ^	0.00015	U	mg/kg dry	1	0.00015	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
cis-1,2-Dichloroethene [156-59-2] ^	0.00023	U	mg/kg dry	1	0.00023	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
cis-1,3-Dichloropropene [10061-01-5] ^	0.00013	U	mg/kg dry	1	0.00013	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Dibromochloromethane [124-48-1] ^	0.00035	U	mg/kg dry	1	0.00035	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Dibromomethane [74-95-3] ^	0.00031	U	mg/kg dry	1	0.00031	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Dichlorodifluoromethane [75-71-8] ^	0.00044	U	mg/kg dry	1	0.00044	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Ethylbenzene [100-41-4] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Hexachlorobutadiene [87-68-3] ^	0.00035	U	mg/kg dry	1	0.00035	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Isopropylbenzene [98-82-8] ^	0.00015	U	mg/kg dry	1	0.00015	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
m,p-Xylenes [108-38-3/106-42-3] ^	0.00037	U	mg/kg dry	1	0.00037	0.0020	9C25006	EPA 8260B	03/25/09 19:37	REF	
Methylene Chloride [75-09-2] ^	0.00055	U	mg/kg dry	1	0.00055	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	

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Description:	Duplicate	**Lab Sample ID:**	C903049-08	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:50	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	85.1

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methyl-tert-Butyl Ether [1634-04-4] ^	0.00030	U	mg/kg dry	1	0.00030	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Naphthalene [91-20-3] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
n-Butyl Benzene [104-51-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
n-Propyl Benzene [103-65-1] ^	0.00018	U	mg/kg dry	1	0.00018	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
o-Xylene [95-47-6] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
sec-Butylbenzene [135-98-8] ^	0.00022	U	mg/kg dry	1	0.00022	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Styrene [100-42-5] ^	0.00017	U	mg/kg dry	1	0.00017	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
tert-Butylbenzene [98-06-6] ^	0.00016	U	mg/kg dry	1	0.00016	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Tetrachloroethene [127-18-4] ^	0.00028	U	mg/kg dry	1	0.00028	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Toluene [108-88-3] ^	0.00020	U	mg/kg dry	1	0.00020	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
trans-1,2-Dichloroethene [156-60-5] ^	0.00037	U	mg/kg dry	1	0.00037	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
trans-1,3-Dichloropropene [10061-02-6] ^	0.00039	U	mg/kg dry	1	0.00039	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Trichloroethene [79-01-6] ^	0.00027	U	mg/kg dry	1	0.00027	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Trichlorofluoromethane [75-69-4] ^	0.00026	U	mg/kg dry	1	0.00026	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Vinyl chloride [75-01-4] ^	0.00024	U	mg/kg dry	1	0.00024	0.00099	9C25006	EPA 8260B	03/25/09 19:37	REF	
Xylenes (Total) [1330-20-7] ^	0.00055	U	mg/kg dry	1	0.00055	0.0020	9C25006	EPA 8260B	03/25/09 19:37	REF	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	**Notes**
4-Bromofluorobenzene	*44*	*1*	*50.0*	*88 %*	*61-118*	*9C25006*	*EPA 8260B*	*03/25/09 19:37*	*REF*	
Dibromofluoromethane	*43*	*1*	*50.0*	*86 %*	*66-114*	*9C25006*	*EPA 8260B*	*03/25/09 19:37*	*REF*	
Toluene-d8	*46*	*1*	*50.0*	*92 %*	*63-118*	*9C25006*	*EPA 8260B*	*03/25/09 19:37*	*REF*	

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Description: Duplicate
Matrix: Soil
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-08
Sampled: 03/24/09 11:50
Sampled By: Lee Ann Jones

Received: 03/25/09 10:30
Work Order: C903049
% Solids: 85.1

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,2,4-Trichlorobenzene [120-82-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
1,2-Dichlorobenzene [95-50-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
1,3-Dichlorobenzene [541-73-1] ^	0.043	U	mg/kg dry	1	0.043	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
1,4-Dichlorobenzene [106-46-7] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
1-Methylnaphthalene [90-12-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2,4,5-Trichlorophenol [95-95-4] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2,4,6-Trichlorophenol [88-06-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2,4-Dichlorophenol [120-83-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2,4-Dimethylphenol [105-67-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2,4-Dinitrophenol [51-28-5] ^	0.059	U	mg/kg dry	1	0.059	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2,4-Dinitrotoluene [121-14-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2,6-Dinitrotoluene [606-20-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2-Chloronaphthalene [91-58-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2-Chlorophenol [95-57-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2-Methyl-4,6-dinitrophenol [534-52-1] ^	0.042	U	mg/kg dry	1	0.042	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2-Methylnaphthalene [91-57-6] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2-Methylphenol [95-48-7] ^	0.041	U	mg/kg dry	1	0.041	0.39	-9C25037	EPA 8270C	03/27/09 15:13	DFM	
2-Nitroaniline [88-74-4] ^	0.16	U	mg/kg dry	1	0.16	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
2-Nitrophenol [88-75-5] ^	0.045	U	mg/kg dry	1	0.045	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
3 & 4-Methylphenol [108-39-4/106-44-5] ^	0.039	U	mg/kg dry	1	0.039	0.78	9C25037	EPA 8270C	03/27/09 15:13	DFM	
3,3'-Dichlorobenzidine [91-94-1] ^	0.12	U	mg/kg dry	1	0.12	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
3-Nitroaniline [99-09-2] ^	0.042	U	mg/kg dry	1	0.042	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
4-Bromophenyl-phenylether [101-55-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
4-Chloro-3-methylphenol [59-50-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
4-Chloroaniline [106-47-8] ^	0.11	U	mg/kg dry	1	0.11	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
4-Chlorophenyl-phenylether [7005-72-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
4-Nitroaniline [100-01-6] ^	0.059	U	mg/kg dry	1	0.059	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
4-Nitrophenol [100-02-7]	0.049	U	mg/kg dry	1	0.049	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Acenaphthene [83-32-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Acenaphthylene [208-96-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Anthracene [120-12-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzidine [92-87-5] ^	0.13	U	mg/kg dry	1	0.13	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzo(a)anthracene [56-55-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzo(a)pyrene [50-32-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzo(b)fluoranthene [205-99-2] ^	0.046	U	mg/kg dry	1	0.046	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzo(g,h,i)perylene [191-24-2] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzo(k)fluoranthene [207-08-9] ^	0.048	U	mg/kg dry	1	0.048	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzoic acid [65-85-0] ^	0.078	U	mg/kg dry	1	0.078	2.0	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Benzyl alcohol [100-51-6] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Bis(2-chloroethoxy)methane [111-91-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Bis(2-chloroethyl)ether [111-44-4] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Bis(2-chloroisopropyl)ether [39638-32-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Bis(2-ethylhexyl)phthalate [117-81-7] ^	0.24	U	mg/kg dry	1	0.24	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Butylbenzylphthalate [85-68-7] ^	0.053	U	mg/kg dry	1	0.053	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Chrysene [218-01-9] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Dibenzo(a,h)anthracene [53-70-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Dibenzofuran [132-64-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Diethylphthalate [84-66-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Dimethylphthalate [131-11-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Di-n-butylphthalate [84-74-2] ^	0.046	U	mg/kg dry	1	0.046	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Di-n-octylphthalate [117-84-0] ^	0.051	U	mg/kg dry	1	0.051	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	

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Description:	Duplicate	**Lab Sample ID:**	C903049-08	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:50	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	85.1

Semivolatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Fluoranthene [206-44-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Fluorene [86-73-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Hexachlorobenzene [118-74-1] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Hexachlorobutadiene [87-68-3] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Hexachlorocyclopentadiene [77-47-4] ^	0.048	U	mg/kg dry	1	0.048	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Hexachloroethane [67-72-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Indeno(1,2,3-cd)pyrene [193-39-5] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Isophorone [78-59-1] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Naphthalene [91-20-3] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Nitrobenzene [98-95-3] ^	0.040	U	mg/kg dry	1	0.040	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
N-Nitrosodimethylamine [62-75-9] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
N-Nitroso-di-n-propylamine [621-64-7] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
N-Nitrosodiphenylamine/Diphenylamine [86-30-6/122-39-4] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Pentachlorophenol [87-86-5]	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Phenanthrene [85-01-8] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Phenol [108-95-2] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Pyrene [129-00-0] ^	0.039	U	mg/kg dry	1	0.039	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	
Pyridine [110-86-1] ^	0.096	U	mg/kg dry	1	0.096	0.39	9C25037	EPA 8270C	03/27/09 15:13	DFM	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
2,4,6-Tribromophenol	*2.9*	*1*	*3.92*	*74 %*	*28-130*	*9C25037*	*EPA 8270C*	*03/27/09 15:13*	*DFM*	
2-Fluorobiphenyl	*1.7*	*1*	*1.96*	*87 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 15:13*	*DFM*	
2-Fluorophenol	*2.8*	*1*	*3.92*	*71 %*	*49-126*	*9C25037*	*EPA 8270C*	*03/27/09 15:13*	*DFM*	
Nitrobenzene-d5	*1.6*	*1*	*1.96*	*83 %*	*50-117*	*9C25037*	*EPA 8270C*	*03/27/09 15:13*	*DFM*	
Phenol-d5	*2.9*	*1*	*3.92*	*74 %*	*56-120*	*9C25037*	*EPA 8270C*	*03/27/09 15:13*	*DFM*	
Terphenyl-d14	*1.4*	*1*	*1.96*	*72 %*	*36-151*	*9C25037*	*EPA 8270C*	*03/27/09 15:13*	*DFM*	

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Description:	Duplicate	**Lab Sample ID:**	C903049-08	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:50	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	85.1

Tentatively Identified Compounds by Semivolatile GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
9-Octadecenamide, (Z)- [000301-02-0]	0.27	J	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:13	DFM	
Ethane, 1,1,2,2-tetrachloro- [000079-34-5]	1.0	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:13	DFM	
Ethane, 1,1,2-trichloro- [000079-00-5]	0.38	JB	mg/kg dry	1			9C25037	EPA 8270C	03/27/09 15:13	DFM	

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Description:	Duplicate	**Lab Sample ID:**	C903049-08	**Received:**	03/25/09 10:30
Matrix:	Soil	**Sampled:**	03/24/09 11:50	**Work Order:**	C903049
Project:	Wrightsville Avenue REC	**Sampled By:**	Lee Ann Jones	**% Solids:**	85.1

Metals by EPA 6000/7000 Series Methods

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Arsenic [7440-38-2] ^	0.28	U	mg/kg dry	1	0.28	0.59	9C25030	EPA 6010B	03/26/09 15:07	JDH	
Barium [7440-39-3] ^	**1.99**		mg/kg dry	1	0.099	0.588	9C25030	EPA 6010B	03/26/09 15:07	JDH	
Cadmium [7440-43-9] ^	0.008	U	mg/kg dry	1	0.008	0.059	9C25030	EPA 6010B	03/26/09 15:07	JDH	
Chromium [7440-47-3] ^	**1.89**		mg/kg dry	1	0.04	0.59	9C25030	EPA 6010B	03/26/09 15:07	JDH	
Lead [7439-92-1] ^	**1.67**	B	mg/kg dry	1	0.08	0.59	9C25030	EPA 6010B	03/26/09 15:07	JDH	QB-01
Mercury [7439-97-6] ^	0.006	U	mg/kg dry	1	0.006	0.01	9C25036	EPA 7471A	03/27/09 12:49	NLH	
Selenium [7782-49-2] ^	0.33	U	mg/kg dry	1	0.33	0.59	9C25030	EPA 6010B	03/26/09 15:07	JDH	
Silver [7440-22-4] ^	0.06	U	mg/kg dry	1	0.06	0.59	9C25030	EPA 6010B	03/26/09 15:07	JDH	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

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Description: Trip Blank
Matrix: Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-09
Sampled: 03/24/09 10:05
Sampled By: ENCO

Received: 03/25/09 10:30
Work Order: C903049

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
1,1,1,2-Tetrachloroethane [630-20-6] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,1,1-Trichloroethane [71-55-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,1,2,2-Tetrachloroethane [79-34-5] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,1,2-Trichloroethane [79-00-5] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,1-Dichloroethane [75-34-3] ^	0.33	U	ug/L	1	0.33	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,1-Dichloroethene [75-35-4] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,1-Dichloropropene [563-58-6] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2,3-Trichlorobenzene [87-61-6] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2,3-Trichloropropane [96-18-4] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2,4-Trichlorobenzene [120-82-1] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2,4-Trimethylbenzene [95-63-6] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2-Dibromo-3-chloropropane [96-12-8] ^	0.48	U	ug/L	1	0.48	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2-Dibromoethane [106-93-4] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2-Dichlorobenzene [95-50-1] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2-Dichloroethane [107-06-2] ^	0.65	U	ug/L	1	0.65	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,2-Dichloropropane [78-87-5] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,3,5-Trimethylbenzene [108-67-8] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,3-Dichlorobenzene [541-73-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,3-Dichloropropane [142-28-9] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
1,4-Dichlorobenzene [106-46-7] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
2,2-Dichloropropane [594-20-7] ^	0.55	U	ug/L	1	0.55	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
2-Butanone [78-93-3] ^	1.0	U	ug/L	1	1.0	5.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
2-Chloroethyl Vinyl Ether [110-75-8] ^	0.94	U	ug/L	1	0.94	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
2-Chlorotoluene [95-49-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
2-Hexanone [591-78-6] ^	0.69	U	ug/L	1	0.69	5.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
4-Chlorotoluene [106-43-4] ^	0.25	U	ug/L	1	0.25	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
4-Isopropyltoluene [99-87-6] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
4-Methyl-2-pentanone [108-10-1] ^	1.1	U	ug/L	1	1.1	5.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Acetone [67-64-1] ^	1.5	U	ug/L	1	1.5	5.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Benzene [71-43-2] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Bromobenzene [108-86-1] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Bromochloromethane [74-97-5] ^	0.42	U	ug/L	1	0.42	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Bromodichloromethane [75-27-4] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Bromoform [75-25-2] ^	0.71	U	ug/L	1	0.71	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Bromomethane [74-83-9] ^	0.49	U	ug/L	1	0.49	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Carbon disulfide [75-15-0] ^	0.54	U	ug/L	1	0.54	5.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Carbon tetrachloride [56-23-5] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Chlorobenzene [108-90-7] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Chloroethane [75-00-3] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Chloroform [67-66-3] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Chloromethane [74-87-3] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
cis-1,2-Dichloroethene [156-59-2] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
cis-1,3-Dichloropropene [10061-01-5] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Dibromochloromethane [124-48-1] ^	0.32	U	ug/L	1	0.32	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Dibromomethane [74-95-3] ^	0.37	U	ug/L	1	0.37	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Dichlorodifluoromethane [75-71-8] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Ethanol [64-17-5]	26	U	ug/L	1	26	50	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Ethylbenzene [100-41-4] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Hexachlorobutadiene [87-68-3] ^	0.35	U	ug/L	1	0.35	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Isopropylbenzene [98-82-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
m,p-Xylenes [108-38-3/106-42-3] ^	0.48	U	ug/L	1	0.48	2.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	

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Description: Trip Blank
Matrix: Water
Project: Wrightsville Avenue REC

Lab Sample ID: C903049-09
Sampled: 03/24/09 10:05
Sampled By: ENCO

Received: 03/25/09 10:30
Work Order: C903049

Volatile Organic Compounds by GCMS

^ - ENCO Cary certified analyte [NC 591]

Analyte [CAS Number]	Results	Flag	Units	DF	MDL	MRL	Batch	Method	Analyzed	By	Notes
Methylene chloride [75-09-2] ^	0.53	U	ug/L	1	0.53	2.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Methyl-tert-Butyl Ether [1634-04-4] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Naphthalene [91-20-3] ^	0.39	U	ug/L	1	0.39	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
n-Butyl Benzene [104-51-8] ^	0.20	U	ug/L	1	0.20	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
n-Propyl Benzene [103-65-1] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
o-Xylene [95-47-6] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
sec-Butylbenzene [135-98-8] ^	0.24	U	ug/L	1	0.24	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Styrene [100-42-5] ^	0.26	U	ug/L	1	0.26	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
tert-Butylbenzene [98-06-6] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Tetrachloroethene [127-18-4] ^	0.36	U	ug/L	1	0.36	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Toluene [108-88-3] ^	0.27	U	ug/L	1	0.27	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
trans-1,2-Dichloroethene [156-60-5] ^	0.34	U	ug/L	1	0.34	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
trans-1,3-Dichloropropene [10061-02-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Trichloroethene [79-01-6] ^	0.38	U	ug/L	1	0.38	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Trichlorofluoromethane [75-69-4] ^	0.28	U	ug/L	1	0.28	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Vinyl chloride [75-01-4] ^	0.30	U	ug/L	1	0.30	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	
Xylenes (Total) [1330-20-7] ^	0.40	U	ug/L	1	0.40	1.0	9C26015	EPA 8260B	03/26/09 14:04	JKG	

Surrogates	*Results*	*DF*	*Spike Lvl*	*% Rec*	*% Rec Limits*	*Batch*	*Method*	*Analyzed*	*By*	Notes
4-Bromofluorobenzene	*45*	*1*	*50.0*	*89 %*	*51-122*	*9C26015*	*EPA 8260B*	*03/26/09 14:04*	*JKG*	
Dibromofluoromethane	*45*	*1*	*50.0*	*91 %*	*68-117*	*9C26015*	*EPA 8260B*	*03/26/09 14:04*	*JKG*	
Toluene-d8	*43*	*1*	*50.0*	*86 %*	*69-110*	*9C26015*	*EPA 8260B*	*03/26/09 14:04*	*JKG*	

This report relates only to the sample as received by the laboratory, and may only be reproduced in full.

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C25006 - EPA 5035_MS

Blank (9C25006-BLK1) Prepared: 03/25/2009 10:12 Analyzed: 03/25/2009 13:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.00016	U	0.0010	mg/kg wet							
1,1,1-Trichloroethane	0.00018	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00023	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00032	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00021	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00034	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromo-3-chloropropane	0.00079	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00038	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.00049	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0012	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00023	U	0.0010	mg/kg wet							
Carbon disulfide	0.00039	U	0.0050	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00017	U	0.0010	mg/kg wet							
Chloromethane	0.00015	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00013	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dibromomethane	0.00031	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Hexachlorobutadiene	0.00035	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C25006 - EPA 5035_MS

Blank (9C25006-BLK1) Continued Prepared: 03/25/2009 10:12 Analyzed: 03/25/2009 13:59

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Methylene Chloride	0.00056	U	0.0010	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00024	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00022	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00022	U	0.0010	mg/kg wet							
Styrene	0.00017	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00016	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00020	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00027	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0020	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*48*			*ug/L*	*50.0*		*95*	*61-118*			
Surrogate: Dibromofluoromethane	*47*			*ug/L*	*50.0*		*95*	*66-114*			
Surrogate: Toluene-d8	*48*			*ug/L*	*50.0*		*96*	*63-118*			

LCS (9C25006-BS1) Prepared: 03/25/2009 10:12 Analyzed: 03/25/2009 14:27

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	22		1.0	ug/L	20.0		108	64-133			
Benzene	21		1.0	ug/L	20.0		106	79-129			
Chlorobenzene	21		1.0	ug/L	20.0		103	79-121			
Toluene	22		1.0	ug/L	20.0		111	77-120			
Trichloroethene	21		1.0	ug/L	20.0		103	78-118			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*93*	*61-118*			
Surrogate: Dibromofluoromethane	*46*			*ug/L*	*50.0*		*93*	*66-114*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*95*	*63-118*			

Matrix Spike (9C25006-MS1) Prepared: 03/25/2009 10:12 Analyzed: 03/25/2009 14:55

Source: C903595-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.30 U	95	64-133			
Benzene	19		1.0	ug/L	20.0	0.17 U	95	79-129			
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	94	79-121			
Toluene	20		1.0	ug/L	20.0	0.20 U	101	77-120			
Trichloroethene	18		1.0	ug/L	20.0	0.27 U	91	78-118			
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*86*	*61-118*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*66-114*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*63-118*			

Matrix Spike Dup (9C25006-MSD1) Prepared: 03/25/2009 10:12 Analyzed: 03/25/2009 15:23

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C25006 - EPA 5035_MS

Matrix Spike Dup (9C25006-MSD1) Continued Prepared: 03/25/2009 10:12 Analyzed: 03/25/2009 15:23

Source: C903595-08

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.30 U	97	64-133	2	23	
Benzene	19		1.0	ug/L	20.0	0.17 U	96	79-129	1	23	
Chlorobenzene	19		1.0	ug/L	20.0	0.17 U	96	79-121	2	25	
Toluene	21		1.0	ug/L	20.0	0.20 U	103	77-120	2	23	
Trichloroethene	19		1.0	ug/L	20.0	0.27 U	94	78-118	4	24	
Surrogate: 4-Bromofluorobenzene	*43*			*ug/L*	*50.0*		*87*	*61-118*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*84*	*66-114*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*63-118*			

Batch 9C26007 - EPA 5035_MS

Blank (9C26007-BLK1) Prepared: 03/26/2009 08:54 Analyzed: 03/27/2009 12:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.00016	U	0.0010	mg/kg wet							
1,1,1-Trichloroethane	0.00018	U	0.0010	mg/kg wet							
1,1,2,2-Tetrachloroethane	0.00020	U	0.0010	mg/kg wet							
1,1,2-Trichloroethane	0.00023	U	0.0010	mg/kg wet							
1,1-Dichloroethane	0.00025	U	0.0010	mg/kg wet							
1,1-Dichloroethene	0.00030	U	0.0010	mg/kg wet							
1,1-Dichloropropene	0.00032	U	0.0010	mg/kg wet							
1,2,3-Trichlorobenzene	0.00021	U	0.0010	mg/kg wet							
1,2,3-Trichloropropane	0.00034	U	0.0010	mg/kg wet							
1,2,4-Trichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2,4-Trimethylbenzene	0.00017	U	0.0010	mg/kg wet							
1,2-Dibromo-3-chloropropane	0.00079	U	0.0010	mg/kg wet							
1,2-Dibromoethane	0.00046	U	0.0010	mg/kg wet							
1,2-Dichlorobenzene	0.00027	U	0.0010	mg/kg wet							
1,2-Dichloroethane	0.00038	U	0.0010	mg/kg wet							
1,2-Dichloropropane	0.00026	U	0.0010	mg/kg wet							
1,3,5-Trimethylbenzene	0.00020	U	0.0010	mg/kg wet							
1,3-Dichlorobenzene	0.00022	U	0.0010	mg/kg wet							
1,3-Dichloropropane	0.00029	U	0.0010	mg/kg wet							
1,4-Dichlorobenzene	0.00020	U	0.0010	mg/kg wet							
2,2-Dichloropropane	0.00023	U	0.0010	mg/kg wet							
2-Butanone	0.00078	U	0.0050	mg/kg wet							
2-Chloroethyl Vinyl Ether	0.00049	U	0.0050	mg/kg wet							
2-Chlorotoluene	0.00018	U	0.0010	mg/kg wet							
2-Hexanone	0.00075	U	0.0050	mg/kg wet							
4-Chlorotoluene	0.00026	U	0.0010	mg/kg wet							
4-Isopropyltoluene	0.00016	U	0.0010	mg/kg wet							
4-Methyl-2-pentanone	0.00057	U	0.0050	mg/kg wet							
Acetone	0.0012	U	0.0050	mg/kg wet							
Benzene	0.00017	U	0.0010	mg/kg wet							
Bromobenzene	0.00022	U	0.0010	mg/kg wet							
Bromochloromethane	0.00041	U	0.0010	mg/kg wet							
Bromodichloromethane	0.00024	U	0.0010	mg/kg wet							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26007 - EPA 5035_MS

Blank (9C26007-BLK1) Continued Prepared: 03/26/2009 08:54 Analyzed: 03/27/2009 12:25

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Bromoform	0.00045	U	0.0010	mg/kg wet							
Bromomethane	0.00023	U	0.0010	mg/kg wet							
Carbon disulfide	0.00039	U	0.0050	mg/kg wet							
Carbon Tetrachloride	0.00022	U	0.0010	mg/kg wet							
Chlorobenzene	0.00017	U	0.0010	mg/kg wet							
Chloroethane	0.00025	U	0.0010	mg/kg wet							
Chloroform	0.00017	U	0.0010	mg/kg wet							
Chloromethane	0.00015	U	0.0010	mg/kg wet							
cis-1,2-Dichloroethene	0.00023	U	0.0010	mg/kg wet							
cis-1,3-Dichloropropene	0.00013	U	0.0010	mg/kg wet							
Dibromochloromethane	0.00035	U	0.0010	mg/kg wet							
Dibromomethane	0.00031	U	0.0010	mg/kg wet							
Dichlorodifluoromethane	0.00045	U	0.0010	mg/kg wet							
Ethylbenzene	0.00020	U	0.0010	mg/kg wet							
Hexachlorobutadiene	0.00035	U	0.0010	mg/kg wet							
Isopropylbenzene	0.00015	U	0.0010	mg/kg wet							
m,p-Xylenes	0.00037	U	0.0020	mg/kg wet							
Methylene Chloride	0.00056	U	0.0010	mg/kg wet							
Methyl-tert-Butyl Ether	0.00030	U	0.0010	mg/kg wet							
Naphthalene	0.00024	U	0.0010	mg/kg wet							
n-Butyl Benzene	0.00022	U	0.0010	mg/kg wet							
n-Propyl Benzene	0.00018	U	0.0010	mg/kg wet							
o-Xylene	0.00022	U	0.0010	mg/kg wet							
sec-Butylbenzene	0.00022	U	0.0010	mg/kg wet							
Styrene	0.00017	U	0.0010	mg/kg wet							
tert-Butylbenzene	0.00016	U	0.0010	mg/kg wet							
Tetrachloroethene	0.00028	U	0.0010	mg/kg wet							
Toluene	0.00020	U	0.0010	mg/kg wet							
trans-1,2-Dichloroethene	0.00037	U	0.0010	mg/kg wet							
trans-1,3-Dichloropropene	0.00039	U	0.0010	mg/kg wet							
Trichloroethene	0.00027	U	0.0010	mg/kg wet							
Trichlorofluoromethane	0.00026	U	0.0010	mg/kg wet							
Vinyl chloride	0.00024	U	0.0010	mg/kg wet							
Xylenes (Total)	0.00056	U	0.0020	mg/kg wet							
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*61-118*			
Surrogate: Dibromofluoromethane	*42*			*ug/L*	*50.0*		*85*	*66-114*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*63-118*			

LCS (9C26007-BS1) Prepared: 03/26/2009 08:54 Analyzed: 03/27/2009 12:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0		101	64-133			
Benzene	20		1.0	ug/L	20.0		102	79-129			
Chlorobenzene	21		1.0	ug/L	20.0		104	79-121			
Toluene	23		1.0	ug/L	20.0		113	77-120			
Trichloroethene	20		1.0	ug/L	20.0		98	78-118			
Surrogate: 4-Bromofluorobenzene	*47*			*ug/L*	*50.0*		*94*	*61-118*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*66-114*			

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26007 - EPA 5035_MS

LCS (9C26007-BS1) Continued Prepared: 03/26/2009 08:54 Analyzed: 03/27/2009 12:54

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Toluene-d8	*46*			*ug/L*	*50.0*		*91*	*63-118*			

Matrix Spike (9C26007-MS1) Prepared: 03/26/2009 08:54 Analyzed: 03/27/2009 13:22

Source: C903595-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	19		1.0	ug/L	20.0	0.30 U	96	64-133			
Benzene	19		1.0	ug/L	20.0	0.17 U	97	79-129			
Chlorobenzene	20		1.0	ug/L	20.0	0.17 U	102	79-121			
Toluene	22		1.0	ug/L	20.0	0.20 U	108	77-120			
Trichloroethene	19		1.0	ug/L	20.0	0.27 U	97	78-118			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*61-118*			
Surrogate: Dibromofluoromethane	*43*			*ug/L*	*50.0*		*85*	*66-114*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*63-118*			

Matrix Spike Dup (9C26007-MSD1) Prepared: 03/26/2009 08:54 Analyzed: 03/27/2009 13:50

Source: C903595-10

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	20		1.0	ug/L	20.0	0.30 U	98	64-133	2	23	
Benzene	20		1.0	ug/L	20.0	0.17 U	102	79-129	5	23	
Chlorobenzene	21		1.0	ug/L	20.0	0.17 U	105	79-121	3	25	
Toluene	22		1.0	ug/L	20.0	0.20 U	112	77-120	3	23	
Trichloroethene	20		1.0	ug/L	20.0	0.27 U	99	78-118	3	24	
Surrogate: 4-Bromofluorobenzene	*49*			*ug/L*	*50.0*		*98*	*61-118*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*87*	*66-114*			
Surrogate: Toluene-d8	*47*			*ug/L*	*50.0*		*95*	*63-118*			

Batch 9C26015 - EPA 5030B_MS

Blank (9C26015-BLK1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1,1,2-Tetrachloroethane	0.40	U	1.0	ug/L							
1,1,1-Trichloroethane	0.27	U	1.0	ug/L							
1,1,2,2-Tetrachloroethane	0.33	U	1.0	ug/L							
1,1,2-Trichloroethane	0.37	U	1.0	ug/L							
1,1-Dichloroethane	0.33	U	1.0	ug/L							
1,1-Dichloroethene	0.24	U	1.0	ug/L							
1,1-Dichloropropene	0.32	U	1.0	ug/L							
1,2,3-Trichlorobenzene	0.25	U	1.0	ug/L							
1,2,3-Trichloropropane	0.55	U	1.0	ug/L							
1,2,4-Trichlorobenzene	0.36	U	1.0	ug/L							
1,2,4-Trimethylbenzene	0.20	U	1.0	ug/L							
1,2-Dibromo-3-chloropropane	0.48	U	1.0	ug/L							
1,2-Dibromoethane	0.42	U	1.0	ug/L							
1,2-Dichlorobenzene	0.27	U	1.0	ug/L							

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Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26015 - EPA 5030B_MS

Blank (9C26015-BLK1) Continued Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2-Dichloroethane	0.65	U	1.0	ug/L							
1,2-Dichloropropane	0.20	U	1.0	ug/L							
1,3,5-Trimethylbenzene	0.25	U	1.0	ug/L							
1,3-Dichlorobenzene	0.30	U	1.0	ug/L							
1,3-Dichloropropane	0.32	U	1.0	ug/L							
1,4-Dichlorobenzene	0.38	U	1.0	ug/L							
2,2-Dichloropropane	0.55	U	1.0	ug/L							
2-Butanone	1.0	U	5.0	ug/L							
2-Chloroethyl Vinyl Ether	0.94	U	1.0	ug/L							
2-Chlorotoluene	0.20	U	1.0	ug/L							
2-Hexanone	0.69	U	5.0	ug/L							
4-Chlorotoluene	0.25	U	1.0	ug/L							
4-Isopropyltoluene	0.26	U	1.0	ug/L							
4-Methyl-2-pentanone	1.1	U	5.0	ug/L							
Acetone	1.5	U	5.0	ug/L							
Benzene	0.20	U	1.0	ug/L							
Bromobenzene	0.28	U	1.0	ug/L							
Bromochloromethane	0.42	U	1.0	ug/L							
Bromodichloromethane	0.37	U	1.0	ug/L							
Bromoform	0.71	U	1.0	ug/L							
Bromomethane	0.49	U	1.0	ug/L							
Carbon disulfide	0.54	U	5.0	ug/L							
Carbon tetrachloride	0.38	U	1.0	ug/L							
Chlorobenzene	0.27	U	1.0	ug/L							
Chloroethane	0.30	U	1.0	ug/L							
Chloroform	0.20	U	1.0	ug/L							
Chloromethane	0.34	U	1.0	ug/L							
cis-1,2-Dichloroethene	0.36	U	1.0	ug/L							
cis-1,3-Dichloropropene	0.28	U	1.0	ug/L							
Dibromochloromethane	0.32	U	1.0	ug/L							
Dibromomethane	0.37	U	1.0	ug/L							
Dichlorodifluoromethane	0.38	U	1.0	ug/L							
Ethanol	26	U	50	ug/L							
Ethylbenzene	0.20	U	1.0	ug/L							
Hexachlorobutadiene	0.35	U	1.0	ug/L							
Isopropylbenzene	0.24	U	1.0	ug/L							
m,p-Xylenes	0.48	U	2.0	ug/L							
Methylene chloride	0.53	U	2.0	ug/L							
Methyl-tert-Butyl Ether	0.38	U	1.0	ug/L							
Naphthalene	0.39	U	1.0	ug/L							
n-Butyl Benzene	0.20	U	1.0	ug/L							
n-Propyl Benzene	0.30	U	1.0	ug/L							
o-Xylene	0.27	U	1.0	ug/L							
sec-Butylbenzene	0.24	U	1.0	ug/L							
Styrene	0.26	U	1.0	ug/L							
tert-Butylbenzene	0.28	U	1.0	ug/L							
Tetrachloroethene	0.36	U	1.0	ug/L							
Toluene	0.27	U	1.0	ug/L							
trans-1,2-Dichloroethene	0.34	U	1.0	ug/L							

QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26015 - EPA 5030B_MS

Blank (9C26015-BLK1) Continued Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 10:35

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
trans-1,3-Dichloropropene	0.38	U	1.0	ug/L							
Trichloroethene	0.38	U	1.0	ug/L							
Trichlorofluoromethane	0.28	U	1.0	ug/L							
Vinyl chloride	0.30	U	1.0	ug/L							
Xylenes (Total)	0.40	U	1.0	ug/L							
Surrogate: 4-Bromofluorobenzene	*44*			*ug/L*	*50.0*		*88*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*90*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

LCS (9C26015-BS1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 11:05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	21		1.0	ug/L	20.0		106	75-133			
Benzene	21		1.0	ug/L	20.0		106	81-134			
Chlorobenzene	18		1.0	ug/L	20.0		90	83-117			
Toluene	19		1.0	ug/L	20.0		94	71-118			
Trichloroethene	18		1.0	ug/L	20.0		90	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*45*			*ug/L*	*50.0*		*89*	*68-117*			
Surrogate: Toluene-d8	*45*			*ug/L*	*50.0*		*90*	*69-110*			

Matrix Spike (9C26015-MS1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 11:35

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	26		1.0	ug/L	20.0	0.24 U	131	75-133			
Benzene	26		1.0	ug/L	20.0	0.64	125	81-134			
Chlorobenzene	21		1.0	ug/L	20.0	0.27 U	104	83-117			
Toluene	21		1.0	ug/L	20.0	0.27 U	107	71-118			
Trichloroethene	24		1.0	ug/L	20.0	3.1	102	75-115			
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*91*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*43*			*ug/L*	*50.0*		*86*	*69-110*			

Matrix Spike Dup (9C26015-MSD1) Prepared: 03/26/2009 10:03 Analyzed: 03/26/2009 12:05

Source: C903307-04

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,1-Dichloroethene	23		1.0	ug/L	20.0	0.24 U	116	75-133	12	20	
Benzene	24		1.0	ug/L	20.0	0.64	119	81-134	5	17	
Chlorobenzene	19		1.0	ug/L	20.0	0.27 U	96	83-117	8	16	
Toluene	21		1.0	ug/L	20.0	0.27 U	103	71-118	4	17	
Trichloroethene	22		1.0	ug/L	20.0	3.1	95	75-115	6	18	
Surrogate: 4-Bromofluorobenzene	*46*			*ug/L*	*50.0*		*92*	*51-122*			
Surrogate: Dibromofluoromethane	*44*			*ug/L*	*50.0*		*88*	*68-117*			
Surrogate: Toluene-d8	*44*			*ug/L*	*50.0*		*88*	*69-110*			

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QUALITY CONTROL

Volatile Organic Compounds by GCMS - Quality Control

Batch 9C26015 - EPA 5030B_MS

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C25037 - EPA 3550B_MS

Blank (9C25037-BLK1) Prepared: 03/25/2009 20:02 Analyzed: 03/27/2009 10:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	0.033	U	0.33	mg/kg wet							
1,2-Dichlorobenzene	0.033	U	0.33	mg/kg wet							
1,3-Dichlorobenzene	0.037	U	0.33	mg/kg wet							
1,4-Dichlorobenzene	0.034	U	0.33	mg/kg wet							
1-Methylnaphthalene	0.033	U	0.33	mg/kg wet							
2,4,5-Trichlorophenol	0.033	U	0.33	mg/kg wet							
2,4,6-Trichlorophenol	0.033	U	0.33	mg/kg wet							
2,4-Dichlorophenol	0.033	U	0.33	mg/kg wet							
2,4-Dimethylphenol	0.033	U	0.33	mg/kg wet							
2,4-Dinitrophenol	0.050	U	0.33	mg/kg wet							
2,4-Dinitrotoluene	0.033	U	0.33	mg/kg wet							
2,6-Dinitrotoluene	0.033	U	0.33	mg/kg wet							
2-Chloronaphthalene	0.033	U	0.33	mg/kg wet							
2-Chlorophenol	0.033	U	0.33	mg/kg wet							
2-Methyl-4,6-dinitrophenol	0.036	U	0.33	mg/kg wet							
2-Methylnaphthalene	0.033	U	0.33	mg/kg wet							
2-Methylphenol	0.035	U	0.33	mg/kg wet							
2-Nitroaniline	0.14	U	0.33	mg/kg wet							
2-Nitrophenol	0.038	U	0.33	mg/kg wet							
3 & 4-Methylphenol	0.033	U	0.66	mg/kg wet							
3,3'-Dichlorobenzidine	0.098	U	0.33	mg/kg wet							
3-Nitroaniline	0.036	U	0.33	mg/kg wet							
4-Bromophenyl-phenylether	0.033	U	0.33	mg/kg wet							
4-Chloro-3-methylphenol	0.033	U	0.33	mg/kg wet							
4-Chloroaniline	0.093	U	0.33	mg/kg wet							
4-Chlorophenyl-phenylether	0.033	U	0.33	mg/kg wet							
4-Nitroaniline	0.050	U	0.33	mg/kg wet							
4-Nitrophenol	0.042	U	0.33	mg/kg wet							
Acenaphthene	0.033	U	0.33	mg/kg wet							
Acenaphthylene	0.033	U	0.33	mg/kg wet							
Anthracene	0.033	U	0.33	mg/kg wet							
Benzidine	0.11	U	0.33	mg/kg wet							
Benzo(a)anthracene	0.033	U	0.33	mg/kg wet							
Benzo(a)pyrene	0.033	U	0.33	mg/kg wet							
Benzo(b)fluoranthene	0.039	U	0.33	mg/kg wet							
Benzo(g,h,i)perylene	0.034	U	0.33	mg/kg wet							
Benzo(k)fluoranthene	0.041	U	0.33	mg/kg wet							
Benzoic acid	0.066	U	1.7	mg/kg wet							
Benzyl alcohol	0.033	U	0.33	mg/kg wet							
Bis(2-chloroethoxy)methane	0.033	U	0.33	mg/kg wet							
Bis(2-chloroethyl)ether	0.034	U	0.33	mg/kg wet							
Bis(2-chloroisopropyl)ether	0.033	U	0.33	mg/kg wet							
Bis(2-ethylhexyl)phthalate	0.20	U	0.33	mg/kg wet							
Butylbenzylphthalate	0.045	U	0.33	mg/kg wet							
Chrysene	0.034	U	0.33	mg/kg wet							

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C25037 - EPA 3550B_MS

Blank (9C25037-BLK1) Continued Prepared: 03/25/2009 20:02 Analyzed: 03/27/2009 10:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Dibenzo(a,h)anthracene	0.033	U	0.33	mg/kg wet							
Dibenzofuran	0.033	U	0.33	mg/kg wet							
Diethylphthalate	0.033	U	0.33	mg/kg wet							
Dimethylphthalate	0.033	U	0.33	mg/kg wet							
Di-n-butylphthalate	0.039	U	0.33	mg/kg wet							
Di-n-octylphthalate	0.043	U	0.33	mg/kg wet							
Fluoranthene	0.033	U	0.33	mg/kg wet							
Fluorene	0.033	U	0.33	mg/kg wet							
Hexachlorobenzene	0.034	U	0.33	mg/kg wet							
Hexachlorobutadiene	0.034	U	0.33	mg/kg wet							
Hexachlorocyclopentadiene	0.041	U	0.33	mg/kg wet							
Hexachloroethane	0.033	U	0.33	mg/kg wet							
Indeno(1,2,3-cd)pyrene	0.034	U	0.33	mg/kg wet							
Isophorone	0.033	U	0.33	mg/kg wet							
Naphthalene	0.033	U	0.33	mg/kg wet							
Nitrobenzene	0.034	U	0.33	mg/kg wet							
N-Nitrosodimethylamine	0.033	U	0.33	mg/kg wet							
N-Nitroso-di-n-propylamine	0.033	U	0.33	mg/kg wet							
N-Nitrosodiphenylamine/Diphenylamine	0.033	U	0.33	mg/kg wet							
Pentachlorophenol	0.033	U	0.33	mg/kg wet							
Phenanthrene	0.033	U	0.33	mg/kg wet							
Phenol	0.033	U	0.33	mg/kg wet							
Pyrene	0.033	U	0.33	mg/kg wet							
Pyridine	0.082	U	0.33	mg/kg wet							
Surrogate: 2,4,6-Tribromophenol	*2.3*			*mg/kg wet*	*3.33*		*70*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.4*			*mg/kg wet*	*1.67*		*84*	*56-120*			
Surrogate: 2-Fluorophenol	*2.3*			*mg/kg wet*	*3.33*		*70*	*49-126*			
Surrogate: Nitrobenzene-d5	*1.4*			*mg/kg wet*	*1.67*		*81*	*50-117*			
Surrogate: Phenol-d5	*2.5*			*mg/kg wet*	*3.33*		*74*	*56-120*			
Surrogate: Terphenyl-d14	*1.2*			*mg/kg wet*	*1.67*		*75*	*36-151*			

LCS (9C25037-BS1) Prepared: 03/25/2009 20:02 Analyzed: 03/27/2009 11:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1.3		0.33	mg/kg wet	1.67		77	51-121			
1,4-Dichlorobenzene	1.3		0.33	mg/kg wet	1.67		76	48-118			
2,4-Dinitrotoluene	1.5		0.33	mg/kg wet	1.67		92	63-127			
2-Chlorophenol	1.5		0.33	mg/kg wet	1.67		90	56-120			
4-Chloro-3-methylphenol	1.6		0.33	mg/kg wet	1.67		97	59-121			
4-Nitrophenol	1.4		0.33	mg/kg wet	1.67		82	0-200			
Acenaphthene	1.4		0.33	mg/kg wet	1.67		81	55-126			
N-Nitroso-di-n-propylamine	1.4		0.33	mg/kg wet	1.67		84	55-135			
Pentachlorophenol	1.1		0.33	mg/kg wet	1.67		69	0-200			
Phenol	1.4		0.33	mg/kg wet	1.67		83	54-121			
Pyrene	1.4		0.33	mg/kg wet	1.67		85	45-146			
Surrogate: 2,4,6-Tribromophenol	*3.4*			*mg/kg wet*	*3.33*		*103*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.4*			*mg/kg wet*	*1.67*		*86*	*56-120*			
Surrogate: 2-Fluorophenol	*2.6*			*mg/kg wet*	*3.33*		*79*	*49-126*			

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QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C25037 - EPA 3550B_MS

LCS (9C25037-BS1) Continued Prepared: 03/25/2009 20:02 Analyzed: 03/27/2009 11:12

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Surrogate: Nitrobenzene-d5	*1.5*			*mg/kg wet*	*1.67*		*87*	*50-117*			
Surrogate: Phenol-d5	*2.7*			*mg/kg wet*	*3.33*		*82*	*56-120*			
Surrogate: Terphenyl-d14	*1.4*			*mg/kg wet*	*1.67*		*82*	*36-151*			

Matrix Spike (9C25037-MS1) Prepared: 03/25/2009 20:02 Analyzed: 03/27/2009 12:12

Source: C902859-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1.6		0.42	mg/kg dry	2.13	0.042 U	75	51-121			
1,4-Dichlorobenzene	1.6		0.42	mg/kg dry	2.13	0.043 U	74	48-118			
2,4-Dinitrotoluene	2.0		0.42	mg/kg dry	2.13	0.042 U	92	63-127			
2-Chlorophenol	1.9		0.42	mg/kg dry	2.13	0.042 U	88	56-120			
4-Chloro-3-methylphenol	2.1		0.42	mg/kg dry	2.13	0.042 U	96	59-121			
4-Nitrophenol	1.7		0.42	mg/kg dry	2.13	0.054 U	80	0-200			
Acenaphthene	1.7		0.42	mg/kg dry	2.13	0.042 U	82	55-126			
N-Nitroso-di-n-propylamine	1.7		0.42	mg/kg dry	2.13	0.042 U	81	55-135			
Pentachlorophenol	1.4		0.42	mg/kg dry	2.13	0.042 U	68	0-200			
Phenol	1.8		0.42	mg/kg dry	2.13	0.042 U	84	54-121			
Pyrene	1.8		0.42	mg/kg dry	2.13	0.042 U	87	45-146			
Surrogate: 2,4,6-Tribromophenol	*4.0*			*mg/kg dry*	*4.25*		*93*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.9*			*mg/kg dry*	*2.13*		*87*	*56-120*			
Surrogate: 2-Fluorophenol	*3.3*			*mg/kg dry*	*4.25*		*78*	*49-126*			
Surrogate: Nitrobenzene-d5	*1.8*			*mg/kg dry*	*2.13*		*83*	*50-117*			
Surrogate: Phenol-d5	*3.4*			*mg/kg dry*	*4.25*		*80*	*56-120*			
Surrogate: Terphenyl-d14	*1.7*			*mg/kg dry*	*2.13*		*82*	*36-151*			

Matrix Spike Dup (9C25037-MSD1) Prepared: 03/25/2009 20:02 Analyzed: 03/27/2009 12:42

Source: C902859-05

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
1,2,4-Trichlorobenzene	1.6		0.42	mg/kg dry	2.13	0.042 U	77	51-121	2	10	
1,4-Dichlorobenzene	1.6		0.42	mg/kg dry	2.13	0.043 U	77	48-118	4	13	
2,4-Dinitrotoluene	1.9		0.42	mg/kg dry	2.13	0.042 U	91	63-127	1	10	
2-Chlorophenol	1.9		0.42	mg/kg dry	2.13	0.042 U	90	56-120	2	11	
4-Chloro-3-methylphenol	2.0		0.42	mg/kg dry	2.13	0.042 U	96	59-121	0.2	10	
4-Nitrophenol	1.7		0.42	mg/kg dry	2.13	0.054 U	82	0-200	2	200	
Acenaphthene	1.7		0.42	mg/kg dry	2.13	0.042 U	81	55-126	1	10	
N-Nitroso-di-n-propylamine	1.7		0.42	mg/kg dry	2.13	0.042 U	82	55-135	2	10	
Pentachlorophenol	1.5		0.42	mg/kg dry	2.13	0.042 U	73	0-200	7	200	
Phenol	1.8		0.42	mg/kg dry	2.13	0.042 U	85	54-121	0.7	13	
Pyrene	1.8		0.42	mg/kg dry	2.13	0.042 U	86	45-146	0.4	14	
Surrogate: 2,4,6-Tribromophenol	*4.1*			*mg/kg dry*	*4.25*		*95*	*28-130*			
Surrogate: 2-Fluorobiphenyl	*1.8*			*mg/kg dry*	*2.13*		*85*	*56-120*			
Surrogate: 2-Fluorophenol	*3.4*			*mg/kg dry*	*4.25*		*79*	*49-126*			
Surrogate: Nitrobenzene-d5	*1.8*			*mg/kg dry*	*2.13*		*85*	*50-117*			
Surrogate: Phenol-d5	*3.4*			*mg/kg dry*	*4.25*		*80*	*56-120*			
Surrogate: Terphenyl-d14	*1.7*			*mg/kg dry*	*2.13*		*82*	*36-151*			

QUALITY CONTROL

Semivolatile Organic Compounds by GCMS - Quality Control

Batch 9C25037 - EPA 3550B_MS

Tentatively Identified Compounds by Semivolatile GCMS - Quality Control

Batch 9C25037 - EPA 3550B_MS

Blank (9C25037-BLK1) Prepared: 03/25/2009 20:02 Analyzed: 03/27/2009 10:42

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
3-Penten-2-ol	**0.41**	**J**		mg/kg wet							
Ethane, 1,1,2,2-tetrachloro-	**0.45**	**J**		mg/kg wet							
Ethane, 1,1,2-trichloro-	**0.17**	**J**		mg/kg wet							
Toluene	**0.17**	**J**		mg/kg wet							
Unknown	**0.14**	**J**		mg/kg wet							
Unknown Concentrati	**0.15**	**J**		mg/kg wet							

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25030 - EPA 3050B

Blank (9C25030-BLK1) Prepared: 03/25/2009 15:23 Analyzed: 03/26/2009 14:36

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	0.24	U	0.50	mg/kg wet							
Barium	0.084	U	0.500	mg/kg wet							
Cadmium	0.006	U	0.050	mg/kg wet							
Chromium	0.03	U	0.50	mg/kg wet							
Lead	**0.07**	**J**	0.50	mg/kg wet							
Selenium	0.28	U	0.50	mg/kg wet							
Silver	0.05	U	0.50	mg/kg wet							

LCS (9C25030-BS1) Prepared: 03/25/2009 15:23 Analyzed: 03/26/2009 14:38

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	23.7		0.50	mg/kg wet	25.0		95	80-120			
Barium	24.2		0.500	mg/kg wet	25.0		97	80-120			
Cadmium	11.7		0.050	mg/kg wet	12.5		94	80-120			
Chromium	24.2		0.50	mg/kg wet	25.0		97	80-120			
Lead	24.5	B	0.50	mg/kg wet	25.0		98	80-120			
Selenium	23.8		0.50	mg/kg wet	25.0		95	80-120			
Silver	2.38		0.50	mg/kg wet	2.50		95	80-120			

Matrix Spike (9C25030-MS1) Prepared: 03/25/2009 15:23 Analyzed: 03/26/2009 14:50

Source: C903681-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	35.1		0.71	mg/kg dry	35.7	0.34 U	98	75-125			
Barium	89.6		0.713	mg/kg dry	35.7	52.5	104	75-125			
Cadmium	17.0		0.071	mg/kg dry	17.8	0.009 U	95	75-125			
Chromium	36.4		0.71	mg/kg dry	35.7	1.16	99	75-125			
Lead	36.6	B	0.71	mg/kg dry	35.7	0.54	101	75-125			
Selenium	35.8		0.71	mg/kg dry	35.7	0.80	98	75-125			
Silver	3.37		0.71	mg/kg dry	3.57	0.08 U	95	75-125			

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QUALITY CONTROL

Metals by EPA 6000/7000 Series Methods - Quality Control

Batch 9C25030 - EPA 3050B

Matrix Spike Dup (9C25030-MSD1) Prepared: 03/25/2009 15:23 Analyzed: 03/26/2009 14:52

Source: C903681-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Arsenic	34.9		0.71	mg/kg dry	35.7	0.34 U	98	75-125	0.6	25	
Barium	90.7		0.713	mg/kg dry	35.7	52.5	107	75-125	1	25	
Cadmium	16.9		0.071	mg/kg dry	17.8	0.009 U	95	75-125	0.4	25	
Chromium	36.1		0.71	mg/kg dry	35.7	1.16	98	75-125	0.9	25	
Lead	36.1	B	0.71	mg/kg dry	35.7	0.54	100	75-125	1	25	
Selenium	35.5		0.71	mg/kg dry	35.7	0.80	97	75-125	1	25	
Silver	3.35		0.71	mg/kg dry	3.57	0.08 U	94	75-125	0.9	25	

Batch 9C25036 - EPA 7471A

Blank (9C25036-BLK1) Prepared: 03/25/2009 16:38 Analyzed: 03/27/2009 12:03

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.005	U	0.01	mg/kg wet							

LCS (9C25036-BS1) Prepared: 03/25/2009 16:38 Analyzed: 03/27/2009 12:06

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.25		0.01	mg/kg wet	0.250		99	85-115			

Matrix Spike (9C25036-MS1) Prepared: 03/25/2009 16:38 Analyzed: 03/27/2009 12:12

Source: C903681-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.36		0.01	mg/kg dry	0.357	0.02	96	85-115			

Matrix Spike Dup (9C25036-MSD1) Prepared: 03/25/2009 16:38 Analyzed: 03/27/2009 12:14

Source: C903681-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.36		0.01	mg/kg dry	0.357	0.02	98	85-115	1	15	

Post Spike (9C25036-PS1) Prepared: 03/25/2009 16:38 Analyzed: 03/27/2009 12:17

Source: C903049-01

Analyte	Result	Flag	MRL	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Mercury	0.006		0.0002	mg/L	0.00500	0.00008	109	75-125			

FLAGS/NOTES AND DEFINITIONS

B	The analyte was detected in the associated method blank.
D	The sample was analyzed at dilution.
J	The reported value is between the laboratory method detection limit (MDL) and the laboratory method reporting limit (MRL), adjusted for actual sample preparation data and moisture content, where applicable.
U	The analyte was analyzed for but not detected to the level shown, adjusted for actual sample preparation data and moisture content, where applicable.
E	The concentration indicated for this analyte is an estimated value above the calibration range of the instrument. This value is considered an estimate.
MRL	Method Reporting Limit. The MRL is roughly equivalent to the practical quantitation limit (PQL) and is based on the low point of the calibration curve, when applicable, sample preparation factor, dilution factor, and, in the case of soil samples, moisture content.
QB-01	The method blank had a positive result for the analyte; however, the concentration in the method blank is less than 10% of the sample result, which minimizes the impact of the deviation.

ENVIRONMENTAL CONSERVATION LABORATORIES CHAIN-OF-CUSTODY RECORD

10775 Central Port Dr.
Orlando, FL 32824
(407) 826-5314 Fax (407) 850-6945

4810 Executive Park Court, Suite 211
Jacksonville, FL 32216-6069
(904) 296-3007 Fax (904) 296-6210

1829-A Woodwards Industrial Ct.
Cary, NC 27511
(919) 467-3090 Fax (919) 467-3515

Page 1 of 1

Client Name: ECS - Wilmington (EA026)	Project Number: (none)
Address: 7211 Ogden Business Park Suite 201	Project Name/Desc: Wrightsville Avenue REC
City/State/Zip: Wilmington, NC 28411	PO # / Bill to Info
Tel: (910) 686-9111 Fax:	Reporting Contact: Amy Condias
Sample(s) Name, Affiliation (Print): Lee Ann Jones, ECS	Billing Contact: Amy Condias
Sample(s) Signature: Lee ann Jones	Fax (if Required)

Requested Analyses: %Solids; %Solids,8270C,Ag,Cd,Cr,Hg,Pb,Se; 8260B; As,Ba

Requested Turnaround Times: Note: Rush requests subject to acceptance by the facility. X Standard ___ Expedited Due ___/___/___

Lab Workorder: C903049

Preservation (See Codes) (Combine as necessary)

Item #	Sample ID (Field Identification)	Collection Date	Collection Time	Comp / Grab	Matrix (See codes)	Total # of Containers	%Solids	%Solids,8270C,Ag,Cd,Cr,Hg,Pb,Se	8260B	As,Ba							Sample Comments
	S-1	3/24/09	10:05	G	SO	4		X	X	X							
	S-2	↓	11:10	↓	SO	4		X	X	X							
	S-3		11:25		SO	4		X	X	X							
	S-4		11:40		SO	4		X	X	X							
	S-5		11:45		SO	4		X	X	X							
	S-6		12:50		SO	4		X	X	X							
	S-7		13:30		SO	4		X	X	X							
	Duplicate		11:50		SO	4		X	X	X							
					SO	4		X	X	X							
	Trip Blank	↓		↓	SO	2	X		X								

← Total # of Containers

Sample(s) Relinquished By	Date/Time	Relinquished By	Date/Time	Received By	Date/Time
CC	03/24/09	Lee ann Jones	3/24/09 16:00		
Comments		Relinquished By	Date/Time	Received By	Date/Time
		Relinquished By	Date/Time	Received By: Briana Hegney	Date/Time: 3/25/09 10:30
		Condition & Temp on Receipt: C-433 ; 4°C		Condition Upon Receipt: X Acceptable ___ Unacceptable	

Matrix: GW-Groundwater SO-Soil SE-Sediment SW-Surface Water WW-Wastewater Air O-Other (detail in comments)

Preservation: Non HNO3 H2SO4 NaOH O-Other (detail in comments)

Note: All samples certified to EPA 20 data are in accordance with the terms and conditions listed on the reverse side of this form, unless otherwise specified in comments area.

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APPENDIX D – FIELD NOTES

3/24/09 Lee Ann Jones 9:00AM 50°F sunny
Wrightsville Ave Soil & GW sampling
Driller: Walt w/ SEI

SOIL SAMPLING

Sample ID : S-1 start @ 9:45am

Depth	FID reading	
1	0.0	gray/tan sand
2	0.0	black/brown sand
3	0.0	dark gray sand (ash?)
4	0.0	sample taken " "
5	0.0	brown/tan sand
6	0.0	black/tan sand
7	0.0	tan/lt. gray sand
8	0.0	lt. gray sand
9	0.0	" "
10	0.0	" "

@ 9 ft

sample time: 10:05am

Sample ID: S-2 start @ 10:35am

Depth	FID	sample time: 11:10 am
1	0.0	black/brown sand
2	0.0	black/brown/red sand
3	0.0	black/tan sand
4	0.0	sample taken " "
5	0.0	black/tan sand
6	0.0	" "
7	0.0	reddish/tan/gray sand
8	0.0	✝ encountered, yellowtan siltysand
9	0.0	" "
10	0.0	" "

Sample ID: S-3 start @ 11:00am

Depth	FID	sample time: 11:15am
1	0.0	black sand
2	0.0	" "
3	0.0	dark gray/brown sand
4	0.0	sample taken - tan sand
5	0.0	" ", black streaking
6	0.0	reddish/brown sand w/ black
7	0.0	" "
8	0.0	✝ " ", little gray
9	0.0	tan/gray sand
10	0.0✝	" "
	Jumped to 0.7 @ beginning	

Sample ID: S-4 start @ 11:25am

Depth	FID	sample time: 11:40am
1	00.	black/brown silty sand
2	0.0	tan sand
3	0.0	reddish/tan clayey sand
4	0.0	" "
5	0.0	" " lighter
6	1.6	sample taken " " black streaking
7	0.0	gray/tan sand
8	0.0	" "
9	1.0	✝ " "
10	0.1	" "

Sample ID: S-5 start @ 11:45am

Depth	FID	sample time: 12:25pm
1	0.0	brown silty sand
2	0.0	reddish tan silty sand
3	0.0	" "
4	0.0	" "
5	0.0	gray/tan sand
6	0.0	tan sand
7	0.0	" "
8	0.0	tan clayey sand
9	0.0	✝ gray/tan sand
10	0.6	sample taken gray sand

✝ DUPLICATE TAKEN ✝

Sample ID: S-6 start @ 12:15pm

Sample Time: 12:50pm

Depth	FID	
1	0.0	Grey sand
2	0.0	Brown/Black sand
3	0.4	red/brown clayey sand
4	0.0	red/tan " "
5	0.0	tan sand
6	0.0	" " black streaking
7	0.0	lt grey/white sand
8	0.0	" "
9	3.8	sample taken " "
10	0.0	↓, red/gray sand

Sample ID: S-7 start @ 1:00pm

Depth	FID	
1	2.1	salt & pepper silty sand
2	0.0	red/brown sand
3	9.6	sample taken " " sand/clay black streaking
4	0.0	tan sand
5	0.0	light tan sand
6	0.0	lt grey/white sand
7	0.0	" ", black streaking
8	0.0	↓ " "
9	X	X
10	X	X

GROUNDWATER SAMPLING

well S-2 installed @ 11am
DTB: 20 ft
DTW: 9.17 ft
Purged: 3.5 gallons
Sample Time: 1:55pm
pH: 6.20 cond: 0.31 temp: 19.5°C

well S-5 installed @ 12:15pm
DTB: 20 ft
DTW: 9.54 ft
Purged: 2.5 gllns
Sample Time: 2:25pm
pH: 6.35 cond: 0.55 temp: 17.4°C
↳ DUPLICATE *

well S-6 installed @ 12:45pm
DTB: 20 ft
DTW: 11.03 ft
Purged: 2 gallons
sample time: 3:00pm
pH: 6.26 cond: 0.26 temp: 17.2°C

Surveying Station	BS (+)	HI	FS (-)	Elevation
Benchmark	4.98	4.93		
TW-S2			3.10/3.80	
TW-S5			4.30/4.98	
TW-S6			2.60/3.30	

APPENDIX E – CERTIFICATION DOCUMENTS

North Carolina Department of Environment
and Natural Resources
Division of Waste Management
Superfund Section
Inactive Hazardous Sites Branch

REMEDIATING PARTY CERTIFICATION STATEMENT (.0306(b)(2)):

"I certify under penalty of law that I have personally examined and am familiar with the information contained in this submittal, including any and all documents accompanying this certification, and that, based on my inquiry of those individuals immediately responsible for obtaining the information, the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

Stephen E. Pike
(Name of Remediating Party Official)

* Stephen E Pike
(Signature of Remediating Party Official)

* 6/11/09
Date

** NOTE: The RSM certifies all documents LAST. Failure to do so is a violation of 15A NCAC 13C .0306(b)(2) of the REC Rules and subject to possible enforcement action against the REC and/or RSM.*

North Carolina (Enter State)

Orange **COUNTY**

I, Judith P. DuVal, a Notary Public of said County and State, do hereby certify that Stephen E. Pike did personally appear and sign before me this day, produced proper identification in the form of personally known, was duly sworn or affirmed, and declared that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 11th day of June, 2009

Judith P. DuVal
Notary Public (signature)

(OFFICIAL SEAL)

JUDITH P. DUVAL NOTARY PUBLIC DURHAM COUNTY, N.C.

My commission expires: 10/07/2013

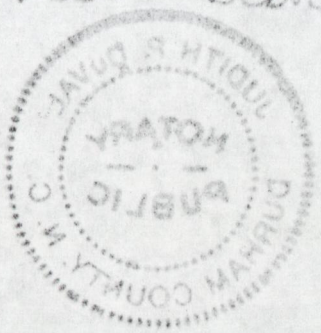
Form G - I

Carolina Division of Waste Management DWM Educating today for a cleaner tomorrow wastenotnc.org

Doris Geolias
George
Judith P. Davis
Stephen E. Pike

Personally known

Judith P. Davis
10/01/2013



North Carolina Department of Environment
and Natural Resources
Division of Waste Management
Superfund Section
Inactive Hazardous Sites Branch

REGISTERED SITE MANAGER CERTIFICATION STATEMENT (.0306(b)(1)):

"I certify under penalty of law that I am personally familiar with the information contained in this submittal, including any and all supporting documents accompanying this certification, and that the material and information contained herein is, to the best of my knowledge and belief, true, accurate and complete and complies with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq, and the remedial action program Rules 15A NCAC 13C .0300. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information."

STEPHEN J. GOSSELIN
(Name of Registered Site Managerl)

* _____ * 6/18/09
(Signature of Registered Site Manager) Date

** NOTE: The RSM certifies all documents LAST. Failure to do so is a violation of 15A NCAC 13C .0306(b)(2) of the REC Rules and subject to possible enforcement action against the REC and/or RSM.*

North Carolina (Enter State)

Mecklenburg **COUNTY**

I, Alissa Allman, a Notary Public of said County and State, do hereby certify that Stephen J. Gosselin did personally appear and sign before me this day, produced proper identification in the form of drivers license, was duly sworn or affirmed, and declared that, he or she is the duly authorized environmental consultant of the remediating party of the property referenced above and that, to the best of his or her knowledge and belief, after thorough investigation, the information contained in the above certification is true and accurate, and he or she then signed this Certification in my presence.

WITNESS my hand and official seal this 25th day of June, 2009.

Alissa Allman
Notary Public (signature)

My commission expires: 03/13/2013.

ALISSA ALLMAN NOTARY PUBLIC MECKLENBURG COUNTY, N. C.

(OFFICIAL SEAL)

North Carolina Division of Waste Management DWM Educating today for a cleaner tomorrow wastenotnc.org

North Carolina Department of Environment
and Natural Resources
Division of Waste Management
Superfund Section
Inactive Hazardous Sites Branch

PHASE I REMEDIAL INVESTIGATION COMPLETION CERTIFICATION 15A NCAC 13C.0306(b)(5)(A)

Media (check all that apply): All Media____ Soil X Ground water X Surface water____ Sediment____

Site Name: Wrightsville Avenue — Street Address: 2501, 2503, 2507, 2509 Wrightsville Ave.

County: New Hanover — Wilmington, North Carolina

Site ID No.: NONCD0002799

The Phase I remedial investigation, which is the subject of this certification has, to the best of my knowledge, been completed in compliance with the Inactive Hazardous Sites Response Act G.S. 130A-310, et seq. and the remedial action program Rules 15A NCAC 13C .0300, and

ENGINEERING CONSULTING SERVICES, LTD.
[REC Name]

is in compliance with Rules .0305(b)(2) and .0305(b)(3), of this section. I am aware that there are significant penalties for willfully submitting false, inaccurate or incomplete information.

RSM Signature — Date: 6/18/09

RSM Name: STEPHEN J. GOSSELIN

REC Name: ENGINEERING CONSULTING SERVICES, LTD — Mailing Address: 9001 GLENWOOD AVE

REC No.: 00047 — City, State, ZIP: RALEIGH NC 27617

North Carolina (Enter State)
Mecklenburg COUNTY

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Alissa Allman
Notary Public (signature)

(OFFICIAL SEAL)

ALISSA ALLMAN NOTARY PUBLIC MECKLENBURG COUNTY, N.C.

My commission expires: 03/13/2013.

Form G - III

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