PASCO COUNTY, FLORIDA

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NEW PORT RICHEY (727) 847-8145

UTILITIES SERVICES BRANCH
PUB. WKS./UTILITIES BLDG. S-213
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

20 Jan 2012

Ms. Susan Pelz
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637

Dept. Of Environmental Protection
JAN 25 2012
Southwest District

RE: Pasco County Resource Recovery
GWM Resample
Semester II, 2011 (W Pasco CTL)

Dear Ms. Pelz:

This submittal is for the Semester II, 2011 groundwater monitoring well 4MW3A resample at the Pasco County Resource Recovery site. This well was resampled for vinyl chloride which was below the detectable limit in this analysis.

If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

cc: Aamode Sonawane, CDM, Westshore Center Suite 875, 1715 North Westshore BLvd., Tampa, Fl 33607
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
John Power, Solid Waste Facility Manager

SOUTHERN ANALYTICAL LABORATORIES, INC.
110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 FAX 813-855-2218

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

December 21, 2011
Work Order: 1111161
Revised Report

Laboratory Report

Project Name	**PASCO COUNTY RESOURCE RECOVERY**
Sample Description	**4MW-3A 19670**
Matrix	**Groundwater**
SAL Sample Number	**1111161-01**
Date/Time Collected	**11/29/11 10:24**
Collected by	**Client**
Date/Time Received	**11/30/11 13:30**

Parameters	Units	Results *	Method	PQL	MDL	Prepared	Analyzed	By
Volatile Organic Compounds								
Vinyl chloride	ug/L	0.3 U	EPA 8260	1.6	0.3		12/02/11 18:22	JRW

FDOH Laboratory No.E84129
NELAP Accredited

Francis I. Daniels, Laboratory Director
Leslie C. Boardman, Q.A. Manager

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* Qualifiers, Notes and Definitions

Results followed by a "U" indicate that the sample was analyzed but the compound was not detected. Results followed by "I" indicate that the reported value is between the laboratory method detection limts and the laboratory practical quantitation limit.

A statement of estimated uncertainty of test results is available upon request.

For methods marked with **, all QC criteria have been met for this method which is equivalent to a SAL certified method.

Test results in this report meet all the requirements of the NELAC standards. Any applicable qualifiers are shown below. Questions regarding this report should be directed to Client Services at 813-855-1844.

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW3A RS1	DATE:	November 29, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				26.70	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	44.00	STATIC WATER:	26.7	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	11.245

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0930	1006	16.87

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1006	11.25	11.25	0.32	26.70	7.27	22.76	330	1.04	0.0	CLEAR	NONE
1015	2.81	14.06	0.32	26.70	7.18	22.83	332	0.94	0.0	CLEAR	NONE
1024	2.81	16.87	0.32	26.70	7.14	22.60	332	0.65	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1024
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW3A RS1	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
4MW3A RS1	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
4MW3A RS1	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
4MW3A RS1	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)			BP
4MW3A RS1	2	CG	40	NONE	NONE	N/A	APP.I (8011)			BP
4MW3A RS1	3	CG	40	HCL	NONE	<2	APP.I (8260)			BP
4MW3A RS1	1	CG	40	NONE	NONE	N/A	TRIP BLANK			O
REMARKS	**NGVD=26.22**	RESAMPLE FOR VINYL CHLORIDES; TRIP BLANK PREPARED BY SAL.								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) Optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

SOUTHERN ANALYTICAL LABORATORIES, INC.

110 BAYVIEW BOULEVARD, OLDSMAR, FL 34677 813-855-1844 fax 813-855-2218

SAL Project No. 111161

Client Name: Pasco County Env. Lab. — Pasco Co Utilities

Contact / Phone: Candia Mulhem 727-847-8902

Project Name / Location: ~~Appendix I Analyses~~ Vinyl Chlorides

Samplers: (Signature) Wilfred Martin

Matrix Codes: DW-Drinking Water WW-Wastewater SW-SurfaceWater SL-Sludge SO-Soil GW-Groundwater SA-Saline Water O-Other R-Reagent Water

PARAMETER / CONTAINER DESCRIPTION

SAL Use Only Sample No.	Sample Description	Date	Time	Matrix	Composite	Grab	~~250 mL P, HNO3 * Ag, As, Ba, Be, Cd, Cr, Co, Cu, Ni, Pb, Sb, Se, Tl, V, Zn~~	40 mL Vials, HCl 8260 App.I Volatiles (MM 11/29/11)	40 mL Vials, Cool 8011Organics ** (DBCP, EDB only)						No. of Containers (Total per each location)
01	4MW-3A RS2 @ Res. Rec.	11/29/11	1024	GW		X	1	3	~~3~~						6 ~~7~~ MM 11/29/11
02	Trip Blank	11/21/11	1200	R		X		1							1 ~~2~~ 11/29/11

Containers Prepared/ Relinquished:	Date/Time:	Received:	Date/Time:
YB	1500 11/21/11	W. Martin	0700 11/29/11
	1530 11/29/11	KS	15:30 11/29/11
	13:00 11-30	David E. Wolfe	13:00 11-30-11
David E. Wolfe	13:30 11-30-11		

Seal intact? Y N (N/A)
Samples intact upon arrival? (Y) N N/A
Received on ice? Temp_____ (Y) N N/A
Proper preservatives indicated? Y N (N/A)
Rec'd within holding time? (Y) N N/A
Volatiles rec'd w/out headspace? (Y) N N/A
Proper containers used? (Y) N N/A

Instructions / Remarks: This is a resample for Vinyl Chlorides.

Sent to SAL 11/30/11 KS

Chain of Custody.xls
Rev.Date 11/19/01

Chain of Custody

Pelz, Susan

From: Candia Mulhern [cmulhern@pascocountyfl.net]
Sent: Thursday, May 12, 2011 11:06 AM
To: Moore, Clark B.
Cc: Pelz, Susan; Robert Sigmond
Subject: RE: July, 2010 data for WACS Facility ID: 45799, Pasco County Resource Recovery
Attachments: 45799_201007_2_swldd_ErrorLog.txt; 45799_201007_2_swfdd.txt; 45799_201007_2_swldd.txt; 2010_07_20_Sulfide_Field_Logs.pdf

Hi Clark!

I have attached the field logs for the July 20 sampling. Also I ran ADaPT just for July 20 and am attaching those files. I don't know if this helps or not. I can rerun the whole month if you need me to. Please advise

Candia E. Mulhern
Laboratory Manager
Pasco County Env. Lab
8864 Government Dr.
New Port Richey, Fl 34654
phone: (727) 847-8902
fax: (727) 847-8112
cmulhern@pascocountyfl.net

From: Moore, Clark B. [mailto:Clark.B.Moore@dep.state.fl.us]
Sent: Tuesday, May 03, 2011 4:09 PM
To: Candia Mulhern; Morris, John R.; Pelz, Susan
Cc: Martin, Lee; Olayiwola, Tayo; Wennerberg, Jolie; Ray, Steve
Subject: July, 2010 data for WACS Facility ID: 45799, Pasco County Resource Recovery

Candia et al,

I am trying to finish evaluating, processing and uploading the data for this sampling event.
For the data submitted to the department the ClientSampleID in the lab EDD did not match the WACS_Testsite_Ids in the field EDD and the DateCollected information in the lab EDD did not match the format of the Date_Sampled field in the field EDD.
I have re-worked the ADaPT EDDs submitted for the July, 2010 sampling event for this facility.
I have attached these files with the copy of the Groundwater Monitoring Report we have for 45799, Pasco County Resource Recovery.

When I export this data to WACS I receive the following errors.

Error Code	Error Description
06	WACS_Testsite_Name: 4MW-1 with Date_Sampled: 7/13/2010 10:42 in the Field EDD are not reported as ClientSampleID and End_Date_Collected in the Lab EDD. Make sure date/time formats and values match between both EDDs.
06	ClientSampleID: '2MW-27D RE' and End_Date_Collected: '7/20/2010 14:00' in lab EDD not reported as WACS_Testsite_Name with same Date_Sampled in Field EDD. Make sure date/time formats values match between both EDDs.

07	Client_Sample_ID: '4MW-27 RE' and End_Date_Collected: '7/20/2010 13:20' in lab EDD not reported as WACS_Testsite_Name with same Date_Sampled in Field EDD. Make sure date/time formats values match between both EDDs.
07	Client_Sample_ID: '4MW-27D RE' and End_Date_Collected: '7/20/2010 11:48' in lab EDD not reported as WACS_Testsite_Name with same Date_Sampled in Field EDD. Make sure date/time formats values match between both EDDs.

Here is how the lab EDD and field EDD match up.

WACS_Testsite_Name	Date_Sampled	ClientSampleId	DateCollected
2MW-27D	7/1/2010 12:30:00PM	2MW-27D	7/1/2010 12:30
		2MW-27D RE	7/20/2010 14:00
		2MW-27D REDUP	7/20/2010 14:00
4MW-1	7/13/2010 10:42:00AM		
4MW-27	7/1/2010 1:38:00PM	4MW-27	7/1/2010 13:38
		4MW-27 RE	7/20/2010 13:20
4MW-27D	7/1/2010 2:00:00PM	4MW-27D	7/1/2010 14:00
		4MW-27D RE	7/20/2010 11:48
		Trip blank (07/01/10)	7/1/2010 8:00

You report field measured parameters for 4MW-1 on 7/13/2010 but there are no lab EDD records corresponding to the field measured parameters reported.
Do you have lab results for 4MW-1?
Was this well purged and no samples taken?

I noticed the Re-sampling on 7/20/2010 was for Sulfide.
Any time a sample is taken the well should be purged and field parameters measured.
We are missing field parameters for the three samples that were re-sampled on 7/20/2010.
I looked at the 476 page GWMR and near the end I find Groundwater Sampling logs for 7/1/2010 and 7/13/2010 but there several blank pages in the PDF where I would expect to find the sampling logs for 7/20/2010.

There are Chain-of-Custody forms for both 7/1/2010 and 7/20/2010.

I will process and upload the data but I wonder if you do have field measured parameters for the three samples collected on 7/20/2010.
If you do please email them to us.

Thank you.

Clark Moore
Florida Department of Environmental Protection
Bureau of Solid and Hazardous Waste
MS 4565
2600 Blairstone Rd., Room 358K
Tallahassee, FL 32399-2400
Phone: (850) 245-8739 voicemail
FAX: (850) 245-8811
Clark.b.moore@dep.state.fl.us

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Herschel T. Vinyard Jr. is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey. Thank you in advance for completing the survey.

PLEASE NOTE: Florida has a very broad public records law. Most written communications to or from state owned e-mail accounts are considered to be public records and will be made available to the public or the media upon request. Therefore, your e-mail messages may be subject to public disclosure.

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CUSA18A7

PASCO COUNTY, FLORIDA

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UTILITIES SERVICES BRANCH
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19 May 2011

Mr. John Morris
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637

Dept. of Environmental Protection
MAY 23 2011
Southwest District

RE: Pasco County Resource Recovery
Groundwater Monitoring
New Well Resampling

Dear Mr. Morris

This submittal is for the resampling of the new groundwater wells associated with Cell A4 at the Pasco County Resource Recovery site. Included in this submittal are:

1. Analytical Results
2. Chain of Custody Forms
3. Water levels, water elevation table.
4. Field sampling reports
5. Water Quality Monitoring Certification Forms

The Lab and Field EDD's as well as supporting documentation have been submitted to the department as well.

If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

cc: Aamode Sonawane, CDM, Westshore Center Suite 875, 1715 North Westshore BLvd., Tampa, Fl 33607
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
John Power, Solid Waste Facility Manager

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

Dept. of Environmental Protection
MAY 23 2011
Southwest District

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name PASCO COUNTY RESOURCE RECOVERY

Address 14230 HAYS RD.

City SPRING HILL Zip 34610 County PASCO

Telephone Number (727) 856-0119

(2) WACS Facility ID 45799

(3) DEP Permit Number

(4) Authorized Representative's Name Candia E. Mulhern Title Laboratory Manager

Address 8864 Government Dr.

City New Port Richey Zip 34654 County PASCO

Telephone Number (727) 847-8902

Email address (if available) cmulhern@pascocountyfl.net

CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submission of false information including the possibility of fine and imprisonment.

19 May 2011 (Date)

Candia E. Mulhern (Owner or Authorized Representative's Signature)

Digitally signed by Candia E. Mulhern
DN: cn=Candia E. Mulhern, o=Pasco County, ou=Environmental Laboratory, email=cmulhern@pascocountyfl.net, c=US
Date: 2011.05.19 10:47:34 -04'00'

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Pasco County Utilities Environmental Laboratory

Analytical Lab NELAC / HRS Certification # E44123

Lab Name Pasco County Utilities Environmental Laboratory

Address 8864 Government Dr.

Phone Number (727) 847-8902

Email address (if available) cchildress@pascocountyfl.net

Pace Analytical®
www.pacelabs.com

Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

Dept. of Environmental Protection
MAY 23 2011
Southwest District

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-24S **Lab ID: 3528901001** Collected: 04/07/11 09:53 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:14	83-32-9	
Acenaphthylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:14	208-96-8	
Acetophenone	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 08:14	98-86-2	
2-Acetylaminofluorene	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:14	53-96-3	
4-Aminobiphenyl	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 08:14	92-67-1	
Anthracene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:14	120-12-7	
Benzo(a)anthracene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:14	56-55-3	
Benzo(a)pyrene	**0.13U**	ug/L	0.95	0.13	1	04/12/11 21:55	04/21/11 08:14	50-32-8	
Benzo(b)fluoranthene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 08:14	205-99-2	
Benzo(g,h,i)perylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:14	191-24-2	
Benzo(k)fluoranthene	**0.10U**	ug/L	3.8	0.10	1	04/12/11 21:55	04/21/11 08:14	207-08-9	
Benzyl alcohol	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 08:14	100-51-6	
4-Bromophenylphenyl ether	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:14	101-55-3	
Butylbenzylphthalate	**1.9U**	ug/L	4.8	1.9	1	04/12/11 21:55	04/21/11 08:14	85-68-7	
4-Chloro-3-methylphenol	**0.29U**	ug/L	19.1	0.29	1	04/12/11 21:55	04/21/11 08:14	59-50-7	
4-Chloroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:14	106-47-8	
bis(2-Chloroethoxy)methane	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	111-91-1	
bis(2-Chloroethyl) ether	**0.20U**	ug/L	3.8	0.20	1	04/12/11 21:55	04/21/11 08:14	111-44-4	
bis(2-Chloroisopropyl) ether	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 08:14	108-60-1	
2-Chloronaphthalene	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 08:14	91-58-7	
2-Chlorophenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	95-57-8	
4-Chlorophenylphenyl ether	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 08:14	7005-72-3	
Chrysene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:14	218-01-9	
Diallate	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 08:14	2303-16-4	
Dibenz(a,h)anthracene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 08:14	53-70-3	
Dibenzofuran	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	132-64-9	
1,2-Dichlorobenzene	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 08:14	95-50-1	
1,3-Dichlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 08:14	541-73-1	
1,4-Dichlorobenzene	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 08:14	106-46-7	
3,3'-Dichlorobenzidine	**0.19U**	ug/L	9.5	0.19	1	04/12/11 21:55	04/21/11 08:14	91-94-1	
2,4-Dichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 08:14	120-83-2	
2,6-Dichlorophenol	**0.22U**	ug/L	3.8	0.22	1	04/12/11 21:55	04/21/11 08:14	87-65-0	
Diethylphthalate	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:14	84-66-2	
P-Dimethylaminoazobenzene	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 08:14	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 08:14	57-97-6	
3,3'-Dimethylbenzidine	**0.59U**	ug/L	9.5	0.59	1	04/12/11 21:55	04/21/11 08:14	119-93-7	
2,4-Dimethylphenol	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 08:14	105-67-9	
Dimethylphthalate	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 08:14	131-11-3	
Di-n-butylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:14	84-74-2	
4,6-Dinitro-2-methylphenol	**1.4U**	ug/L	19.1	1.4	1	04/12/11 21:55	04/21/11 08:14	534-52-1	
1,3-Dinitrobenzene	**0.30U**	ug/L	7.6	0.30	1	04/12/11 21:55	04/21/11 08:14	99-65-0	
2,4-Dinitrophenol	**1.1U**	ug/L	19.1	1.1	1	04/12/11 21:55	04/21/11 08:14	51-28-5	
2,4-Dinitrotoluene	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 08:14	121-14-2	
2,6-Dinitrotoluene	**0.21U**	ug/L	1.9	0.21	1	04/12/11 21:55	04/21/11 08:14	606-20-2	
Di-n-octylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:14	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.92U**	ug/L	4.8	0.92	1	04/12/11 21:55	04/21/11 08:14	117-81-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-24S **Lab ID: 3528901001** Collected: 04/07/11 09:53 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Ethyl methanesulfonate	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 08:14	62-50-0	
Fluoranthene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:14	206-44-0	
Fluorene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:14	86-73-7	
Hexachlorobenzene	**0.18U**	ug/L	0.95	0.18	1	04/12/11 21:55	04/21/11 08:14	118-74-1	
Hexachlorocyclopentadiene	**1.0U**	ug/L	4.8	1.0	1	04/12/11 21:55	04/21/11 08:14	77-47-4	
Hexachloroethane	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 08:14	67-72-1	
Hexachloropropene	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 08:14	1888-71-7	
Indeno(1,2,3-cd)pyrene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 08:14	193-39-5	
Isodrin	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 08:14	465-73-6	
Isophorone	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	78-59-1	
Isosafrole	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 08:14	120-58-1	1p
Kepone	**5.0U**	ug/L	20.0	5.0	1	04/12/11 21:55	04/21/11 08:14	143-50-0	
Methapyrilene	**0.50U**	ug/L	4.8	0.50	1	04/12/11 21:55	04/21/11 08:14	91-80-5	J(L2)
3-Methylcholanthrene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	56-49-5	
Methyl methanesulfonate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:14	66-27-3	1p
2-Methylnaphthalene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	91-57-6	
2-Methylphenol(o-Cresol)	**1.2U**	ug/L	4.8	1.2	1	04/12/11 21:55	04/21/11 08:14	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.15U**	ug/L	9.5	0.15	1	04/12/11 21:55	04/21/11 08:14		
2-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 08:14	91-59-8	
Naphthalene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:14	91-20-3	
1-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 08:14	134-32-7	
1,4-Naphthoquinone	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 08:14	130-15-4	
2-Nitroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:14	88-74-4	
3-Nitroaniline	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 08:14	99-09-2	
4-Nitroaniline	**1.8U**	ug/L	3.8	1.8	1	04/12/11 21:55	04/21/11 08:14	100-01-6	
Nitrobenzene	**0.39U**	ug/L	3.8	0.39	1	04/12/11 21:55	04/21/11 08:14	98-95-3	
2-Nitrophenol	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 08:14	88-75-5	
4-Nitrophenol	**0.74U**	ug/L	19.1	0.74	1	04/12/11 21:55	04/21/11 08:14	100-02-7	
5-Nitro-o-toluidine	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	99-55-8	
N-Nitrosodiethylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 08:14	55-18-5	
N-Nitrosodimethylamine	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 08:14	62-75-9	
N-Nitroso-di-n-butylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 08:14	924-16-3	
N-Nitroso-di-n-propylamine	**0.25U**	ug/L	3.8	0.25	1	04/12/11 21:55	04/21/11 08:14	621-64-7	
N-Nitrosodiphenylamine	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 08:14	86-30-6	
N-Nitrosomethylethylamine	**0.32U**	ug/L	4.8	0.32	1	04/12/11 21:55	04/21/11 08:14	10595-95-6	
N-Nitrosopiperidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:14	100-75-4	
N-Nitrosopyrrolidine	**0.21U**	ug/L	4.8	0.21	1	04/12/11 21:55	04/21/11 08:14	930-55-2	
O,O,O-Triethylphosphorothioate	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 08:14	126-68-1	
Pentachlorobenzene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:14	608-93-5	
Phenacetin	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:14	62-44-2	
Phenanthrene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 08:14	85-01-8	
Phenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:14	108-95-2	
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	1	04/12/11 21:55	04/21/11 08:14	106-50-3	
Pronamide	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:14	23950-58-5	
Pyrene	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 08:14	129-00-0	
Safrole	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 08:14	94-59-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-24S **Lab ID: 3528901001** Collected: 04/07/11 09:53 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 08:14	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 08:14	58-90-2	
Thionazin	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 08:14	297-97-2	
O-Toluidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:14	95-53-4	
2,4,5-Trichlorophenol	**0.16U**	ug/L	3.8	0.16	1	04/12/11 21:55	04/21/11 08:14	95-95-4	
2,4,6-Trichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 08:14	88-06-2	
1,3,5-Trinitrobenzene	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 08:14	99-35-4	
Nitrobenzene-d5 (S)	52	%	10-110		1	04/12/11 21:55	04/21/11 08:14	4165-60-0	
2-Fluorobiphenyl (S)	68	%	18-110		1	04/12/11 21:55	04/21/11 08:14	321-60-8	
Terphenyl-d14 (S)	64	%	10-123		1	04/12/11 21:55	04/21/11 08:14	1718-51-0	
Phenol-d6 (S)	17	%	10-110		1	04/12/11 21:55	04/21/11 08:14	13127-88-3	
2-Fluorophenol (S)	30	%	18-110		1	04/12/11 21:55	04/21/11 08:14	367-12-4	
2,4,6-Tribromophenol (S)	67	%	10-110		1	04/12/11 21:55	04/21/11 08:14	118-79-6	
8270 MSSV PAH by SCAN	Analytical Method: EPA 8270 by SCAN Preparation Method: EPA 3510								
Acenaphthene	**0.029U**	ug/L	0.98	0.029	1	04/13/11 19:15	04/14/11 19:17	83-32-9	
Acenaphthylene	**0.049U**	ug/L	2.0	0.049	1	04/13/11 19:15	04/14/11 19:17	208-96-8	
Anthracene	**0.049U**	ug/L	0.98	0.049	1	04/13/11 19:15	04/14/11 19:17	120-12-7	
Benzo(a)anthracene	**0.059U**	ug/L	0.20	0.059	1	04/13/11 19:15	04/14/11 19:17	56-55-3	
Benzo(a)pyrene	**0.049U**	ug/L	0.20	0.049	1	04/13/11 19:15	04/14/11 19:17	50-32-8	
Benzo(b)fluoranthene	**0.049U**	ug/L	0.098	0.049	1	04/13/11 19:15	04/14/11 19:17	205-99-2	
Benzo(g,h,i)perylene	**0.059U**	ug/L	0.98	0.059	1	04/13/11 19:15	04/14/11 19:17	191-24-2	
Benzo(k)fluoranthene	**0.039U**	ug/L	0.25	0.039	1	04/13/11 19:15	04/14/11 19:17	207-08-9	
Chrysene	**0.059U**	ug/L	0.98	0.059	1	04/13/11 19:15	04/14/11 19:17	218-01-9	
Dibenz(a,h)anthracene	**0.049U**	ug/L	0.20	0.049	1	04/13/11 19:15	04/14/11 19:17	53-70-3	
Fluoranthene	**0.059U**	ug/L	0.98	0.059	1	04/13/11 19:15	04/14/11 19:17	206-44-0	
Fluorene	**0.029U**	ug/L	0.98	0.029	1	04/13/11 19:15	04/14/11 19:17	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.039U**	ug/L	0.15	0.039	1	04/13/11 19:15	04/14/11 19:17	193-39-5	
1-Methylnaphthalene	**0.088U**	ug/L	1.5	0.088	1	04/13/11 19:15	04/14/11 19:17	90-12-0	
2-Methylnaphthalene	**0.059U**	ug/L	1.5	0.059	1	04/13/11 19:15	04/14/11 19:17	91-57-6	
Naphthalene	**0.079U**	ug/L	0.98	0.079	1	04/13/11 19:15	04/14/11 19:17	91-20-3	
Phenanthrene	**0.049U**	ug/L	0.98	0.049	1	04/13/11 19:15	04/14/11 19:17	85-01-8	
Pyrene	**0.059U**	ug/L	0.98	0.059	1	04/13/11 19:15	04/14/11 19:17	129-00-0	
2-Fluorobiphenyl (S)	68	%	43.9-113		1	04/13/11 19:15	04/14/11 19:17	321-60-8	
Terphenyl-d14 (S)	92	%	24.8-144		1	04/13/11 19:15	04/14/11 19:17	1718-51-0	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-24D **Lab ID: 3528901002** Collected: 04/07/11 10:53 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:45	83-32-9	
Acenaphthylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:45	208-96-8	
Acetophenone	**1.5U**	ug/L	4.8	1.5	1	04/12/11 21:55	04/21/11 08:45	98-86-2	
2-Acetylaminofluorene	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:45	53-96-3	
4-Aminobiphenyl	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 08:45	92-67-1	
Anthracene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:45	120-12-7	
Benzo(a)anthracene	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 08:45	56-55-3	
Benzo(a)pyrene	**0.13U**	ug/L	0.96	0.13	1	04/12/11 21:55	04/21/11 08:45	50-32-8	
Benzo(b)fluoranthene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 08:45	205-99-2	
Benzo(g,h,i)perylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:45	191-24-2	
Benzo(k)fluoranthene	**0.11U**	ug/L	3.8	0.11	1	04/12/11 21:55	04/21/11 08:45	207-08-9	
Benzyl alcohol	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 08:45	100-51-6	
4-Bromophenylphenyl ether	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:45	101-55-3	
Butylbenzylphthalate	**1.9U**	ug/L	4.8	1.9	1	04/12/11 21:55	04/21/11 08:45	85-68-7	
4-Chloro-3-methylphenol	**0.29U**	ug/L	19.2	0.29	1	04/12/11 21:55	04/21/11 08:45	59-50-7	
4-Chloroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:45	106-47-8	
bis(2-Chloroethoxy)methane	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	111-91-1	
bis(2-Chloroethyl) ether	**0.20U**	ug/L	3.8	0.20	1	04/12/11 21:55	04/21/11 08:45	111-44-4	
bis(2-Chloroisopropyl) ether	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 08:45	108-60-1	
2-Chloronaphthalene	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 08:45	91-58-7	
2-Chlorophenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	95-57-8	
4-Chlorophenylphenyl ether	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 08:45	7005-72-3	
Chrysene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:45	218-01-9	
Diallate	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 08:45	2303-16-4	
Dibenz(a,h)anthracene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 08:45	53-70-3	
Dibenzofuran	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	132-64-9	
1,2-Dichlorobenzene	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 08:45	95-50-1	
1,3-Dichlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 08:45	541-73-1	
1,4-Dichlorobenzene	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 08:45	106-46-7	
3,3'-Dichlorobenzidine	**0.19U**	ug/L	9.6	0.19	1	04/12/11 21:55	04/21/11 08:45	91-94-1	
2,4-Dichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 08:45	120-83-2	
2,6-Dichlorophenol	**0.22U**	ug/L	3.8	0.22	1	04/12/11 21:55	04/21/11 08:45	87-65-0	
Diethylphthalate	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:45	84-66-2	
P-Dimethylaminoazobenzene	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 08:45	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	57-97-6	
3,3'-Dimethylbenzidine	**0.60U**	ug/L	9.6	0.60	1	04/12/11 21:55	04/21/11 08:45	119-93-7	
2,4-Dimethylphenol	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 08:45	105-67-9	
Dimethylphthalate	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 08:45	131-11-3	
Di-n-butylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:45	84-74-2	
4,6-Dinitro-2-methylphenol	**1.4U**	ug/L	19.2	1.4	1	04/12/11 21:55	04/21/11 08:45	534-52-1	
1,3-Dinitrobenzene	**0.31U**	ug/L	7.7	0.31	1	04/12/11 21:55	04/21/11 08:45	99-65-0	
2,4-Dinitrophenol	**1.1U**	ug/L	19.2	1.1	1	04/12/11 21:55	04/21/11 08:45	51-28-5	
2,4-Dinitrotoluene	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 08:45	121-14-2	
2,6-Dinitrotoluene	**0.21U**	ug/L	1.9	0.21	1	04/12/11 21:55	04/21/11 08:45	606-20-2	
Di-n-octylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:45	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.93U**	ug/L	4.8	0.93	1	04/12/11 21:55	04/21/11 08:45	117-81-7	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-24D **Lab ID: 3528901002** Collected: 04/07/11 10:53 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Ethyl methanesulfonate	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 08:45	62-50-0	
Fluoranthene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:45	206-44-0	
Fluorene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:45	86-73-7	
Hexachlorobenzene	**0.18U**	ug/L	0.96	0.18	1	04/12/11 21:55	04/21/11 08:45	118-74-1	
Hexachlorocyclopentadiene	**1.0U**	ug/L	4.8	1.0	1	04/12/11 21:55	04/21/11 08:45	77-47-4	
Hexachloroethane	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 08:45	67-72-1	
Hexachloropropene	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 08:45	1888-71-7	
Indeno(1,2,3-cd)pyrene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 08:45	193-39-5	
Isodrin	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 08:45	465-73-6	
Isophorone	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	78-59-1	
Isosafrole	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 08:45	120-58-1	1p
Kepone	**5.0U**	ug/L	20.0	5.0	1	04/12/11 21:55	04/21/11 08:45	143-50-0	
Methapyrilene	**0.51U**	ug/L	4.8	0.51	1	04/12/11 21:55	04/21/11 08:45	91-80-5	J(L2)
3-Methylcholanthrene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	56-49-5	
Methyl methanesulfonate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 08:45	66-27-3	1p
2-Methylnaphthalene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	91-57-6	
2-Methylphenol(o-Cresol)	**1.2U**	ug/L	4.8	1.2	1	04/12/11 21:55	04/21/11 08:45	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.15U**	ug/L	9.6	0.15	1	04/12/11 21:55	04/21/11 08:45		
2-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 08:45	91-59-8	
Naphthalene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:45	91-20-3	
1-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 08:45	134-32-7	
1,4-Naphthoquinone	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 08:45	130-15-4	
2-Nitroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:45	88-74-4	
3-Nitroaniline	**0.31U**	ug/L	4.8	0.31	1	04/12/11 21:55	04/21/11 08:45	99-09-2	
4-Nitroaniline	**1.8U**	ug/L	3.8	1.8	1	04/12/11 21:55	04/21/11 08:45	100-01-6	
Nitrobenzene	**0.39U**	ug/L	3.8	0.39	1	04/12/11 21:55	04/21/11 08:45	98-95-3	
2-Nitrophenol	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 08:45	88-75-5	
4-Nitrophenol	**0.75U**	ug/L	19.2	0.75	1	04/12/11 21:55	04/21/11 08:45	100-02-7	
5-Nitro-o-toluidine	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	99-55-8	
N-Nitrosodiethylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 08:45	55-18-5	
N-Nitrosodimethylamine	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 08:45	62-75-9	
N-Nitroso-di-n-butylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 08:45	924-16-3	
N-Nitroso-di-n-propylamine	**0.25U**	ug/L	3.8	0.25	1	04/12/11 21:55	04/21/11 08:45	621-64-7	
N-Nitrosodiphenylamine	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	86-30-6	
N-Nitrosomethylethylamine	**0.33U**	ug/L	4.8	0.33	1	04/12/11 21:55	04/21/11 08:45	10595-95-6	
N-Nitrosopiperidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:45	100-75-4	
N-Nitrosopyrrolidine	**0.21U**	ug/L	4.8	0.21	1	04/12/11 21:55	04/21/11 08:45	930-55-2	
O,O,O-Triethylphosphorothioate	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 08:45	126-68-1	
Pentachlorobenzene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:45	608-93-5	
Phenacetin	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:45	62-44-2	
Phenanthrene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	85-01-8	
Phenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 08:45	108-95-2	
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	1	04/12/11 21:55	04/21/11 08:45	106-50-3	
Pronamide	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 08:45	23950-58-5	
Pyrene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 08:45	129-00-0	
Safrole	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 08:45	94-59-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-24D **Lab ID: 3528901002** Collected: 04/07/11 10:53 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 08:45	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 08:45	58-90-2	
Thionazin	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 08:45	297-97-2	
O-Toluidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 08:45	95-53-4	
2,4,5-Trichlorophenol	**0.16U**	ug/L	3.8	0.16	1	04/12/11 21:55	04/21/11 08:45	95-95-4	
2,4,6-Trichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 08:45	88-06-2	
1,3,5-Trinitrobenzene	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 08:45	99-35-4	
Nitrobenzene-d5 (S)	49	%	10-110		1	04/12/11 21:55	04/21/11 08:45	4165-60-0	
2-Fluorobiphenyl (S)	64	%	18-110		1	04/12/11 21:55	04/21/11 08:45	321-60-8	
Terphenyl-d14 (S)	77	%	10-123		1	04/12/11 21:55	04/21/11 08:45	1718-51-0	
Phenol-d6 (S)	18	%	10-110		1	04/12/11 21:55	04/21/11 08:45	13127-88-3	
2-Fluorophenol (S)	31	%	18-110		1	04/12/11 21:55	04/21/11 08:45	367-12-4	
2,4,6-Tribromophenol (S)	61	%	10-110		1	04/12/11 21:55	04/21/11 08:45	118-79-6	
8270 MSSV PAH by SCAN	Analytical Method: EPA 8270 by SCAN Preparation Method: EPA 3510								
Acenaphthene	**0.029U**	ug/L	0.97	0.029	1	04/13/11 19:15	04/14/11 19:36	83-32-9	
Acenaphthylene	**0.049U**	ug/L	1.9	0.049	1	04/13/11 19:15	04/14/11 19:36	208-96-8	
Anthracene	**0.049U**	ug/L	0.97	0.049	1	04/13/11 19:15	04/14/11 19:36	120-12-7	
Benzo(a)anthracene	**0.058U**	ug/L	0.19	0.058	1	04/13/11 19:15	04/14/11 19:36	56-55-3	
Benzo(a)pyrene	**0.049U**	ug/L	0.19	0.049	1	04/13/11 19:15	04/14/11 19:36	50-32-8	
Benzo(b)fluoranthene	**0.049U**	ug/L	0.097	0.049	1	04/13/11 19:15	04/14/11 19:36	205-99-2	
Benzo(g,h,i)perylene	**0.058U**	ug/L	0.97	0.058	1	04/13/11 19:15	04/14/11 19:36	191-24-2	
Benzo(k)fluoranthene	**0.039U**	ug/L	0.24	0.039	1	04/13/11 19:15	04/14/11 19:36	207-08-9	
Chrysene	**0.058U**	ug/L	0.97	0.058	1	04/13/11 19:15	04/14/11 19:36	218-01-9	
Dibenz(a,h)anthracene	**0.049U**	ug/L	0.19	0.049	1	04/13/11 19:15	04/14/11 19:36	53-70-3	
Fluoranthene	**0.058U**	ug/L	0.97	0.058	1	04/13/11 19:15	04/14/11 19:36	206-44-0	
Fluorene	**0.029U**	ug/L	0.97	0.029	1	04/13/11 19:15	04/14/11 19:36	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.039U**	ug/L	0.15	0.039	1	04/13/11 19:15	04/14/11 19:36	193-39-5	
1-Methylnaphthalene	**0.088U**	ug/L	1.5	0.088	1	04/13/11 19:15	04/14/11 19:36	90-12-0	
2-Methylnaphthalene	**0.058U**	ug/L	1.5	0.058	1	04/13/11 19:15	04/14/11 19:36	91-57-6	
Naphthalene	**0.078U**	ug/L	0.97	0.078	1	04/13/11 19:15	04/14/11 19:36	91-20-3	
Phenanthrene	**0.049U**	ug/L	0.97	0.049	1	04/13/11 19:15	04/14/11 19:36	85-01-8	
Pyrene	**0.058U**	ug/L	0.97	0.058	1	04/13/11 19:15	04/14/11 19:36	129-00-0	
2-Fluorobiphenyl (S)	72	%	43.9-113		1	04/13/11 19:15	04/14/11 19:36	321-60-8	
Terphenyl-d14 (S)	88	%	24.8-144		1	04/13/11 19:15	04/14/11 19:36	1718-51-0	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-25D **Lab ID: 3528901003** Collected: 04/07/11 12:20 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	04/12/11 07:05	04/12/11 23:13	7440-38-2	
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:16	83-32-9	
Acenaphthylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:16	208-96-8	
Acetophenone	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 09:16	98-86-2	
2-Acetylaminofluorene	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:16	53-96-3	
4-Aminobiphenyl	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 09:16	92-67-1	
Anthracene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:16	120-12-7	
Benzo(a)anthracene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:16	56-55-3	
Benzo(a)pyrene	**0.13U**	ug/L	0.95	0.13	1	04/12/11 21:55	04/21/11 09:16	50-32-8	
Benzo(b)fluoranthene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 09:16	205-99-2	
Benzo(g,h,i)perylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:16	191-24-2	
Benzo(k)fluoranthene	**0.10U**	ug/L	3.8	0.10	1	04/12/11 21:55	04/21/11 09:16	207-08-9	
Benzyl alcohol	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 09:16	100-51-6	
4-Bromophenylphenyl ether	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:16	101-55-3	
Butylbenzylphthalate	**1.9U**	ug/L	4.8	1.9	1	04/12/11 21:55	04/21/11 09:16	85-68-7	
4-Chloro-3-methylphenol	**0.29U**	ug/L	19.0	0.29	1	04/12/11 21:55	04/21/11 09:16	59-50-7	
4-Chloroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:16	106-47-8	
bis(2-Chloroethoxy)methane	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	111-91-1	
bis(2-Chloroethyl) ether	**0.20U**	ug/L	3.8	0.20	1	04/12/11 21:55	04/21/11 09:16	111-44-4	
bis(2-Chloroisopropyl) ether	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 09:16	108-60-1	
2-Chloronaphthalene	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 09:16	91-58-7	
2-Chlorophenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	95-57-8	
4-Chlorophenylphenyl ether	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 09:16	7005-72-3	
Chrysene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:16	218-01-9	
Diallate	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 09:16	2303-16-4	
Dibenz(a,h)anthracene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 09:16	53-70-3	
Dibenzofuran	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	132-64-9	
1,2-Dichlorobenzene	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 09:16	95-50-1	
1,3-Dichlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 09:16	541-73-1	
1,4-Dichlorobenzene	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 09:16	106-46-7	
3,3'-Dichlorobenzidine	**0.19U**	ug/L	9.5	0.19	1	04/12/11 21:55	04/21/11 09:16	91-94-1	
2,4-Dichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 09:16	120-83-2	
2,6-Dichlorophenol	**0.22U**	ug/L	3.8	0.22	1	04/12/11 21:55	04/21/11 09:16	87-65-0	
Diethylphthalate	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:16	84-66-2	
P-Dimethylaminoazobenzene	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 09:16	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 09:16	57-97-6	
3,3'-Dimethylbenzidine	**0.59U**	ug/L	9.5	0.59	1	04/12/11 21:55	04/21/11 09:16	119-93-7	
2,4-Dimethylphenol	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 09:16	105-67-9	
Dimethylphthalate	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 09:16	131-11-3	
Di-n-butylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:16	84-74-2	
4,6-Dinitro-2-methylphenol	**1.4U**	ug/L	19.0	1.4	1	04/12/11 21:55	04/21/11 09:16	534-52-1	
1,3-Dinitrobenzene	**0.30U**	ug/L	7.6	0.30	1	04/12/11 21:55	04/21/11 09:16	99-65-0	
2,4-Dinitrophenol	**1.1U**	ug/L	19.0	1.1	1	04/12/11 21:55	04/21/11 09:16	51-28-5	
2,4-Dinitrotoluene	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 09:16	121-14-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-25D **Lab ID: 3528901003** Collected: 04/07/11 12:20 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
2,6-Dinitrotoluene	**0.21U**	ug/L	1.9	0.21	1	04/12/11 21:55	04/21/11 09:16	606-20-2	
Di-n-octylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:16	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.92U**	ug/L	4.8	0.92	1	04/12/11 21:55	04/21/11 09:16	117-81-7	
Ethyl methanesulfonate	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 09:16	62-50-0	
Fluoranthene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:16	206-44-0	
Fluorene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:16	86-73-7	
Hexachlorobenzene	**0.18U**	ug/L	0.95	0.18	1	04/12/11 21:55	04/21/11 09:16	118-74-1	
Hexachlorocyclopentadiene	**1.0U**	ug/L	4.8	1.0	1	04/12/11 21:55	04/21/11 09:16	77-47-4	
Hexachloroethane	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 09:16	67-72-1	
Hexachloropropene	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 09:16	1888-71-7	
Indeno(1,2,3-cd)pyrene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 09:16	193-39-5	
Isodrin	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 09:16	465-73-6	
Isophorone	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	78-59-1	
Isosafrole	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 09:16	120-58-1	1p
Kepone	**5.0U**	ug/L	20.0	5.0	1	04/12/11 21:55	04/21/11 09:16	143-50-0	
Methapyrilene	**0.50U**	ug/L	4.8	0.50	1	04/12/11 21:55	04/21/11 09:16	91-80-5	J(L2)
3-Methylcholanthrene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	56-49-5	
Methyl methanesulfonate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:16	66-27-3	1p
2-Methylnaphthalene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	91-57-6	
2-Methylphenol(o-Cresol)	**1.2U**	ug/L	4.8	1.2	1	04/12/11 21:55	04/21/11 09:16	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.15U**	ug/L	9.5	0.15	1	04/12/11 21:55	04/21/11 09:16		
2-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 09:16	91-59-8	
Naphthalene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:16	91-20-3	
1-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 09:16	134-32-7	
1,4-Naphthoquinone	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 09:16	130-15-4	
2-Nitroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:16	88-74-4	
3-Nitroaniline	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 09:16	99-09-2	
4-Nitroaniline	**1.8U**	ug/L	3.8	1.8	1	04/12/11 21:55	04/21/11 09:16	100-01-6	
Nitrobenzene	**0.39U**	ug/L	3.8	0.39	1	04/12/11 21:55	04/21/11 09:16	98-95-3	
2-Nitrophenol	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 09:16	88-75-5	
4-Nitrophenol	**0.74U**	ug/L	19.0	0.74	1	04/12/11 21:55	04/21/11 09:16	100-02-7	
5-Nitro-o-toluidine	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	99-55-8	
N-Nitrosodiethylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 09:16	55-18-5	
N-Nitrosodimethylamine	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 09:16	62-75-9	
N-Nitroso-di-n-butylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 09:16	924-16-3	
N-Nitroso-di-n-propylamine	**0.25U**	ug/L	3.8	0.25	1	04/12/11 21:55	04/21/11 09:16	621-64-7	
N-Nitrosodiphenylamine	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 09:16	86-30-6	
N-Nitrosomethylethylamine	**0.32U**	ug/L	4.8	0.32	1	04/12/11 21:55	04/21/11 09:16	10595-95-6	
N-Nitrosopiperidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:16	100-75-4	
N-Nitrosopyrrolidine	**0.21U**	ug/L	4.8	0.21	1	04/12/11 21:55	04/21/11 09:16	930-55-2	
O,O,O-Triethylphosphorothioate	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 09:16	126-68-1	
Pentachlorobenzene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:16	608-93-5	
Phenacetin	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:16	62-44-2	
Phenanthrene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 09:16	85-01-8	
Phenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:16	108-95-2	
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	1	04/12/11 21:55	04/21/11 09:16	106-50-3	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-25D **Lab ID: 3528901003** Collected: 04/07/11 12:20 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Pronamide	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:16	23950-58-5	
Pyrene	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 09:16	129-00-0	
Safrole	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 09:16	94-59-7	
1,2,4,5-Tetrachlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 09:16	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 09:16	58-90-2	
Thionazin	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 09:16	297-97-2	
O-Toluidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:16	95-53-4	
2,4,5-Trichlorophenol	**0.16U**	ug/L	3.8	0.16	1	04/12/11 21:55	04/21/11 09:16	95-95-4	
2,4,6-Trichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 09:16	88-06-2	
1,3,5-Trinitrobenzene	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 09:16	99-35-4	
Nitrobenzene-d5 (S)	56	%	10-110		1	04/12/11 21:55	04/21/11 09:16	4165-60-0	
2-Fluorobiphenyl (S)	78	%	18-110		1	04/12/11 21:55	04/21/11 09:16	321-60-8	
Terphenyl-d14 (S)	90	%	10-123		1	04/12/11 21:55	04/21/11 09:16	1718-51-0	
Phenol-d6 (S)	22	%	10-110		1	04/12/11 21:55	04/21/11 09:16	13127-88-3	
2-Fluorophenol (S)	38	%	18-110		1	04/12/11 21:55	04/21/11 09:16	367-12-4	
2,4,6-Tribromophenol (S)	80	%	10-110		1	04/12/11 21:55	04/21/11 09:16	118-79-6	
8270 MSSV PAH by SCAN	Analytical Method: EPA 8270 by SCAN Preparation Method: EPA 3510								
Acenaphthene	**0.028U**	ug/L	0.95	0.028	1	04/13/11 19:15	04/14/11 19:55	83-32-9	
Acenaphthylene	**0.047U**	ug/L	1.9	0.047	1	04/13/11 19:15	04/14/11 19:55	208-96-8	
Anthracene	**0.047U**	ug/L	0.95	0.047	1	04/13/11 19:15	04/14/11 19:55	120-12-7	
Benzo(a)anthracene	**0.057U**	ug/L	0.19	0.057	1	04/13/11 19:15	04/14/11 19:55	56-55-3	
Benzo(a)pyrene	**0.047U**	ug/L	0.19	0.047	1	04/13/11 19:15	04/14/11 19:55	50-32-8	
Benzo(b)fluoranthene	**0.047U**	ug/L	0.095	0.047	1	04/13/11 19:15	04/14/11 19:55	205-99-2	
Benzo(g,h,i)perylene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 19:55	191-24-2	
Benzo(k)fluoranthene	**0.038U**	ug/L	0.24	0.038	1	04/13/11 19:15	04/14/11 19:55	207-08-9	
Chrysene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 19:55	218-01-9	
Dibenz(a,h)anthracene	**0.047U**	ug/L	0.19	0.047	1	04/13/11 19:15	04/14/11 19:55	53-70-3	
Fluoranthene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 19:55	206-44-0	
Fluorene	**0.028U**	ug/L	0.95	0.028	1	04/13/11 19:15	04/14/11 19:55	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.038U**	ug/L	0.14	0.038	1	04/13/11 19:15	04/14/11 19:55	193-39-5	
1-Methylnaphthalene	**0.085U**	ug/L	1.4	0.085	1	04/13/11 19:15	04/14/11 19:55	90-12-0	
2-Methylnaphthalene	**0.057U**	ug/L	1.4	0.057	1	04/13/11 19:15	04/14/11 19:55	91-57-6	
Naphthalene	**0.076U**	ug/L	0.95	0.076	1	04/13/11 19:15	04/14/11 19:55	91-20-3	
Phenanthrene	**0.047U**	ug/L	0.95	0.047	1	04/13/11 19:15	04/14/11 19:55	85-01-8	
Pyrene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 19:55	129-00-0	
2-Fluorobiphenyl (S)	74	%	43.9-113		1	04/13/11 19:15	04/14/11 19:55	321-60-8	
Terphenyl-d14 (S)	90	%	24.8-144		1	04/13/11 19:15	04/14/11 19:55	1718-51-0	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-26D **Lab ID: 3528901004** Collected: 04/07/11 13:45 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:47	83-32-9	
Acenaphthylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:47	208-96-8	
Acetophenone	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 09:47	98-86-2	
2-Acetylaminofluorene	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:47	53-96-3	
4-Aminobiphenyl	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 09:47	92-67-1	
Anthracene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:47	120-12-7	
Benzo(a)anthracene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:47	56-55-3	
Benzo(a)pyrene	**0.13U**	ug/L	0.95	0.13	1	04/12/11 21:55	04/21/11 09:47	50-32-8	
Benzo(b)fluoranthene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 09:47	205-99-2	
Benzo(g,h,i)perylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:47	191-24-2	
Benzo(k)fluoranthene	**0.10U**	ug/L	3.8	0.10	1	04/12/11 21:55	04/21/11 09:47	207-08-9	
Benzyl alcohol	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 09:47	100-51-6	
4-Bromophenylphenyl ether	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:47	101-55-3	
Butylbenzylphthalate	**1.9U**	ug/L	4.8	1.9	1	04/12/11 21:55	04/21/11 09:47	85-68-7	
4-Chloro-3-methylphenol	**0.29U**	ug/L	19.0	0.29	1	04/12/11 21:55	04/21/11 09:47	59-50-7	
4-Chloroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:47	106-47-8	
bis(2-Chloroethoxy)methane	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	111-91-1	
bis(2-Chloroethyl) ether	**0.20U**	ug/L	3.8	0.20	1	04/12/11 21:55	04/21/11 09:47	111-44-4	
bis(2-Chloroisopropyl) ether	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 09:47	108-60-1	
2-Chloronaphthalene	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 09:47	91-58-7	
2-Chlorophenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	95-57-8	
4-Chlorophenylphenyl ether	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 09:47	7005-72-3	
Chrysene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:47	218-01-9	
Diallate	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 09:47	2303-16-4	
Dibenz(a,h)anthracene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 09:47	53-70-3	
Dibenzofuran	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	132-64-9	
1,2-Dichlorobenzene	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 09:47	95-50-1	
1,3-Dichlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 09:47	541-73-1	
1,4-Dichlorobenzene	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 09:47	106-46-7	
3,3'-Dichlorobenzidine	**0.19U**	ug/L	9.5	0.19	1	04/12/11 21:55	04/21/11 09:47	91-94-1	
2,4-Dichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 09:47	120-83-2	
2,6-Dichlorophenol	**0.22U**	ug/L	3.8	0.22	1	04/12/11 21:55	04/21/11 09:47	87-65-0	
Diethylphthalate	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:47	84-66-2	
P-Dimethylaminoazobenzene	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 09:47	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 09:47	57-97-6	
3,3'-Dimethylbenzidine	**0.59U**	ug/L	9.5	0.59	1	04/12/11 21:55	04/21/11 09:47	119-93-7	
2,4-Dimethylphenol	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 09:47	105-67-9	
Dimethylphthalate	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 09:47	131-11-3	
Di-n-butylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:47	84-74-2	
4,6-Dinitro-2-methylphenol	**1.4U**	ug/L	19.0	1.4	1	04/12/11 21:55	04/21/11 09:47	534-52-1	
1,3-Dinitrobenzene	**0.30U**	ug/L	7.6	0.30	1	04/12/11 21:55	04/21/11 09:47	99-65-0	
2,4-Dinitrophenol	**1.1U**	ug/L	19.0	1.1	1	04/12/11 21:55	04/21/11 09:47	51-28-5	
2,4-Dinitrotoluene	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 09:47	121-14-2	
2,6-Dinitrotoluene	**0.21U**	ug/L	1.9	0.21	1	04/12/11 21:55	04/21/11 09:47	606-20-2	
Di-n-octylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:47	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.92U**	ug/L	4.8	0.92	1	04/12/11 21:55	04/21/11 09:47	117-81-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-26D **Lab ID: 3528901004** Collected: 04/07/11 13:45 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Ethyl methanesulfonate	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 09:47	62-50-0	
Fluoranthene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:47	206-44-0	
Fluorene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 09:47	86-73-7	
Hexachlorobenzene	**0.18U**	ug/L	0.95	0.18	1	04/12/11 21:55	04/21/11 09:47	118-74-1	
Hexachlorocyclopentadiene	**1.0U**	ug/L	4.8	1.0	1	04/12/11 21:55	04/21/11 09:47	77-47-4	
Hexachloroethane	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 09:47	67-72-1	
Hexachloropropene	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 09:47	1888-71-7	
Indeno(1,2,3-cd)pyrene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 09:47	193-39-5	
Isodrin	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 09:47	465-73-6	
Isophorone	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	78-59-1	
Isosafrole	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 09:47	120-58-1	1p
Kepone	**5.0U**	ug/L	20.0	5.0	1	04/12/11 21:55	04/21/11 09:47	143-50-0	
Methapyrilene	**0.50U**	ug/L	4.8	0.50	1	04/12/11 21:55	04/21/11 09:47	91-80-5	J(L2)
3-Methylcholanthrene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	56-49-5	
Methyl methanesulfonate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 09:47	66-27-3	1p
2-Methylnaphthalene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	91-57-6	
2-Methylphenol(o-Cresol)	**1.2U**	ug/L	4.8	1.2	1	04/12/11 21:55	04/21/11 09:47	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.15U**	ug/L	9.5	0.15	1	04/12/11 21:55	04/21/11 09:47		
2-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 09:47	91-59-8	
Naphthalene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:47	91-20-3	
1-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 09:47	134-32-7	
1,4-Naphthoquinone	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 09:47	130-15-4	
2-Nitroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:47	88-74-4	
3-Nitroaniline	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 09:47	99-09-2	
4-Nitroaniline	**1.8U**	ug/L	3.8	1.8	1	04/12/11 21:55	04/21/11 09:47	100-01-6	
Nitrobenzene	**0.39U**	ug/L	3.8	0.39	1	04/12/11 21:55	04/21/11 09:47	98-95-3	
2-Nitrophenol	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 09:47	88-75-5	
4-Nitrophenol	**0.74U**	ug/L	19.0	0.74	1	04/12/11 21:55	04/21/11 09:47	100-02-7	
5-Nitro-o-toluidine	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	99-55-8	
N-Nitrosodiethylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 09:47	55-18-5	
N-Nitrosodimethylamine	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 09:47	62-75-9	
N-Nitroso-di-n-butylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 09:47	924-16-3	
N-Nitroso-di-n-propylamine	**0.25U**	ug/L	3.8	0.25	1	04/12/11 21:55	04/21/11 09:47	621-64-7	
N-Nitrosodiphenylamine	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 09:47	86-30-6	
N-Nitrosomethylethylamine	**0.32U**	ug/L	4.8	0.32	1	04/12/11 21:55	04/21/11 09:47	10595-95-6	
N-Nitrosopiperidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:47	100-75-4	
N-Nitrosopyrrolidine	**0.21U**	ug/L	4.8	0.21	1	04/12/11 21:55	04/21/11 09:47	930-55-2	
O,O,O-Triethylphosphorothioate	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 09:47	126-68-1	
Pentachlorobenzene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:47	608-93-5	
Phenacetin	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:47	62-44-2	
Phenanthrene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 09:47	85-01-8	
Phenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 09:47	108-95-2	
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	1	04/12/11 21:55	04/21/11 09:47	106-50-3	
Pronamide	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 09:47	23950-58-5	
Pyrene	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 09:47	129-00-0	
Safrole	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 09:47	94-59-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-26D **Lab ID: 3528901004** Collected: 04/07/11 13:45 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 09:47	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.5U**	ug/L	4.8	1.5	1	04/12/11 21:55	04/21/11 09:47	58-90-2	
Thionazin	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 09:47	297-97-2	
O-Toluidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 09:47	95-53-4	
2,4,5-Trichlorophenol	**0.16U**	ug/L	3.8	0.16	1	04/12/11 21:55	04/21/11 09:47	95-95-4	
2,4,6-Trichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 09:47	88-06-2	
1,3,5-Trinitrobenzene	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 09:47	99-35-4	
Nitrobenzene-d5 (S)	61	%	10-110		1	04/12/11 21:55	04/21/11 09:47	4165-60-0	
2-Fluorobiphenyl (S)	74	%	18-110		1	04/12/11 21:55	04/21/11 09:47	321-60-8	
Terphenyl-d14 (S)	83	%	10-123		1	04/12/11 21:55	04/21/11 09:47	1718-51-0	
Phenol-d6 (S)	21	%	10-110		1	04/12/11 21:55	04/21/11 09:47	13127-88-3	
2-Fluorophenol (S)	40	%	18-110		1	04/12/11 21:55	04/21/11 09:47	367-12-4	
2,4,6-Tribromophenol (S)	73	%	10-110		1	04/12/11 21:55	04/21/11 09:47	118-79-6	
8270 MSSV PAH by SCAN	Analytical Method: EPA 8270 by SCAN Preparation Method: EPA 3510								
Acenaphthene	**0.028U**	ug/L	0.95	0.028	1	04/13/11 19:15	04/14/11 20:14	83-32-9	
Acenaphthylene	**0.047U**	ug/L	1.9	0.047	1	04/13/11 19:15	04/14/11 20:14	208-96-8	
Anthracene	**0.047U**	ug/L	0.95	0.047	1	04/13/11 19:15	04/14/11 20:14	120-12-7	
Benzo(a)anthracene	**0.057U**	ug/L	0.19	0.057	1	04/13/11 19:15	04/14/11 20:14	56-55-3	
Benzo(a)pyrene	**0.047U**	ug/L	0.19	0.047	1	04/13/11 19:15	04/14/11 20:14	50-32-8	
Benzo(b)fluoranthene	**0.047U**	ug/L	0.095	0.047	1	04/13/11 19:15	04/14/11 20:14	205-99-2	
Benzo(g,h,i)perylene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 20:14	191-24-2	
Benzo(k)fluoranthene	**0.038U**	ug/L	0.24	0.038	1	04/13/11 19:15	04/14/11 20:14	207-08-9	
Chrysene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 20:14	218-01-9	
Dibenz(a,h)anthracene	**0.047U**	ug/L	0.19	0.047	1	04/13/11 19:15	04/14/11 20:14	53-70-3	
Fluoranthene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 20:14	206-44-0	
Fluorene	**0.028U**	ug/L	0.95	0.028	1	04/13/11 19:15	04/14/11 20:14	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.038U**	ug/L	0.14	0.038	1	04/13/11 19:15	04/14/11 20:14	193-39-5	
1-Methylnaphthalene	**0.085U**	ug/L	1.4	0.085	1	04/13/11 19:15	04/14/11 20:14	90-12-0	
2-Methylnaphthalene	**0.057U**	ug/L	1.4	0.057	1	04/13/11 19:15	04/14/11 20:14	91-57-6	
Naphthalene	**0.076U**	ug/L	0.95	0.076	1	04/13/11 19:15	04/14/11 20:14	91-20-3	
Phenanthrene	**0.047U**	ug/L	0.95	0.047	1	04/13/11 19:15	04/14/11 20:14	85-01-8	
Pyrene	**0.057U**	ug/L	0.95	0.057	1	04/13/11 19:15	04/14/11 20:14	129-00-0	
2-Fluorobiphenyl (S)	79	%	43.9-113		1	04/13/11 19:15	04/14/11 20:14	321-60-8	
Terphenyl-d14 (S)	92	%	24.8-144		1	04/13/11 19:15	04/14/11 20:14	1718-51-0	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 4MW-21 **Lab ID: 3528901005** Collected: 04/07/11 14:48 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	04/12/11 07:05	04/12/11 23:17	7440-38-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 4MW-27D **Lab ID: 3528901006** Collected: 04/06/11 11:20 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**0.18U**	ug/L	4.9	0.18	1	04/12/11 21:55	04/21/11 06:42	83-32-9	
Acenaphthylene	**1.7U**	ug/L	4.9	1.7	1	04/12/11 21:55	04/21/11 06:42	208-96-8	
Acetophenone	**1.5U**	ug/L	4.9	1.5	1	04/12/11 21:55	04/21/11 06:42	98-86-2	
2-Acetylaminofluorene	**0.24U**	ug/L	4.9	0.24	1	04/12/11 21:55	04/21/11 06:42	53-96-3	
4-Aminobiphenyl	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	92-67-1	
Anthracene	**0.18U**	ug/L	4.9	0.18	1	04/12/11 21:55	04/21/11 06:42	120-12-7	
Benzo(a)anthracene	**1.8U**	ug/L	4.9	1.8	1	04/12/11 21:55	04/21/11 06:42	56-55-3	
Benzo(a)pyrene	**0.14U**	ug/L	0.97	0.14	1	04/12/11 21:55	04/21/11 06:42	50-32-8	
Benzo(b)fluoranthene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 06:42	205-99-2	
Benzo(g,h,i)perylene	**1.8U**	ug/L	4.9	1.8	1	04/12/11 21:55	04/21/11 06:42	191-24-2	
Benzo(k)fluoranthene	**0.11U**	ug/L	3.9	0.11	1	04/12/11 21:55	04/21/11 06:42	207-08-9	
Benzyl alcohol	**0.30U**	ug/L	4.9	0.30	1	04/12/11 21:55	04/21/11 06:42	100-51-6	
4-Bromophenylphenyl ether	**0.24U**	ug/L	4.9	0.24	1	04/12/11 21:55	04/21/11 06:42	101-55-3	
Butylbenzylphthalate	**1.9U**	ug/L	4.9	1.9	1	04/12/11 21:55	04/21/11 06:42	85-68-7	
4-Chloro-3-methylphenol	**0.29U**	ug/L	19.5	0.29	1	04/12/11 21:55	04/21/11 06:42	59-50-7	
4-Chloroaniline	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	106-47-8	
bis(2-Chloroethoxy)methane	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	111-91-1	
bis(2-Chloroethyl) ether	**0.20U**	ug/L	3.9	0.20	1	04/12/11 21:55	04/21/11 06:42	111-44-4	
bis(2-Chloroisopropyl) ether	**0.25U**	ug/L	4.9	0.25	1	04/12/11 21:55	04/21/11 06:42	108-60-1	
2-Chloronaphthalene	**0.20U**	ug/L	4.9	0.20	1	04/12/11 21:55	04/21/11 06:42	91-58-7	
2-Chlorophenol	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	95-57-8	
4-Chlorophenylphenyl ether	**1.9U**	ug/L	4.9	1.9	1	04/12/11 21:55	04/21/11 06:42	7005-72-3	
Chrysene	**0.18U**	ug/L	4.9	0.18	1	04/12/11 21:55	04/21/11 06:42	218-01-9	
Diallate	**0.20U**	ug/L	4.9	0.20	1	04/12/11 21:55	04/21/11 06:42	2303-16-4	
Dibenz(a,h)anthracene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 06:42	53-70-3	
Dibenzofuran	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	132-64-9	
1,2-Dichlorobenzene	**0.22U**	ug/L	4.9	0.22	1	04/12/11 21:55	04/21/11 06:42	95-50-1	
1,3-Dichlorobenzene	**1.4U**	ug/L	4.9	1.4	1	04/12/11 21:55	04/21/11 06:42	541-73-1	
1,4-Dichlorobenzene	**0.17U**	ug/L	4.9	0.17	1	04/12/11 21:55	04/21/11 06:42	106-46-7	
3,3'-Dichlorobenzidine	**0.19U**	ug/L	9.7	0.19	1	04/12/11 21:55	04/21/11 06:42	91-94-1	
2,4-Dichlorophenol	**0.19U**	ug/L	1.9	0.19	1	04/12/11 21:55	04/21/11 06:42	120-83-2	
2,6-Dichlorophenol	**0.22U**	ug/L	3.9	0.22	1	04/12/11 21:55	04/21/11 06:42	87-65-0	
Diethylphthalate	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	84-66-2	
P-Dimethylaminoazobenzene	**0.29U**	ug/L	4.9	0.29	1	04/12/11 21:55	04/21/11 06:42	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.13U**	ug/L	4.9	0.13	1	04/12/11 21:55	04/21/11 06:42	57-97-6	
3,3'-Dimethylbenzidine	**0.60U**	ug/L	9.7	0.60	1	04/12/11 21:55	04/21/11 06:42	119-93-7	
2,4-Dimethylphenol	**0.26U**	ug/L	4.9	0.26	1	04/12/11 21:55	04/21/11 06:42	105-67-9	
Dimethylphthalate	**0.17U**	ug/L	4.9	0.17	1	04/12/11 21:55	04/21/11 06:42	131-11-3	
Di-n-butylphthalate	**0.18U**	ug/L	4.9	0.18	1	04/12/11 21:55	04/21/11 06:42	84-74-2	
4,6-Dinitro-2-methylphenol	**1.4U**	ug/L	19.5	1.4	1	04/12/11 21:55	04/21/11 06:42	534-52-1	
1,3-Dinitrobenzene	**0.31U**	ug/L	7.8	0.31	1	04/12/11 21:55	04/21/11 06:42	99-65-0	
2,4-Dinitrophenol	**1.1U**	ug/L	19.5	1.1	1	04/12/11 21:55	04/21/11 06:42	51-28-5	
2,4-Dinitrotoluene	**0.14U**	ug/L	1.9	0.14	1	04/12/11 21:55	04/21/11 06:42	121-14-2	
2,6-Dinitrotoluene	**0.21U**	ug/L	1.9	0.21	1	04/12/11 21:55	04/21/11 06:42	606-20-2	
Di-n-octylphthalate	**0.18U**	ug/L	4.9	0.18	1	04/12/11 21:55	04/21/11 06:42	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.94U**	ug/L	4.9	0.94	1	04/12/11 21:55	04/21/11 06:42	117-81-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 4MW-27D **Lab ID: 3528901006** Collected: 04/06/11 11:20 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Ethyl methanesulfonate	**0.22U**	ug/L	4.9	0.22	1	04/12/11 21:55	04/21/11 06:42	62-50-0	
Fluoranthene	**1.7U**	ug/L	4.9	1.7	1	04/12/11 21:55	04/21/11 06:42	206-44-0	
Fluorene	**1.7U**	ug/L	4.9	1.7	1	04/12/11 21:55	04/21/11 06:42	86-73-7	
Hexachlorobenzene	**0.19U**	ug/L	0.97	0.19	1	04/12/11 21:55	04/21/11 06:42	118-74-1	
Hexachlorocyclopentadiene	**1.1U**	ug/L	4.9	1.1	1	04/12/11 21:55	04/21/11 06:42	77-47-4	
Hexachloroethane	**0.23U**	ug/L	4.9	0.23	1	04/12/11 21:55	04/21/11 06:42	67-72-1	
Hexachloropropene	**0.23U**	ug/L	4.9	0.23	1	04/12/11 21:55	04/21/11 06:42	1888-71-7	
Indeno(1,2,3-cd)pyrene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 06:42	193-39-5	
Isodrin	**0.30U**	ug/L	4.9	0.30	1	04/12/11 21:55	04/21/11 06:42	465-73-6	
Isophorone	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	78-59-1	
Isosafrole	**0.15U**	ug/L	4.9	0.15	1	04/12/11 21:55	04/21/11 06:42	120-58-1	1p
Kepone	**5.0U**	ug/L	20.0	5.0	1	04/12/11 21:55	04/21/11 06:42	143-50-0	
Methapyrilene	**0.52U**	ug/L	4.9	0.52	1	04/12/11 21:55	04/21/11 06:42	91-80-5	J(L2)
3-Methylcholanthrene	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	56-49-5	
Methyl methanesulfonate	**0.18U**	ug/L	4.9	0.18	1	04/12/11 21:55	04/21/11 06:42	66-27-3	1p
2-Methylnaphthalene	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	91-57-6	
2-Methylphenol(o-Cresol)	**1.2U**	ug/L	4.9	1.2	1	04/12/11 21:55	04/21/11 06:42	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.16U**	ug/L	9.7	0.16	1	04/12/11 21:55	04/21/11 06:42		
2-Naphthylamine	**0.28U**	ug/L	4.9	0.28	1	04/12/11 21:55	04/21/11 06:42	91-59-8	
Naphthalene	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	91-20-3	
1-Naphthylamine	**0.28U**	ug/L	4.9	0.28	1	04/12/11 21:55	04/21/11 06:42	134-32-7	
1,4-Naphthoquinone	**1.8U**	ug/L	4.9	1.8	1	04/12/11 21:55	04/21/11 06:42	130-15-4	
2-Nitroaniline	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	88-74-4	
3-Nitroaniline	**0.31U**	ug/L	4.9	0.31	1	04/12/11 21:55	04/21/11 06:42	99-09-2	
4-Nitroaniline	**1.8U**	ug/L	3.9	1.8	1	04/12/11 21:55	04/21/11 06:42	100-01-6	
Nitrobenzene	**0.40U**	ug/L	3.9	0.40	1	04/12/11 21:55	04/21/11 06:42	98-95-3	
2-Nitrophenol	**0.23U**	ug/L	4.9	0.23	1	04/12/11 21:55	04/21/11 06:42	88-75-5	
4-Nitrophenol	**0.76U**	ug/L	19.5	0.76	1	04/12/11 21:55	04/21/11 06:42	100-02-7	
5-Nitro-o-toluidine	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	99-55-8	
N-Nitrosodiethylamine	**0.21U**	ug/L	3.9	0.21	1	04/12/11 21:55	04/21/11 06:42	55-18-5	
N-Nitrosodimethylamine	**0.14U**	ug/L	1.9	0.14	1	04/12/11 21:55	04/21/11 06:42	62-75-9	
N-Nitroso-di-n-butylamine	**0.21U**	ug/L	3.9	0.21	1	04/12/11 21:55	04/21/11 06:42	924-16-3	
N-Nitroso-di-n-propylamine	**0.25U**	ug/L	3.9	0.25	1	04/12/11 21:55	04/21/11 06:42	621-64-7	
N-Nitrosodiphenylamine	**0.13U**	ug/L	4.9	0.13	1	04/12/11 21:55	04/21/11 06:42	86-30-6	
N-Nitrosomethylethylamine	**0.33U**	ug/L	4.9	0.33	1	04/12/11 21:55	04/21/11 06:42	10595-95-6	
N-Nitrosopiperidine	**0.24U**	ug/L	4.9	0.24	1	04/12/11 21:55	04/21/11 06:42	100-75-4	
N-Nitrosopyrrolidine	**0.21U**	ug/L	4.9	0.21	1	04/12/11 21:55	04/21/11 06:42	930-55-2	
O,O,O-Triethylphosphorothioate	**0.25U**	ug/L	4.9	0.25	1	04/12/11 21:55	04/21/11 06:42	126-68-1	
Pentachlorobenzene	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	608-93-5	
Phenacetin	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	62-44-2	
Phenanthrene	**0.13U**	ug/L	4.9	0.13	1	04/12/11 21:55	04/21/11 06:42	85-01-8	
Phenol	**0.14U**	ug/L	4.9	0.14	1	04/12/11 21:55	04/21/11 06:42	108-95-2	
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	1	04/12/11 21:55	04/21/11 06:42	106-50-3	
Pronamide	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	23950-58-5	
Pyrene	**1.7U**	ug/L	4.9	1.7	1	04/12/11 21:55	04/21/11 06:42	129-00-0	
Safrole	**0.22U**	ug/L	4.9	0.22	1	04/12/11 21:55	04/21/11 06:42	94-59-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 4MW-27D **Lab ID: 3528901006** Collected: 04/06/11 11:20 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	**1.4U**	ug/L	4.9	1.4	1	04/12/11 21:55	04/21/11 06:42	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	4.9	1.6	1	04/12/11 21:55	04/21/11 06:42	58-90-2	
Thionazin	**0.26U**	ug/L	4.9	0.26	1	04/12/11 21:55	04/21/11 06:42	297-97-2	
O-Toluidine	**0.24U**	ug/L	4.9	0.24	1	04/12/11 21:55	04/21/11 06:42	95-53-4	
2,4,5-Trichlorophenol	**0.17U**	ug/L	3.9	0.17	1	04/12/11 21:55	04/21/11 06:42	95-95-4	
2,4,6-Trichlorophenol	**0.19U**	ug/L	1.9	0.19	1	04/12/11 21:55	04/21/11 06:42	88-06-2	
1,3,5-Trinitrobenzene	**0.19U**	ug/L	4.9	0.19	1	04/12/11 21:55	04/21/11 06:42	99-35-4	
Nitrobenzene-d5 (S)	42	%	10-110		1	04/12/11 21:55	04/21/11 06:42	4165-60-0	
2-Fluorobiphenyl (S)	57	%	18-110		1	04/12/11 21:55	04/21/11 06:42	321-60-8	
Terphenyl-d14 (S)	68	%	10-123		1	04/12/11 21:55	04/21/11 06:42	1718-51-0	
Phenol-d6 (S)	17	%	10-110		1	04/12/11 21:55	04/21/11 06:42	13127-88-3	
2-Fluorophenol (S)	30	%	18-110		1	04/12/11 21:55	04/21/11 06:42	367-12-4	
2,4,6-Tribromophenol (S)	61	%	10-110		1	04/12/11 21:55	04/21/11 06:42	118-79-6	
8270 MSSV PAH by SCAN	Analytical Method: EPA 8270 by SCAN Preparation Method: EPA 3510								
Acenaphthene	**0.029U**	ug/L	0.97	0.029	1	04/12/11 16:13	04/13/11 22:52	83-32-9	
Acenaphthylene	**0.049U**	ug/L	1.9	0.049	1	04/12/11 16:13	04/13/11 22:52	208-96-8	
Anthracene	**0.049U**	ug/L	0.97	0.049	1	04/12/11 16:13	04/13/11 22:52	120-12-7	
Benzo(a)anthracene	**0.058U**	ug/L	0.19	0.058	1	04/12/11 16:13	04/13/11 22:52	56-55-3	
Benzo(a)pyrene	**0.049U**	ug/L	0.19	0.049	1	04/12/11 16:13	04/13/11 22:52	50-32-8	
Benzo(b)fluoranthene	**0.049U**	ug/L	0.097	0.049	1	04/12/11 16:13	04/13/11 22:52	205-99-2	
Benzo(g,h,i)perylene	**0.058U**	ug/L	0.97	0.058	1	04/12/11 16:13	04/13/11 22:52	191-24-2	
Benzo(k)fluoranthene	**0.039U**	ug/L	0.24	0.039	1	04/12/11 16:13	04/13/11 22:52	207-08-9	
Chrysene	**0.058U**	ug/L	0.97	0.058	1	04/12/11 16:13	04/13/11 22:52	218-01-9	
Dibenz(a,h)anthracene	**0.049U**	ug/L	0.19	0.049	1	04/12/11 16:13	04/13/11 22:52	53-70-3	
Fluoranthene	**0.058U**	ug/L	0.97	0.058	1	04/12/11 16:13	04/13/11 22:52	206-44-0	
Fluorene	**0.029U**	ug/L	0.97	0.029	1	04/12/11 16:13	04/13/11 22:52	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.039U**	ug/L	0.15	0.039	1	04/12/11 16:13	04/13/11 22:52	193-39-5	
1-Methylnaphthalene	**0.088U**	ug/L	1.5	0.088	1	04/12/11 16:13	04/13/11 22:52	90-12-0	
2-Methylnaphthalene	**0.058U**	ug/L	1.5	0.058	1	04/12/11 16:13	04/13/11 22:52	91-57-6	
Naphthalene	**0.078U**	ug/L	0.97	0.078	1	04/12/11 16:13	04/13/11 22:52	91-20-3	
Phenanthrene	**0.049U**	ug/L	0.97	0.049	1	04/12/11 16:13	04/13/11 22:52	85-01-8	
Pyrene	**0.058U**	ug/L	0.97	0.058	1	04/12/11 16:13	04/13/11 22:52	129-00-0	
2-Fluorobiphenyl (S)	84	%	43.9-113		1	04/12/11 16:13	04/13/11 22:52	321-60-8	
Terphenyl-d14 (S)	99	%	24.8-144		1	04/12/11 16:13	04/13/11 22:52	1718-51-0	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 4MW-27 **Lab ID: 3528901007** Collected: 04/06/11 13:49 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:13	83-32-9	
Acenaphthylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:13	208-96-8	
Acetophenone	**1.5U**	ug/L	4.8	1.5	1	04/12/11 21:55	04/21/11 07:13	98-86-2	
2-Acetylaminofluorene	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:13	53-96-3	
4-Aminobiphenyl	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 07:13	92-67-1	
Anthracene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:13	120-12-7	
Benzo(a)anthracene	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 07:13	56-55-3	
Benzo(a)pyrene	**0.14U**	ug/L	0.97	0.14	1	04/12/11 21:55	04/21/11 07:13	50-32-8	
Benzo(b)fluoranthene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 07:13	205-99-2	
Benzo(g,h,i)perylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:13	191-24-2	
Benzo(k)fluoranthene	**0.11U**	ug/L	3.9	0.11	1	04/12/11 21:55	04/21/11 07:13	207-08-9	
Benzyl alcohol	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 07:13	100-51-6	
4-Bromophenylphenyl ether	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:13	101-55-3	
Butylbenzylphthalate	**1.9U**	ug/L	4.8	1.9	1	04/12/11 21:55	04/21/11 07:13	85-68-7	
4-Chloro-3-methylphenol	**0.29U**	ug/L	19.4	0.29	1	04/12/11 21:55	04/21/11 07:13	59-50-7	
4-Chloroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:13	106-47-8	
bis(2-Chloroethoxy)methane	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	111-91-1	
bis(2-Chloroethyl) ether	**0.20U**	ug/L	3.9	0.20	1	04/12/11 21:55	04/21/11 07:13	111-44-4	
bis(2-Chloroisopropyl) ether	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 07:13	108-60-1	
2-Chloronaphthalene	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 07:13	91-58-7	
2-Chlorophenol	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	95-57-8	
4-Chlorophenylphenyl ether	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 07:13	7005-72-3	
Chrysene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:13	218-01-9	
Diallate	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 07:13	2303-16-4	
Dibenz(a,h)anthracene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 07:13	53-70-3	
Dibenzofuran	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	132-64-9	
1,2-Dichlorobenzene	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 07:13	95-50-1	
1,3-Dichlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 07:13	541-73-1	
1,4-Dichlorobenzene	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 07:13	106-46-7	
3,3'-Dichlorobenzidine	**0.19U**	ug/L	9.7	0.19	1	04/12/11 21:55	04/21/11 07:13	91-94-1	
2,4-Dichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 07:13	120-83-2	
2,6-Dichlorophenol	**0.22U**	ug/L	3.9	0.22	1	04/12/11 21:55	04/21/11 07:13	87-65-0	
Diethylphthalate	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:13	84-66-2	
P-Dimethylaminoazobenzene	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 07:13	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:13	57-97-6	
3,3'-Dimethylbenzidine	**0.60U**	ug/L	9.7	0.60	1	04/12/11 21:55	04/21/11 07:13	119-93-7	
2,4-Dimethylphenol	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 07:13	105-67-9	
Dimethylphthalate	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 07:13	131-11-3	
Di-n-butylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:13	84-74-2	
4,6-Dinitro-2-methylphenol	**1.4U**	ug/L	19.4	1.4	1	04/12/11 21:55	04/21/11 07:13	534-52-1	
1,3-Dinitrobenzene	**0.31U**	ug/L	7.7	0.31	1	04/12/11 21:55	04/21/11 07:13	99-65-0	
2,4-Dinitrophenol	**1.1U**	ug/L	19.4	1.1	1	04/12/11 21:55	04/21/11 07:13	51-28-5	
2,4-Dinitrotoluene	**0.14U**	ug/L	1.9	0.14	1	04/12/11 21:55	04/21/11 07:13	121-14-2	
2,6-Dinitrotoluene	**0.21U**	ug/L	1.9	0.21	1	04/12/11 21:55	04/21/11 07:13	606-20-2	
Di-n-octylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:13	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.94U**	ug/L	4.8	0.94	1	04/12/11 21:55	04/21/11 07:13	117-81-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 4MW-27 **Lab ID: 3528901007** Collected: 04/06/11 13:49 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Ethyl methanesulfonate	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 07:13	62-50-0	
Fluoranthene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:13	206-44-0	
Fluorene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:13	86-73-7	
Hexachlorobenzene	**0.18U**	ug/L	0.97	0.18	1	04/12/11 21:55	04/21/11 07:13	118-74-1	
Hexachlorocyclopentadiene	**1.1U**	ug/L	4.8	1.1	1	04/12/11 21:55	04/21/11 07:13	77-47-4	
Hexachloroethane	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 07:13	67-72-1	
Hexachloropropene	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 07:13	1888-71-7	
Indeno(1,2,3-cd)pyrene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 07:13	193-39-5	
Isodrin	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 07:13	465-73-6	
Isophorone	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	78-59-1	
Isosafrole	**0.15U**	ug/L	4.8	0.15	1	04/12/11 21:55	04/21/11 07:13	120-58-1	1p
Kepone	**5.0U**	ug/L	20.0	5.0	1	04/12/11 21:55	04/21/11 07:13	143-50-0	
Methapyrilene	**0.51U**	ug/L	4.8	0.51	1	04/12/11 21:55	04/21/11 07:13	91-80-5	J(L2)
3-Methylcholanthrene	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	56-49-5	
Methyl methanesulfonate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:13	66-27-3	1p
2-Methylnaphthalene	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	91-57-6	
2-Methylphenol(o-Cresol)	**1.2U**	ug/L	4.8	1.2	1	04/12/11 21:55	04/21/11 07:13	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.15U**	ug/L	9.7	0.15	1	04/12/11 21:55	04/21/11 07:13		
2-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 07:13	91-59-8	
Naphthalene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:13	91-20-3	
1-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 07:13	134-32-7	
1,4-Naphthoquinone	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 07:13	130-15-4	
2-Nitroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:13	88-74-4	
3-Nitroaniline	**0.31U**	ug/L	4.8	0.31	1	04/12/11 21:55	04/21/11 07:13	99-09-2	
4-Nitroaniline	**1.8U**	ug/L	3.9	1.8	1	04/12/11 21:55	04/21/11 07:13	100-01-6	
Nitrobenzene	**0.40U**	ug/L	3.9	0.40	1	04/12/11 21:55	04/21/11 07:13	98-95-3	
2-Nitrophenol	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 07:13	88-75-5	
4-Nitrophenol	**0.76U**	ug/L	19.4	0.76	1	04/12/11 21:55	04/21/11 07:13	100-02-7	
5-Nitro-o-toluidine	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	99-55-8	
N-Nitrosodiethylamine	**0.21U**	ug/L	3.9	0.21	1	04/12/11 21:55	04/21/11 07:13	55-18-5	
N-Nitrosodimethylamine	**0.14U**	ug/L	1.9	0.14	1	04/12/11 21:55	04/21/11 07:13	62-75-9	
N-Nitroso-di-n-butylamine	**0.21U**	ug/L	3.9	0.21	1	04/12/11 21:55	04/21/11 07:13	924-16-3	
N-Nitroso-di-n-propylamine	**0.25U**	ug/L	3.9	0.25	1	04/12/11 21:55	04/21/11 07:13	621-64-7	
N-Nitrosodiphenylamine	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:13	86-30-6	
N-Nitrosomethylethylamine	**0.33U**	ug/L	4.8	0.33	1	04/12/11 21:55	04/21/11 07:13	10595-95-6	
N-Nitrosopiperidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:13	100-75-4	
N-Nitrosopyrrolidine	**0.21U**	ug/L	4.8	0.21	1	04/12/11 21:55	04/21/11 07:13	930-55-2	
O,O,O-Triethylphosphorothioate	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 07:13	126-68-1	
Pentachlorobenzene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:13	608-93-5	
Phenacetin	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:13	62-44-2	
Phenanthrene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:13	85-01-8	
Phenol	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:13	108-95-2	
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	1	04/12/11 21:55	04/21/11 07:13	106-50-3	
Pronamide	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:13	23950-58-5	
Pyrene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:13	129-00-0	
Safrole	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 07:13	94-59-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 4MW-27 **Lab ID: 3528901007** Collected: 04/06/11 13:49 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 07:13	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 07:13	58-90-2	
Thionazin	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 07:13	297-97-2	
O-Toluidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:13	95-53-4	
2,4,5-Trichlorophenol	**0.16U**	ug/L	3.9	0.16	1	04/12/11 21:55	04/21/11 07:13	95-95-4	
2,4,6-Trichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 07:13	88-06-2	
1,3,5-Trinitrobenzene	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 07:13	99-35-4	
Nitrobenzene-d5 (S)	50	%	10-110		1	04/12/11 21:55	04/21/11 07:13	4165-60-0	
2-Fluorobiphenyl (S)	69	%	18-110		1	04/12/11 21:55	04/21/11 07:13	321-60-8	
Terphenyl-d14 (S)	83	%	10-123		1	04/12/11 21:55	04/21/11 07:13	1718-51-0	
Phenol-d6 (S)	19	%	10-110		1	04/12/11 21:55	04/21/11 07:13	13127-88-3	
2-Fluorophenol (S)	33	%	18-110		1	04/12/11 21:55	04/21/11 07:13	367-12-4	
2,4,6-Tribromophenol (S)	70	%	10-110		1	04/12/11 21:55	04/21/11 07:13	118-79-6	
8270 MSSV PAH by SCAN	Analytical Method: EPA 8270 by SCAN Preparation Method: EPA 3510								
Acenaphthene	**0.028U**	ug/L	0.95	0.028	1	04/12/11 16:13	04/13/11 23:11	83-32-9	
Acenaphthylene	**0.047U**	ug/L	1.9	0.047	1	04/12/11 16:13	04/13/11 23:11	208-96-8	
Anthracene	**0.047U**	ug/L	0.95	0.047	1	04/12/11 16:13	04/13/11 23:11	120-12-7	
Benzo(a)anthracene	**0.057U**	ug/L	0.19	0.057	1	04/12/11 16:13	04/13/11 23:11	56-55-3	
Benzo(a)pyrene	**0.074 I**	ug/L	0.19	0.047	1	04/12/11 16:13	04/13/11 23:11	50-32-8	
Benzo(b)fluoranthene	**0.047U**	ug/L	0.095	0.047	1	04/12/11 16:13	04/13/11 23:11	205-99-2	
Benzo(g,h,i)perylene	**0.057U**	ug/L	0.95	0.057	1	04/12/11 16:13	04/13/11 23:11	191-24-2	
Benzo(k)fluoranthene	**0.055 I**	ug/L	0.24	0.038	1	04/12/11 16:13	04/13/11 23:11	207-08-9	
Chrysene	**0.057U**	ug/L	0.95	0.057	1	04/12/11 16:13	04/13/11 23:11	218-01-9	
Dibenz(a,h)anthracene	**0.047U**	ug/L	0.19	0.047	1	04/12/11 16:13	04/13/11 23:11	53-70-3	
Fluoranthene	**0.057U**	ug/L	0.95	0.057	1	04/12/11 16:13	04/13/11 23:11	206-44-0	
Fluorene	**0.028U**	ug/L	0.95	0.028	1	04/12/11 16:13	04/13/11 23:11	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.038U**	ug/L	0.14	0.038	1	04/12/11 16:13	04/13/11 23:11	193-39-5	
1-Methylnaphthalene	**0.085U**	ug/L	1.4	0.085	1	04/12/11 16:13	04/13/11 23:11	90-12-0	
2-Methylnaphthalene	**0.057U**	ug/L	1.4	0.057	1	04/12/11 16:13	04/13/11 23:11	91-57-6	
Naphthalene	**0.076U**	ug/L	0.95	0.076	1	04/12/11 16:13	04/13/11 23:11	91-20-3	
Phenanthrene	**0.047U**	ug/L	0.95	0.047	1	04/12/11 16:13	04/13/11 23:11	85-01-8	
Pyrene	**0.057U**	ug/L	0.95	0.057	1	04/12/11 16:13	04/13/11 23:11	129-00-0	
2-Fluorobiphenyl (S)	77	%	43.9-113		1	04/12/11 16:13	04/13/11 23:11	321-60-8	
Terphenyl-d14 (S)	100	%	24.8-144		1	04/12/11 16:13	04/13/11 23:11	1718-51-0	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-27D **Lab ID: 3528901008** Collected: 04/06/11 15:11 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Acenaphthene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:44	83-32-9	
Acenaphthylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:44	208-96-8	
Acetophenone	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 07:44	98-86-2	
2-Acetylaminofluorene	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:44	53-96-3	
4-Aminobiphenyl	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 07:44	92-67-1	
Anthracene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:44	120-12-7	
Benzo(a)anthracene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:44	56-55-3	
Benzo(a)pyrene	**0.13U**	ug/L	0.95	0.13	1	04/12/11 21:55	04/21/11 07:44	50-32-8	
Benzo(b)fluoranthene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 07:44	205-99-2	
Benzo(g,h,i)perylene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:44	191-24-2	
Benzo(k)fluoranthene	**0.10U**	ug/L	3.8	0.10	1	04/12/11 21:55	04/21/11 07:44	207-08-9	
Benzyl alcohol	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 07:44	100-51-6	
4-Bromophenylphenyl ether	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:44	101-55-3	
Butylbenzylphthalate	**1.9U**	ug/L	4.8	1.9	1	04/12/11 21:55	04/21/11 07:44	85-68-7	
4-Chloro-3-methylphenol	**0.29U**	ug/L	19.0	0.29	1	04/12/11 21:55	04/21/11 07:44	59-50-7	
4-Chloroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:44	106-47-8	
bis(2-Chloroethoxy)methane	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	111-91-1	
bis(2-Chloroethyl) ether	**0.20U**	ug/L	3.8	0.20	1	04/12/11 21:55	04/21/11 07:44	111-44-4	
bis(2-Chloroisopropyl) ether	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 07:44	108-60-1	
2-Chloronaphthalene	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 07:44	91-58-7	
2-Chlorophenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	95-57-8	
4-Chlorophenylphenyl ether	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 07:44	7005-72-3	
Chrysene	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:44	218-01-9	
Diallate	**0.20U**	ug/L	4.8	0.20	1	04/12/11 21:55	04/21/11 07:44	2303-16-4	
Dibenz(a,h)anthracene	**1.7U**	ug/L	1.9	1.7	1	04/12/11 21:55	04/21/11 07:44	53-70-3	
Dibenzofuran	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	132-64-9	
1,2-Dichlorobenzene	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 07:44	95-50-1	
1,3-Dichlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 07:44	541-73-1	
1,4-Dichlorobenzene	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 07:44	106-46-7	
3,3'-Dichlorobenzidine	**0.19U**	ug/L	9.5	0.19	1	04/12/11 21:55	04/21/11 07:44	91-94-1	
2,4-Dichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 07:44	120-83-2	
2,6-Dichlorophenol	**0.22U**	ug/L	3.8	0.22	1	04/12/11 21:55	04/21/11 07:44	87-65-0	
Diethylphthalate	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:44	84-66-2	
P-Dimethylaminoazobenzene	**0.29U**	ug/L	4.8	0.29	1	04/12/11 21:55	04/21/11 07:44	60-11-7	
7,12-Dimethylbenz(a)anthracene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 07:44	57-97-6	
3,3'-Dimethylbenzidine	**0.59U**	ug/L	9.5	0.59	1	04/12/11 21:55	04/21/11 07:44	119-93-7	
2,4-Dimethylphenol	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 07:44	105-67-9	
Dimethylphthalate	**0.16U**	ug/L	4.8	0.16	1	04/12/11 21:55	04/21/11 07:44	131-11-3	
Di-n-butylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:44	84-74-2	
4,6-Dinitro-2-methylphenol	**1.4U**	ug/L	19.0	1.4	1	04/12/11 21:55	04/21/11 07:44	534-52-1	
1,3-Dinitrobenzene	**0.30U**	ug/L	7.6	0.30	1	04/12/11 21:55	04/21/11 07:44	99-65-0	
2,4-Dinitrophenol	**1.1U**	ug/L	19.0	1.1	1	04/12/11 21:55	04/21/11 07:44	51-28-5	
2,4-Dinitrotoluene	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 07:44	121-14-2	
2,6-Dinitrotoluene	**0.21U**	ug/L	1.9	0.21	1	04/12/11 21:55	04/21/11 07:44	606-20-2	
Di-n-octylphthalate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:44	117-84-0	
bis(2-Ethylhexyl)phthalate	**0.92U**	ug/L	4.8	0.92	1	04/12/11 21:55	04/21/11 07:44	117-81-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-27D **Lab ID: 3528901008** Collected: 04/06/11 15:11 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
Ethyl methanesulfonate	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 07:44	62-50-0	
Fluoranthene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:44	206-44-0	
Fluorene	**1.7U**	ug/L	4.8	1.7	1	04/12/11 21:55	04/21/11 07:44	86-73-7	
Hexachlorobenzene	**0.18U**	ug/L	0.95	0.18	1	04/12/11 21:55	04/21/11 07:44	118-74-1	
Hexachlorocyclopentadiene	**1.0U**	ug/L	4.8	1.0	1	04/12/11 21:55	04/21/11 07:44	77-47-4	
Hexachloroethane	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 07:44	67-72-1	
Hexachloropropene	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 07:44	1888-71-7	
Indeno(1,2,3-cd)pyrene	**1.8U**	ug/L	1.9	1.8	1	04/12/11 21:55	04/21/11 07:44	193-39-5	
Isodrin	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 07:44	465-73-6	
Isophorone	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	78-59-1	
Isosafrole	**0.14U**	ug/L	4.8	0.14	1	04/12/11 21:55	04/21/11 07:44	120-58-1	1p
Kepone	**5.0U**	ug/L	20.0	5.0	1	04/12/11 21:55	04/21/11 07:44	143-50-0	
Methapyrilene	**0.50U**	ug/L	4.8	0.50	1	04/12/11 21:55	04/21/11 07:44	91-80-5	J(L2)
3-Methylcholanthrene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	56-49-5	
Methyl methanesulfonate	**0.17U**	ug/L	4.8	0.17	1	04/12/11 21:55	04/21/11 07:44	66-27-3	1p
2-Methylnaphthalene	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	91-57-6	
2-Methylphenol(o-Cresol)	**1.2U**	ug/L	4.8	1.2	1	04/12/11 21:55	04/21/11 07:44	95-48-7	
3&4-Methylphenol(m&p Cresol)	**0.15U**	ug/L	9.5	0.15	1	04/12/11 21:55	04/21/11 07:44		
2-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 07:44	91-59-8	
Naphthalene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:44	91-20-3	
1-Naphthylamine	**0.28U**	ug/L	4.8	0.28	1	04/12/11 21:55	04/21/11 07:44	134-32-7	
1,4-Naphthoquinone	**1.8U**	ug/L	4.8	1.8	1	04/12/11 21:55	04/21/11 07:44	130-15-4	
2-Nitroaniline	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:44	88-74-4	
3-Nitroaniline	**0.30U**	ug/L	4.8	0.30	1	04/12/11 21:55	04/21/11 07:44	99-09-2	
4-Nitroaniline	**1.8U**	ug/L	3.8	1.8	1	04/12/11 21:55	04/21/11 07:44	100-01-6	
Nitrobenzene	**0.39U**	ug/L	3.8	0.39	1	04/12/11 21:55	04/21/11 07:44	98-95-3	
2-Nitrophenol	**0.23U**	ug/L	4.8	0.23	1	04/12/11 21:55	04/21/11 07:44	88-75-5	
4-Nitrophenol	**0.74U**	ug/L	19.0	0.74	1	04/12/11 21:55	04/21/11 07:44	100-02-7	
5-Nitro-o-toluidine	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	99-55-8	
N-Nitrosodiethylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 07:44	55-18-5	
N-Nitrosodimethylamine	**0.13U**	ug/L	1.9	0.13	1	04/12/11 21:55	04/21/11 07:44	62-75-9	
N-Nitroso-di-n-butylamine	**0.21U**	ug/L	3.8	0.21	1	04/12/11 21:55	04/21/11 07:44	924-16-3	
N-Nitroso-di-n-propylamine	**0.25U**	ug/L	3.8	0.25	1	04/12/11 21:55	04/21/11 07:44	621-64-7	
N-Nitrosodiphenylamine	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 07:44	86-30-6	
N-Nitrosomethylethylamine	**0.32U**	ug/L	4.8	0.32	1	04/12/11 21:55	04/21/11 07:44	10595-95-6	
N-Nitrosopiperidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:44	100-75-4	
N-Nitrosopyrrolidine	**0.21U**	ug/L	4.8	0.21	1	04/12/11 21:55	04/21/11 07:44	930-55-2	
O,O,O-Triethylphosphorothioate	**0.25U**	ug/L	4.8	0.25	1	04/12/11 21:55	04/21/11 07:44	126-68-1	
Pentachlorobenzene	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:44	608-93-5	
Phenacetin	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:44	62-44-2	
Phenanthrene	**0.12U**	ug/L	4.8	0.12	1	04/12/11 21:55	04/21/11 07:44	85-01-8	
Phenol	**0.13U**	ug/L	4.8	0.13	1	04/12/11 21:55	04/21/11 07:44	108-95-2	
p-Phenylenediamine	**10.0U**	ug/L	20.0	10.0	1	04/12/11 21:55	04/21/11 07:44	106-50-3	
Pronamide	**0.19U**	ug/L	4.8	0.19	1	04/12/11 21:55	04/21/11 07:44	23950-58-5	
Pyrene	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 07:44	129-00-0	
Safrole	**0.22U**	ug/L	4.8	0.22	1	04/12/11 21:55	04/21/11 07:44	94-59-7	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3528901

Sample: 2MW-27D **Lab ID: 3528901008** Collected: 04/06/11 15:11 Received: 04/09/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV SemiVOA App. II	Analytical Method: EPA 8270 Preparation Method: EPA 3510								
1,2,4,5-Tetrachlorobenzene	**1.4U**	ug/L	4.8	1.4	1	04/12/11 21:55	04/21/11 07:44	95-94-3	
2,3,4,6-Tetrachlorophenol	**1.6U**	ug/L	4.8	1.6	1	04/12/11 21:55	04/21/11 07:44	58-90-2	
Thionazin	**0.26U**	ug/L	4.8	0.26	1	04/12/11 21:55	04/21/11 07:44	297-97-2	
O-Toluidine	**0.24U**	ug/L	4.8	0.24	1	04/12/11 21:55	04/21/11 07:44	95-53-4	
2,4,5-Trichlorophenol	**0.16U**	ug/L	3.8	0.16	1	04/12/11 21:55	04/21/11 07:44	95-95-4	
2,4,6-Trichlorophenol	**0.18U**	ug/L	1.9	0.18	1	04/12/11 21:55	04/21/11 07:44	88-06-2	
1,3,5-Trinitrobenzene	**0.18U**	ug/L	4.8	0.18	1	04/12/11 21:55	04/21/11 07:44	99-35-4	
Nitrobenzene-d5 (S)	53	%	10-110		1	04/12/11 21:55	04/21/11 07:44	4165-60-0	
2-Fluorobiphenyl (S)	73	%	18-110		1	04/12/11 21:55	04/21/11 07:44	321-60-8	
Terphenyl-d14 (S)	87	%	10-123		1	04/12/11 21:55	04/21/11 07:44	1718-51-0	
Phenol-d6 (S)	20	%	10-110		1	04/12/11 21:55	04/21/11 07:44	13127-88-3	
2-Fluorophenol (S)	33	%	18-110		1	04/12/11 21:55	04/21/11 07:44	367-12-4	
2,4,6-Tribromophenol (S)	71	%	10-110		1	04/12/11 21:55	04/21/11 07:44	118-79-6	
8270 MSSV PAH by SCAN	Analytical Method: EPA 8270 by SCAN Preparation Method: EPA 3510								
Acenaphthene	**0.029U**	ug/L	0.96	0.029	1	04/12/11 16:13	04/13/11 23:30	83-32-9	
Acenaphthylene	**0.048U**	ug/L	1.9	0.048	1	04/12/11 16:13	04/13/11 23:30	208-96-8	
Anthracene	**0.048U**	ug/L	0.96	0.048	1	04/12/11 16:13	04/13/11 23:30	120-12-7	
Benzo(a)anthracene	**0.058U**	ug/L	0.19	0.058	1	04/12/11 16:13	04/13/11 23:30	56-55-3	
Benzo(a)pyrene	**0.069 I**	ug/L	0.19	0.048	1	04/12/11 16:13	04/13/11 23:30	50-32-8	
Benzo(b)fluoranthene	**0.048U**	ug/L	0.096	0.048	1	04/12/11 16:13	04/13/11 23:30	205-99-2	
Benzo(g,h,i)perylene	**0.058U**	ug/L	0.96	0.058	1	04/12/11 16:13	04/13/11 23:30	191-24-2	
Benzo(k)fluoranthene	**0.052 I**	ug/L	0.24	0.039	1	04/12/11 16:13	04/13/11 23:30	207-08-9	
Chrysene	**0.058U**	ug/L	0.96	0.058	1	04/12/11 16:13	04/13/11 23:30	218-01-9	
Dibenz(a,h)anthracene	**0.048U**	ug/L	0.19	0.048	1	04/12/11 16:13	04/13/11 23:30	53-70-3	
Fluoranthene	**0.058U**	ug/L	0.96	0.058	1	04/12/11 16:13	04/13/11 23:30	206-44-0	
Fluorene	**0.029U**	ug/L	0.96	0.029	1	04/12/11 16:13	04/13/11 23:30	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.039U**	ug/L	0.14	0.039	1	04/12/11 16:13	04/13/11 23:30	193-39-5	
1-Methylnaphthalene	**0.087U**	ug/L	1.4	0.087	1	04/12/11 16:13	04/13/11 23:30	90-12-0	
2-Methylnaphthalene	**0.058U**	ug/L	1.4	0.058	1	04/12/11 16:13	04/13/11 23:30	91-57-6	
Naphthalene	**0.077U**	ug/L	0.96	0.077	1	04/12/11 16:13	04/13/11 23:30	91-20-3	
Phenanthrene	**0.048U**	ug/L	0.96	0.048	1	04/12/11 16:13	04/13/11 23:30	85-01-8	
Pyrene	**0.058U**	ug/L	0.96	0.058	1	04/12/11 16:13	04/13/11 23:30	129-00-0	
2-Fluorobiphenyl (S)	75	%	43.9-113		1	04/12/11 16:13	04/13/11 23:30	321-60-8	
Terphenyl-d14 (S)	95	%	24.8-144		1	04/12/11 16:13	04/13/11 23:30	1718-51-0	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

QC Batch: MPRP/4427 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 3528901003, 3528901005

METHOD BLANK: 190222 | Matrix: Water
Associated Lab Samples: 3528901003, 3528901005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	04/12/11 22:22	

LABORATORY CONTROL SAMPLE: 190223

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	253	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 190224 190225

Parameter	Units	3528736010 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.0U	250	250	254	258	101	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

QC Batch: OEXT/4488 Analysis Method: EPA 8270
QC Batch Method: EPA 3510 Analysis Description: 8270 Water MSSV App II
Associated Lab Samples: 3528901001, 3528901002, 3528901003, 3528901004, 3528901006, 3528901007, 3528901008

METHOD BLANK: 189910 Matrix: Water
Associated Lab Samples: 3528901001, 3528901002, 3528901003, 3528901004, 3528901006, 3528901007, 3528901008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	1.5U	5.0	04/21/11 05:41	
1,2-Dichlorobenzene	ug/L	0.23U	5.0	04/21/11 05:41	
1,3,5-Trinitrobenzene	ug/L	0.19U	5.0	04/21/11 05:41	
1,3-Dichlorobenzene	ug/L	1.5U	5.0	04/21/11 05:41	
1,3-Dinitrobenzene	ug/L	0.32U	8.0	04/21/11 05:41	
1,4-Dichlorobenzene	ug/L	0.17U	5.0	04/21/11 05:41	
1,4-Naphthoquinone	ug/L	1.9U	5.0	04/21/11 05:41	
1-Naphthylamine	ug/L	0.29U	5.0	04/21/11 05:41	
2,3,4,6-Tetrachlorophenol	ug/L	1.6U	5.0	04/21/11 05:41	
2,4,5-Trichlorophenol	ug/L	0.17U	4.0	04/21/11 05:41	
2,4,6-Trichlorophenol	ug/L	0.19U	2.0	04/21/11 05:41	
2,4-Dichlorophenol	ug/L	0.19U	2.0	04/21/11 05:41	
2,4-Dimethylphenol	ug/L	0.27U	5.0	04/21/11 05:41	
2,4-Dinitrophenol	ug/L	1.1U	20.0	04/21/11 05:41	
2,4-Dinitrotoluene	ug/L	0.14U	2.0	04/21/11 05:41	
2,6-Dichlorophenol	ug/L	0.23U	4.0	04/21/11 05:41	
2,6-Dinitrotoluene	ug/L	0.22U	2.0	04/21/11 05:41	
2-Acetylaminofluorene	ug/L	0.25U	5.0	04/21/11 05:41	
2-Chloronaphthalene	ug/L	0.21U	5.0	04/21/11 05:41	
2-Chlorophenol	ug/L	0.14U	5.0	04/21/11 05:41	
2-Methylnaphthalene	ug/L	0.14U	5.0	04/21/11 05:41	
2-Methylphenol(o-Cresol)	ug/L	1.3U	5.0	04/21/11 05:41	
2-Naphthylamine	ug/L	0.29U	5.0	04/21/11 05:41	
2-Nitroaniline	ug/L	0.20U	5.0	04/21/11 05:41	
2-Nitrophenol	ug/L	0.24U	5.0	04/21/11 05:41	
3&4-Methylphenol(m&p Cresol)	ug/L	0.16U	10.0	04/21/11 05:41	
3,3'-Dichlorobenzidine	ug/L	0.20U	10.0	04/21/11 05:41	
3,3'-Dimethylbenzidine	ug/L	0.62U	10.0	04/21/11 05:41	
3-Methylcholanthrene	ug/L	0.14U	5.0	04/21/11 05:41	
3-Nitroaniline	ug/L	0.32U	5.0	04/21/11 05:41	
4,6-Dinitro-2-methylphenol	ug/L	1.5U	20.0	04/21/11 05:41	
4-Aminobiphenyl	ug/L	0.19U	5.0	04/21/11 05:41	
4-Bromophenylphenyl ether	ug/L	0.25U	5.0	04/21/11 05:41	
4-Chloro-3-methylphenol	ug/L	0.30U	20.0	04/21/11 05:41	
4-Chloroaniline	ug/L	0.20U	5.0	04/21/11 05:41	
4-Chlorophenylphenyl ether	ug/L	1.9U	5.0	04/21/11 05:41	
4-Nitroaniline	ug/L	1.8U	4.0	04/21/11 05:41	
4-Nitrophenol	ug/L	0.78U	20.0	04/21/11 05:41	
5-Nitro-o-toluidine	ug/L	0.14U	5.0	04/21/11 05:41	
7,12-Dimethylbenz(a)anthracene	ug/L	0.13U	5.0	04/21/11 05:41	
Acenaphthene	ug/L	0.18U	5.0	04/21/11 05:41	
Acenaphthylene	ug/L	1.8U	5.0	04/21/11 05:41	
Acetophenone	ug/L	1.5U	5.0	04/21/11 05:41	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

METHOD BLANK: 189910 Matrix: Water

Associated Lab Samples: 3528901001, 3528901002, 3528901003, 3528901004, 3528901006, 3528901007, 3528901008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Anthracene	ug/L	0.18U	5.0	04/21/11 05:41	
Benzo(a)anthracene	ug/L	1.8U	5.0	04/21/11 05:41	
Benzo(a)pyrene	ug/L	0.14U	1.0	04/21/11 05:41	
Benzo(b)fluoranthene	ug/L	1.8U	2.0	04/21/11 05:41	
Benzo(g,h,i)perylene	ug/L	1.8U	5.0	04/21/11 05:41	
Benzo(k)fluoranthene	ug/L	0.11U	4.0	04/21/11 05:41	
Benzyl alcohol	ug/L	0.31U	5.0	04/21/11 05:41	
bis(2-Chloroethoxy)methane	ug/L	0.14U	5.0	04/21/11 05:41	
bis(2-Chloroethyl) ether	ug/L	0.21U	4.0	04/21/11 05:41	
bis(2-Chloroisopropyl) ether	ug/L	0.26U	5.0	04/21/11 05:41	
bis(2-Ethylhexyl)phthalate	ug/L	0.97U	5.0	04/21/11 05:41	
Butylbenzylphthalate	ug/L	2.0U	5.0	04/21/11 05:41	
Chrysene	ug/L	0.18U	5.0	04/21/11 05:41	
Di-n-butylphthalate	ug/L	0.18U	5.0	04/21/11 05:41	
Di-n-octylphthalate	ug/L	0.18U	5.0	04/21/11 05:41	
Diallate	ug/L	0.21U	5.0	04/21/11 05:41	
Dibenz(a,h)anthracene	ug/L	1.8U	2.0	04/21/11 05:41	
Dibenzofuran	ug/L	0.14U	5.0	04/21/11 05:41	
Diethylphthalate	ug/L	0.20U	5.0	04/21/11 05:41	
Dimethylphthalate	ug/L	0.17U	5.0	04/21/11 05:41	
Ethyl methanesulfonate	ug/L	0.23U	5.0	04/21/11 05:41	
Fluoranthene	ug/L	1.8U	5.0	04/21/11 05:41	
Fluorene	ug/L	1.7U	5.0	04/21/11 05:41	
Hexachlorobenzene	ug/L	0.19U	1.0	04/21/11 05:41	
Hexachlorocyclopentadiene	ug/L	1.1U	5.0	04/21/11 05:41	
Hexachloroethane	ug/L	0.24U	5.0	04/21/11 05:41	
Hexachloropropene	ug/L	0.24U	5.0	04/21/11 05:41	
Indeno(1,2,3-cd)pyrene	ug/L	1.8U	2.0	04/21/11 05:41	
Isodrin	ug/L	0.31U	5.0	04/21/11 05:41	
Isophorone	ug/L	0.14U	5.0	04/21/11 05:41	
Isosafrole	ug/L	0.15U	5.0	04/21/11 05:41	1p
Methapyrilene	ug/L	0.53U	5.0	04/21/11 05:41	
Methyl methanesulfonate	ug/L	0.18U	5.0	04/21/11 05:41	1p
N-Nitroso-di-n-butylamine	ug/L	0.22U	4.0	04/21/11 05:41	
N-Nitroso-di-n-propylamine	ug/L	0.26U	4.0	04/21/11 05:41	
N-Nitrosodiethylamine	ug/L	0.22U	4.0	04/21/11 05:41	
N-Nitrosodimethylamine	ug/L	0.14U	2.0	04/21/11 05:41	
N-Nitrosodiphenylamine	ug/L	0.13U	5.0	04/21/11 05:41	
N-Nitrosomethylethylamine	ug/L	0.34U	5.0	04/21/11 05:41	
N-Nitrosopiperidine	ug/L	0.25U	5.0	04/21/11 05:41	
N-Nitrosopyrrolidine	ug/L	0.22U	5.0	04/21/11 05:41	
Naphthalene	ug/L	0.20U	5.0	04/21/11 05:41	
Nitrobenzene	ug/L	0.41U	4.0	04/21/11 05:41	
O,O,O-Triethylphosphorothioate	ug/L	0.26U	5.0	04/21/11 05:41	
O-Toluidine	ug/L	0.25U	5.0	04/21/11 05:41	
P-Dimethylaminoazobenzene	ug/L	0.30U	5.0	04/21/11 05:41	
Pentachlorobenzene	ug/L	0.20U	5.0	04/21/11 05:41	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

METHOD BLANK: 189910 Matrix: Water

Associated Lab Samples: 3528901001, 3528901002, 3528901003, 3528901004, 3528901006, 3528901007, 3528901008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Phenacetin	ug/L	0.20U	5.0	04/21/11 05:41	
Phenanthrene	ug/L	0.13U	5.0	04/21/11 05:41	
Phenol	ug/L	0.14U	5.0	04/21/11 05:41	
Pronamide	ug/L	0.20U	5.0	04/21/11 05:41	
Pyrene	ug/L	1.7U	5.0	04/21/11 05:41	
Safrole	ug/L	0.23U	5.0	04/21/11 05:41	
Thionazin	ug/L	0.27U	5.0	04/21/11 05:41	
2,4,6-Tribromophenol (S)	%	66	10-110	04/21/11 05:41	
2-Fluorobiphenyl (S)	%	70	18-110	04/21/11 05:41	
2-Fluorophenol (S)	%	36	18-110	04/21/11 05:41	
Nitrobenzene-d5 (S)	%	50	10-110	04/21/11 05:41	
Phenol-d6 (S)	%	20	10-110	04/21/11 05:41	
Terphenyl-d14 (S)	%	95	10-123	04/21/11 05:41	

LABORATORY CONTROL SAMPLE: 189911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2,4,5-Tetrachlorobenzene	ug/L	50	41.4	83	10-146.9	
1,2-Dichlorobenzene	ug/L	50	33.3	67	23.5-105.7	
1,3,5-Trinitrobenzene	ug/L	50	43.8	88	41.4-102.4	
1,3-Dichlorobenzene	ug/L	50	33.7	67	25.5-94.5	
1,3-Dinitrobenzene	ug/L	50	42.0	84	45.3-116.4	
1,4-Dichlorobenzene	ug/L	50	32.4	65	33.2-90.7	
1,4-Naphthoquinone	ug/L	50	41.3	83	39.3-113.3	
1-Naphthylamine	ug/L	50	40.0	80	37.1-90.4	
2,3,4,6-Tetrachlorophenol	ug/L	50	39.3	79	14.3-115.3	
2,4,5-Trichlorophenol	ug/L	50	38.8	78	10-121.3	
2,4,6-Trichlorophenol	ug/L	50	38.3	77	40.3-101.7	
2,4-Dichlorophenol	ug/L	50	44.7	89	35.8-108.5	
2,4-Dimethylphenol	ug/L	50	36.2	72	25-104.5	
2,4-Dinitrophenol	ug/L	50	39.6	79	10-147.1	
2,4-Dinitrotoluene	ug/L	50	45.9	92	47.9-113.6	
2,6-Dichlorophenol	ug/L	50	43.5	87	41.1-101.8	
2,6-Dinitrotoluene	ug/L	50	42.4	85	44.6-111.5	
2-Acetylaminofluorene	ug/L	50	44.8	90	58.3-112.7	
2-Chloronaphthalene	ug/L	50	37.1	74	41.2-101.2	
2-Chlorophenol	ug/L	50	32.4	65	32.1-96.5	
2-Methylnaphthalene	ug/L	50	38.6	77	40-93.6	
2-Methylphenol(o-Cresol)	ug/L	50	31.3	63	36.7-95.1	
2-Naphthylamine	ug/L	50	38.9	78	42.4-98.8	
2-Nitroaniline	ug/L	50	37.2	74	59-103.2	
2-Nitrophenol	ug/L	50	36.0	72	38.4-108.9	
3&4-Methylphenol(m&p Cresol)	ug/L	50	28.7	57	35.2-94.3	
3,3'-Dichlorobenzidine	ug/L	50	51.3	103	30.7-106	
3,3'-Dimethylbenzidine	ug/L	50	16.8	34	10-160.1	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

LABORATORY CONTROL SAMPLE: 189911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
3-Methylcholanthrene	ug/L	50	43.6	87	15.5-121.4	
3-Nitroaniline	ug/L	50	42.0	84	25.3-131.5	
4,6-Dinitro-2-methylphenol	ug/L	50	42.1	84	35.2-130.5	
4-Aminobiphenyl	ug/L	50	33.2	66	50.8-112.6	
4-Bromophenylphenyl ether	ug/L	50	41.7	83	51.9-110.4	
4-Chloro-3-methylphenol	ug/L	50	40.5	81	19.4-128.8	
4-Chloroaniline	ug/L	50	37.9	76	30.1-108.4	
4-Chlorophenylphenyl ether	ug/L	50	40.2	80	49.7-91.5	
4-Nitroaniline	ug/L	50	37.4	75	48.1-112.2	
4-Nitrophenol	ug/L	50	15.5 I	31	10-121.8	
5-Nitro-o-toluidine	ug/L	50	41.3	83	43-113	
7,12-Dimethylbenz(a)anthracene	ug/L	50	35.7	71	52.5-108.6	
Acenaphthene	ug/L	50	34.9	70	50.3-98.3	
Acenaphthylene	ug/L	50	39.0	78	49-98.1	
Acetophenone	ug/L	50	37.6	75	40.6-94.3	
Anthracene	ug/L	50	42.3	85	55-112.5	
Benzo(a)anthracene	ug/L	50	43.2	86	10-150.1	
Benzo(a)pyrene	ug/L	50	41.0	82	59.7-108.4	
Benzo(b)fluoranthene	ug/L	50	41.4	83	58.4-111.8	
Benzo(g,h,i)perylene	ug/L	50	45.3	91	57.6-115.1	
Benzo(k)fluoranthene	ug/L	50	44.1	88	57.6-112.4	
Benzyl alcohol	ug/L	50	33.1	66	26.1-118	
bis(2-Chloroethoxy)methane	ug/L	50	40.5	81	41.2-96.2	
bis(2-Chloroethyl) ether	ug/L	50	33.8	68	35.3-99.5	
bis(2-Chloroisopropyl) ether	ug/L	50	36.5	73	36.3-91	
bis(2-Ethylhexyl)phthalate	ug/L	50	42.1	84	43.1-118.3	
Butylbenzylphthalate	ug/L	50	44.7	89	57.5-118.2	
Chrysene	ug/L	50	45.2	90	42.4-113.9	
Di-n-butylphthalate	ug/L	50	40.0	80	22.2-139.3	
Di-n-octylphthalate	ug/L	50	42.3	85	57.4-116.9	
Diallate	ug/L	50	38.2	76	44.3-111.7	
Dibenz(a,h)anthracene	ug/L	50	43.6	87	59.1-111.8	
Dibenzofuran	ug/L	50	41.9	84	45.3-108.3	
Diethylphthalate	ug/L	50	39.2	78	51.1-107.5	
Dimethylphthalate	ug/L	50	43.0	86	47.4-110.6	
Ethyl methanesulfonate	ug/L	50	33.8	68	35.9-103.6	
Fluoranthene	ug/L	50	44.8	90	48.2-118.6	
Fluorene	ug/L	50	39.3	79	44.7-106.4	
Hexachlorobenzene	ug/L	50	40.9	82	54-113.2	
Hexachlorocyclopentadiene	ug/L	50	35.0	70	16.5-105.1	
Hexachloroethane	ug/L	50	33.6	67	10-102	
Hexachloropropene	ug/L	50	38.3	77	29.1-84.2	
Indeno(1,2,3-cd)pyrene	ug/L	50	46.7	93	33.7-120.7	
Isodrin	ug/L	50	44.2	88	32.4-130.4	
Isophorone	ug/L	50	42.6	85	42.5-107.7	
Isosafrole	ug/L	50	41.3	83	45.8-99.3	1p
Methapyrilene	ug/L	50	6.2	12	17.8-119.5	2p
Methyl methanesulfonate	ug/L	50	28.7	57	10-107	1p

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

LABORATORY CONTROL SAMPLE: 189911

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
N-Nitroso-di-n-butylamine	ug/L	50	38.3	77	15.2-107.9	
N-Nitroso-di-n-propylamine	ug/L	50	38.2	76	19.1-111.6	
N-Nitrosodiethylamine	ug/L	50	33.7	67	10-130.6	
N-Nitrosodimethylamine	ug/L	50	19.0	38	10-132	
N-Nitrosodiphenylamine	ug/L	50	42.3	85	37-104.4	
N-Nitrosomethylethylamine	ug/L	50	30.5	61	10-135	
N-Nitrosopiperidine	ug/L	50	40.6	81	43.3-96.3	
N-Nitrosopyrrolidine	ug/L	50	33.4	67	43.1-97.2	
Naphthalene	ug/L	50	37.2	74	40.1-85.7	
Nitrobenzene	ug/L	50	41.9	84	32.9-115.9	
O,O,O-Triethylphosphorothioate	ug/L	50	39.4	79	48.5-99.9	
O-Toluidine	ug/L	50	35.7	71	21.2-134.1	
P-Dimethylaminoazobenzene	ug/L	50	50.8	102	44.6-142.5	
Pentachlorobenzene	ug/L	50	41.3	83	37.5-128.1	
Phenacetin	ug/L	50	38.3	77	19.3-143.2	
Phenanthrene	ug/L	50	42.8	86	49.2-124.2	
Phenol	ug/L	50	12.2	24	10-158.5	
Pronamide	ug/L	50	41.6	83	10-128.9	
Pyrene	ug/L	50	43.2	86	10-150.1	
Safrole	ug/L	50	37.3	75	10-135.9	
Thionazin	ug/L	50	44.4	89	45-105.7	
2,4,6-Tribromophenol (S)	%			79	10-110	
2-Fluorobiphenyl (S)	%			75	18-110	
2-Fluorophenol (S)	%			39	18-110	
Nitrobenzene-d5 (S)	%			79	10-110	
Phenol-d6 (S)	%			25	10-110	
Terphenyl-d14 (S)	%			83	10-123	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194634 194635

Parameter	Units	3528955001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2,4,5-Tetrachlorobenzene	ug/L	<1.4	100	100	69.4	69.9	69	70	10-146.9	.7	40	
1,2-Dichlorobenzene	ug/L	<0.22	100	100	52.8	55.9	53	56	23.5-105	6	40	
1,3,5-Trinitrobenzene	ug/L	<0.18	100	100	68.6	74.7	69	75	41.4-102	9	40	
1,3-Dichlorobenzene	ug/L	<1.4	100	100	80.8	83.5	81	83	25.5-94.	3	40	
1,3-Dinitrobenzene	ug/L	<0.30	100	100	82.8	83.0	83	83	45.3-116	.3	40	
1,4-Dichlorobenzene	ug/L	<0.16	100	100	54.5	56.6	55	57	33.2-90.	4	40	
1,4-Naphthoquinone	ug/L	<1.8	100	100	67.1	65.5	67	66	39.3-113	2	40	
1-Naphthylamine	ug/L	<0.28	100	100	86.7	89.2	87	89	37.1-90.	3	40	
2,3,4,6-Tetrachlorophenol	ug/L	<1.5	100	100	62.2	64.1	62	64	14.3-115	3	40	
2,4,5-Trichlorophenol	ug/L	<0.16	100	100	70.3	71.9	70	72	10-121.3	2	40	
2,4,6-Trichlorophenol	ug/L	<0.18	100	100	67.6	71.2	68	71	40.3-101	5	40	
2,4-Dichlorophenol	ug/L	<0.18	100	100	81.5	83.5	81	84	35.8-108	2	40	
2,4-Dimethylphenol	ug/L	<0.26	100	100	66.1	69.4	66	69	25-104.5	5	40	
2,4-Dinitrophenol	ug/L	<1.1	100	100	25.7 I	22.7 I	26	23	10-147.1		40	
2,4-Dinitrotoluene	ug/L	<0.13	100	100	88.3	83.8	88	84	47.9-113	5	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194634 194635

Parameter	Units	3528955001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
2,6-Dichlorophenol	ug/L	<0.22	100	100	71.3	72.8	71	73	41.1-101	2	40	
2,6-Dinitrotoluene	ug/L	<0.21	100	100	86.2	82.2	86	82	44.6-111	5	40	
2-Acetylaminofluorene	ug/L	<0.24	100	100	90.4	105	90	105	58.3-112	15	40	
2-Chloronaphthalene	ug/L	<0.20	100	100	65.2	69.5	65	69	41.2-101	6	40	
2-Chlorophenol	ug/L	<0.13	100	100	71.8	70.7	72	71	32.1-96.	2	40	
2-Methylnaphthalene	ug/L	<0.13	100	100	63.2	66.4	63	66	40-93.6	5	40	
2-Methylphenol(o-Cresol)	ug/L	<1.2	100	100	57.3	59.9	57	60	36.7-95.	4	40	
2-Naphthylamine	ug/L	<0.28	100	100	74.5	76.6	74	77	42.4-98.	3	40	
2-Nitroaniline	ug/L	<0.19	100	100	69.2	70.9	69	71	59-103.2	2	40	
2-Nitrophenol	ug/L	<0.23	100	100	63.6	66.4	64	66	38.4-108	4	40	
3&4-Methylphenol(m&p Cresol)	ug/L	<0.15	100	100	54.4	56.9	54	57	35.2-94.	5	40	
3,3'-Dichlorobenzidine	ug/L	<0.19	100	100	73.1	72.0	73	72	30.7-106	2	40	
3,3'-Dimethylbenzidine	ug/L	<0.59	100	100	51.0	52.2	51	52	10-160.1	2	40	
3-Methylcholanthrene	ug/L	<0.13	100	100	71.4	73.6	71	74	15.5-121	3	40	
3-Nitroaniline	ug/L	<0.30	100	100	79.2	69.1	79	69	25.3-131	14	40	
4,6-Dinitro-2-methylphenol	ug/L	<1.4	100	100	48.4	51.7	48	52	35.2-130	7	40	
4-Aminobiphenyl	ug/L	<0.18	100	100	57.1	62.0	57	62	50.8-112	8	40	
4-Bromophenylphenyl ether	ug/L	<0.24	100	100	69.2	69.0	69	69	51.9-110	.2	40	
4-Chloro-3-methylphenol	ug/L	<0.28	100	100	71.5	71.3	71	71	19.4-128	.3	40	
4-Chloroaniline	ug/L	<0.19	100	100	61.9	65.7	62	66	30.1-108	6	40	
4-Chlorophenylphenyl ether	ug/L	<1.8	100	100	76.2	74.4	76	74	49.7-91.	2	40	
4-Nitroaniline	ug/L	<1.8	100	100	72.1	76.1	72	76	48.1-112	5	40	
4-Nitrophenol	ug/L	<0.74	100	100	28.8 I	29.9 I	29	30	10-121.8		40	
5-Nitro-o-toluidine	ug/L	<0.13	100	100	81.4	73.8	81	74	43-113	10	40	
7,12-Dimethylbenz(a)anthracene	ug/L	<0.12	100	100	66.0	68.9	66	69	52.5-108	4	40	
Acenaphthene	ug/L	<0.17	100	100	64.7	63.0	65	63	50.3-98.	3	40	
Acenaphthylene	ug/L	<1.7	100	100	73.4	73.1	73	73	49-98.1	.5	40	
Acetophenone	ug/L	<1.4	100	100	61.3	67.0	61	67	40.6-94.	9	40	
Anthracene	ug/L	<0.17	100	100	74.7	78.0	75	78	55-112.5	4	40	
Benzo(a)anthracene	ug/L	<1.7	100	100	76.7	77.2	77	77	10-150.1	.7	40	
Benzo(a)pyrene	ug/L	<0.13	100	100	71.5	72.0	72	72	59.7-108	.7	40	
Benzo(b)fluoranthene	ug/L	<1.7	100	100	72.9	76.1	73	76	58.4-111	4	40	
Benzo(g,h,i)perylene	ug/L	<1.7	100	100	64.0	58.9	64	59	57.6-115	8	40	
Benzo(k)fluoranthene	ug/L	<0.10	100	100	76.8	77.2	77	77	57.6-112	.5	40	
Benzyl alcohol	ug/L	<0.29	100	100	59.9	63.9	60	64	26.1-118	6	40	
bis(2-Chloroethoxy)methane	ug/L	<0.13	100	100	62.2	70.0	62	70	41.2-96.	12	40	
bis(2-Chloroethyl) ether	ug/L	<0.20	100	100	54.0	58.6	54	59	35.3-99.	8	40	
bis(2-Chloroisopropyl) ether	ug/L	<0.25	100	100	59.4	59.5	59	59	36.3-91	.2	40	
bis(2-Ethylhexyl)phthalate	ug/L	9.2	100	100	79.6	79.9	70	71	43.1-118	.4	40	
Butylbenzylphthalate	ug/L	<1.9	100	100	78.4	79.5	78	80	57.5-118	1	40	
Chrysene	ug/L	<0.17	100	100	78.1	78.3	78	78	42.4-113	.3	40	
Di-n-butylphthalate	ug/L	<0.17	100	100	74.0	80.4	74	80	22.2-139	8	40	
Di-n-octylphthalate	ug/L	<0.17	100	100	80.4	82.2	80	82	57.4-116	2	40	
Diallate	ug/L	<0.20	100	100	72.8	67.7	73	68	44.3-111	7	40	
Dibenz(a,h)anthracene	ug/L	<1.7	100	100	61.6	57.2	62	57	59.1-111	7	40	J(M1)
Dibenzofuran	ug/L	<0.13	100	100	77.9	77.5	78	77	45.3-108	.6	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 194634 194635

Parameter	Units	3528955001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Diethylphthalate	ug/L	<0.19	100	100	73.1	71.3	73	71	51.1-107	2	40	
Dimethylphthalate	ug/L	0.16 I	100	100	80.5	77.0	80	77	47.4-110	4	40	
Ethyl methanesulfonate	ug/L	<0.22	100	100	57.8	58.0	58	58	35.9-103	.4	40	
Fluoranthene	ug/L	<1.7	100	100	87.6	96.6	88	97	48.2-118	10	40	
Fluorene	ug/L	<1.7	100	100	75.4	73.3	75	73	44.7-106	3	40	
Hexachlorobenzene	ug/L	<0.18	100	100	70.0	67.3	70	67	54-113.2	4	40	
Hexachlorocyclopentadiene	ug/L	<1.0	100	100	53.7	53.7	54	54	16.5-105	.1	40	
Hexachloroethane	ug/L	<0.23	100	100	49.8	54.9	50	55	10-102	10	40	
Hexachloropropene	ug/L	<0.23	100	100	71.0	72.8	71	73	29.1-84.	3	40	
Indeno(1,2,3-cd)pyrene	ug/L	<1.7	100	100	65.3	61.5	65	61	33.7-120	6	40	
Isodrin	ug/L	<0.29	100	100	83.3	91.7	83	92	32.4-130	10	40	
Isophorone	ug/L	<0.13	100	100	70.2	70.2	70	70	42.5-107	.05	40	
Isosafrole	ug/L	<0.14	100	100	69.6	71.6	70	72	45.8-99.	3	40	1p
Methapyrilene	ug/L	<0.50	100	100	69.3	78.2	69	78	17.8-119	12	40	
Methyl methanesulfonate	ug/L	<0.17	100	100	51.1	55.9	51	56	10-107	9	40	1p
N-Nitroso-di-n-butylamine	ug/L	<0.21	100	100	58.7	63.2	59	63	15.2-107	7	40	
N-Nitroso-di-n-propylamine	ug/L	<0.25	100	100	47.2	50.4	47	50	19.1-111	6	40	
N-Nitrosodiethylamine	ug/L	<0.21	100	100	46.4	52.7	46	53	10-130.6	13	40	
N-Nitrosodimethylamine	ug/L	<0.13	100	100	32.9	38.1	33	38	10-132	15	40	
N-Nitrosodiphenylamine	ug/L	<0.12	100	100	69.4	68.7	69	69	37-104.4	1	40	
N-Nitrosomethylethylamine	ug/L	<0.32	100	100	54.1	58.5	54	59	10-135	8	40	
N-Nitrosopiperidine	ug/L	<0.24	100	100	63.8	73.0	64	73	43.3-96.	13	40	
N-Nitrosopyrrolidine	ug/L	<0.21	100	100	51.5	55.0	51	55	43.1-97.	7	40	
Naphthalene	ug/L	<0.19	100	100	60.0	64.0	60	64	40.1-85.	6	40	
Nitrobenzene	ug/L	<0.39	100	100	70.8	73.2	71	73	32.9-115	3	40	
O,O,O-Triethylphosphorothioate	ug/L	<0.25	100	100	65.4	69.4	65	69	48.5-99.	6	40	
O-Toluidine	ug/L	<0.24	100	100	60.8	68.1	61	68	21.2-134	11	40	
P-Dimethylaminoazobenzene	ug/L	<0.28	100	100	95.1	108	95	108	44.6-142	13	40	
Pentachlorobenzene	ug/L	<0.19	100	100	80.1	79.0	80	79	37.5-128	1	40	
Phenacetin	ug/L	<0.19	100	100	63.6	69.0	64	69	19.3-143	8	40	
Phenanthrene	ug/L	<0.12	100	100	74.9	75.3	75	75	49.2-124	.5	40	
Phenol	ug/L	1.8 I	100	100	38.9	39.4	37	38	10-158.5	1	40	
Pronamide	ug/L	<0.19	100	100	70.5	73.2	71	73	10-128.9	4	40	
Pyrene	ug/L	<1.6	100	100	73.7	71.0	74	71	10-150.1	4	40	
Safrole	ug/L	<0.22	100	100	66.4	71.6	66	72	10-135.9	7	40	
Thionazin	ug/L	<0.26	100	100	70.1	69.6	70	70	45-105.7	.8	40	
2,4,6-Tribromophenol (S)	%						84	79	10-110			
2-Fluorobiphenyl (S)	%						68	69	18-110			
2-Fluorophenol (S)	%						43	45	18-110			
Nitrobenzene-d5 (S)	%						65	69	10-110			
Phenol-d6 (S)	%						31	31	10-110			
Terphenyl-d14 (S)	%						67	67	10-123			

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

QC Batch: OEXT/4496 | Analysis Method: EPA 8270 by SCAN
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water CPAH by SCAN MSSV
Associated Lab Samples: 3528901006, 3528901007, 3528901008

METHOD BLANK: 190267 | Matrix: Water
Associated Lab Samples: 3528901006, 3528901007, 3528901008

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.090U	1.5	04/13/11 16:30	
2-Methylnaphthalene	ug/L	0.060U	1.5	04/13/11 16:30	
Acenaphthene	ug/L	0.030U	1.0	04/13/11 16:30	
Acenaphthylene	ug/L	0.050U	2.0	04/13/11 16:30	
Anthracene	ug/L	0.050U	1.0	04/13/11 16:30	
Benzo(a)anthracene	ug/L	0.060U	0.20	04/13/11 16:30	
Benzo(a)pyrene	ug/L	0.050U	0.20	04/13/11 16:30	
Benzo(b)fluoranthene	ug/L	0.050U	0.10	04/13/11 16:30	
Benzo(g,h,i)perylene	ug/L	0.060U	1.0	04/13/11 16:30	
Benzo(k)fluoranthene	ug/L	0.040U	0.25	04/13/11 16:30	
Chrysene	ug/L	0.060U	1.0	04/13/11 16:30	
Dibenz(a,h)anthracene	ug/L	0.050U	0.20	04/13/11 16:30	
Fluoranthene	ug/L	0.060U	1.0	04/13/11 16:30	
Fluorene	ug/L	0.030U	1.0	04/13/11 16:30	
Indeno(1,2,3-cd)pyrene	ug/L	0.040U	0.15	04/13/11 16:30	
Naphthalene	ug/L	0.080U	1.0	04/13/11 16:30	
Phenanthrene	ug/L	0.050U	1.0	04/13/11 16:30	
Pyrene	ug/L	0.060U	1.0	04/13/11 16:30	
2-Fluorobiphenyl (S)	%	80	43.9-113	04/13/11 16:30	
Terphenyl-d14 (S)	%	103	24.8-144	04/13/11 16:30	

LABORATORY CONTROL SAMPLE & LCSD: 190268 190624

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1-Methylnaphthalene	ug/L	5	4.0	4.2	79	85	46.7-104	7	40	
2-Methylnaphthalene	ug/L	5	4.0	4.1	79	82	49.4-106	4	40	
Acenaphthene	ug/L	5	4.1	4.3	82	85	42.7-109	4	40	
Acenaphthylene	ug/L	5	4.0	4.2	81	85	53.2-107	5	40	
Anthracene	ug/L	5	4.5	4.5	91	91	52.2-112	.3	40	
Benzo(a)anthracene	ug/L	5	4.6	4.5	93	90	57.5-115	3	40	
Benzo(a)pyrene	ug/L	5	4.7	4.5	94	91	61.8-104	3	40	
Benzo(b)fluoranthene	ug/L	5	4.7	4.5	94	90	61.6-120	5	40	
Benzo(g,h,i)perylene	ug/L	5	3.5	3.5	70	69	41.6-122	1	40	
Benzo(k)fluoranthene	ug/L	5	4.9	4.8	97	97	53.3-106	.2	40	
Chrysene	ug/L	5	4.8	4.8	96	95	48-121	.4	40	
Dibenz(a,h)anthracene	ug/L	5	3.6	3.5	72	70	38.3-110	4	40	
Fluoranthene	ug/L	5	4.6	4.6	92	93	46.8-122	1	40	
Fluorene	ug/L	5	4.2	4.3	84	86	50.5-107	2	40	
Indeno(1,2,3-cd)pyrene	ug/L	5	3.9	3.9	79	78	42.4-108	1	40	
Naphthalene	ug/L	5	4.0	4.1	79	82	43.9-99.6	3	40	
Phenanthrene	ug/L	5	4.3	4.3	85	86	54.3-107	2	40	

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Pace Analytical Services, Inc.
8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

LABORATORY CONTROL SAMPLE & LCSD: 190268 190624

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Pyrene	ug/L	5	4.8	4.6	95	93	48.5-120	3	40	
2-Fluorobiphenyl (S)	%				78	82	43.9-113			
Terphenyl-d14 (S)	%				98	97	24.8-144			

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

QC Batch: OEXT/4513 | Analysis Method: EPA 8270 by SCAN
QC Batch Method: EPA 3510 | Analysis Description: 8270 Water CPAH by SCAN MSSV
Associated Lab Samples: 3528901001, 3528901002, 3528901003, 3528901004

METHOD BLANK: 190814 | Matrix: Water
Associated Lab Samples: 3528901001, 3528901002, 3528901003, 3528901004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	ug/L	0.090U	1.5	04/14/11 14:49	
2-Methylnaphthalene	ug/L	0.060U	1.5	04/14/11 14:49	
Acenaphthene	ug/L	0.030U	1.0	04/14/11 14:49	
Acenaphthylene	ug/L	0.050U	2.0	04/14/11 14:49	
Anthracene	ug/L	0.050U	1.0	04/14/11 14:49	
Benzo(a)anthracene	ug/L	0.060U	0.20	04/14/11 14:49	
Benzo(a)pyrene	ug/L	0.050U	0.20	04/14/11 14:49	
Benzo(b)fluoranthene	ug/L	0.050U	0.10	04/14/11 14:49	
Benzo(g,h,i)perylene	ug/L	0.060U	1.0	04/14/11 14:49	
Benzo(k)fluoranthene	ug/L	0.040U	0.25	04/14/11 14:49	
Chrysene	ug/L	0.060U	1.0	04/14/11 14:49	
Dibenz(a,h)anthracene	ug/L	0.050U	0.20	04/14/11 14:49	
Fluoranthene	ug/L	0.060U	1.0	04/14/11 14:49	
Fluorene	ug/L	0.030U	1.0	04/14/11 14:49	
Indeno(1,2,3-cd)pyrene	ug/L	0.040U	0.15	04/14/11 14:49	
Naphthalene	ug/L	0.080U	1.0	04/14/11 14:49	
Phenanthrene	ug/L	0.050U	1.0	04/14/11 14:49	
Pyrene	ug/L	0.060U	1.0	04/14/11 14:49	
2-Fluorobiphenyl (S)	%	69	43.9-113	04/14/11 14:49	
Terphenyl-d14 (S)	%	86	24.8-144	04/14/11 14:49	

LABORATORY CONTROL SAMPLE: 190815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	ug/L	5	3.8	76	46.7-104	
2-Methylnaphthalene	ug/L	5	3.8	77	49.4-106	
Acenaphthene	ug/L	5	3.8	77	42.7-109	
Acenaphthylene	ug/L	5	3.8	77	53.2-107	
Anthracene	ug/L	5	4.3	86	52.2-112	
Benzo(a)anthracene	ug/L	5	4.3	85	57.5-115	
Benzo(a)pyrene	ug/L	5	4.3	87	61.8-104	
Benzo(b)fluoranthene	ug/L	5	4.5	90	61.6-120	
Benzo(g,h,i)perylene	ug/L	5	3.5	71	41.6-122	
Benzo(k)fluoranthene	ug/L	5	4.5	89	53.3-106	
Chrysene	ug/L	5	4.4	87	48-121	
Dibenz(a,h)anthracene	ug/L	5	3.7	75	38.3-110	
Fluoranthene	ug/L	5	4.3	87	46.8-122	
Fluorene	ug/L	5	4.0	81	50.5-107	
Indeno(1,2,3-cd)pyrene	ug/L	5	4.2	84	42.4-108	
Naphthalene	ug/L	5	3.9	78	43.9-99.6	
Phenanthrene	ug/L	5	4.1	82	54.3-107	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3528901

LABORATORY CONTROL SAMPLE: 190815

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Pyrene	ug/L	5	4.5	89	48.5-120	
2-Fluorobiphenyl (S)	%			77	43.9-113	
Terphenyl-d14 (S)	%			91	24.8-144	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 191097 191098

Parameter	Units	3528885001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	ug/L	0.086U	10	10	7.2	8.0	72	80	46.7-104	10	40	
2-Methylnaphthalene	ug/L	0.057U	10	10	7.2	8.0	72	80	49.4-106	10	40	
Acenaphthene	ug/L	0.029U	10	10	7.4	8.1	74	81	42.7-109	10	40	
Acenaphthylene	ug/L	0.048U	10	10	7.4	8.2	74	82	53.2-107	10	40	
Anthracene	ug/L	0.048U	10	10	7.9	8.9	79	89	52.2-112	11	40	
Benzo(a)anthracene	ug/L	0.057U	10	10	7.9	8.8	79	88	57.5-115	11	40	
Benzo(a)pyrene	ug/L	0.048U	10	10	8.0	9.2	80	92	61.8-104	14	40	
Benzo(b)fluoranthene	ug/L	0.048U	10	10	8.1	9.0	81	90	61.6-120	11	40	
Benzo(g,h,i)perylene	ug/L	0.057U	10	10	8.1	9.1	81	91	41.6-122	12	40	
Benzo(k)fluoranthene	ug/L	0.038U	10	10	8.1	9.6	81	96	53.3-106	18	40	
Chrysene	ug/L	0.057U	10	10	8.1	9.2	81	92	48-121	13	40	
Dibenz(a,h)anthracene	ug/L	0.048U	10	10	8.0	9.3	80	93	38.3-110	15	40	
Fluoranthene	ug/L	0.057U	10	10	8.0	9.1	80	91	46.8-122	13	40	
Fluorene	ug/L	0.029U	10	10	7.7	8.6	77	86	50.5-107	11	40	
Indeno(1,2,3-cd)pyrene	ug/L	0.038U	10	10	8.1	9.2	81	92	42.4-108	12	40	
Naphthalene	ug/L	0.085 I	10	10	7.0	7.8	69	77	43.9-99.	10	40	
Phenanthrene	ug/L	0.048U	10	10	7.6	8.5	76	85	54.3-107	12	40	
Pyrene	ug/L	0.057U	10	10	8.1	9.2	81	92	48.5-120	13	40	
2-Fluorobiphenyl (S)	%						74	81	43.9-113			
Terphenyl-d14 (S)	%						83	92	24.8-144			

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(386)672-5668

QUALIFIERS

Project: Resource Recovery
Pace Project No.: 3528901

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Pace Analytical is NELAP accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

BATCH QUALIFIERS

Batch: OEXT/4496

[M5]	A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
1p	Analyte failed to meet secondary source verification criteria. Any value reported should be considered an estimated value.
2p	The recovery for the LCS was outside method guidance criteria low bias. However, the NELAC standards consider the batch in control with up to 5 analytes exceeding the recommended control limits for methods with more than 90 analytes in the list.
J(L2)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results for this analyte in associated samples may be biased low.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery
Pace Project No.: 3528901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3528901003	**2MW-25D**	EPA 3010	MPRP/4427	EPA 6010	ICP/3237
3528901005	**4MW-21**	EPA 3010	MPRP/4427	EPA 6010	ICP/3237
3528901001	**2MW-24S**	EPA 3510	OEXT/4488	EPA 8270	MSSV/2077
3528901002	**2MW-24D**	EPA 3510	OEXT/4488	EPA 8270	MSSV/2077
3528901003	**2MW-25D**	EPA 3510	OEXT/4488	EPA 8270	MSSV/2077
3528901004	**2MW-26D**	EPA 3510	OEXT/4488	EPA 8270	MSSV/2077
3528901006	**4MW-27D**	EPA 3510	OEXT/4488	EPA 8270	MSSV/2077
3528901007	**4MW-27**	EPA 3510	OEXT/4488	EPA 8270	MSSV/2077
3528901008	**2MW-27D**	EPA 3510	OEXT/4488	EPA 8270	MSSV/2077
3528901001	**2MW-24S**	EPA 3510	OEXT/4513	EPA 8270 by SCAN	MSSV/2063
3528901002	**2MW-24D**	EPA 3510	OEXT/4513	EPA 8270 by SCAN	MSSV/2063
3528901003	**2MW-25D**	EPA 3510	OEXT/4513	EPA 8270 by SCAN	MSSV/2063
3528901004	**2MW-26D**	EPA 3510	OEXT/4513	EPA 8270 by SCAN	MSSV/2063
3528901006	**4MW-27D**	EPA 3510	OEXT/4496	EPA 8270 by SCAN	MSSV/2059
3528901007	**4MW-27**	EPA 3510	OEXT/4496	EPA 8270 by SCAN	MSSV/2059
3528901008	**2MW-27D**	EPA 3510	OEXT/4496	EPA 8270 by SCAN	MSSV/2059

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(386)672-5668

May 03, 2011

Ms. Candia E. Mulhern
Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654

RE: Project: Resource Recovery
Pace Project No.: 3528901

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on April 09, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current NELAC standards, where applicable, unless otherwise narrated in the body of the report.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Sakina Mckenzie

sakina.mckenzie@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Resource Recovery
Pace Project No.: 3528901

Ormond Beach Certification IDs
8 East Tower Circle, Ormond Beach, FL 32174
Alabama Certification #: 41320
Arizona Certification #: AZ0735
Colorado Certification: FL NELAC Reciprocity
Connecticut Certification #: PH 0216
Florida Certification #: E83079
Georgia Certification #: 955
Guam Certification: FL NELAC Reciprocity
Hawaii Certification: FL NELAC Reciprocity
Kansas Certification #: E-10383
Kentucky Certification #: 90050
Louisiana Certification #: LA090012
Louisiana Environmental Certificate #: 05007
Maine Certification #: FL1264
Massachusetts Certification #: M-FL1264
Michigan Certification #: 9911
Mississippi Certification: FL NELAC Reciprocity
Montana Certification #: Cert 0074
Nevada Certification: FL NELAC Reciprocity
New Hampshire Certification #: 2958
New Jersey Certification #: FL765
New York Certification #: 11608
North Carolina Environmental Certificate #: 667
North Carolina Certification #: 12710
Pennsylvania Certification #: 68-547
Puerto Rico Certification #: FL01264
Tennessee Certification #: TN02974
Texas Certification: FL NELAC Reciprocity
Virginia Certification #: 00432
Wyoming Certification: FL NELAC Reciprocity

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SAMPLE SUMMARY

Project: Resource Recovery
Pace Project No.: 3528901

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3528901001	2MW-24S	Water	04/07/11 09:53	04/09/11 08:00
3528901002	2MW-24D	Water	04/07/11 10:53	04/09/11 08:00
3528901003	2MW-25D	Water	04/07/11 12:20	04/09/11 08:00
3528901004	2MW-26D	Water	04/07/11 13:45	04/09/11 08:00
3528901005	4MW-21	Water	04/07/11 14:48	04/09/11 08:00
3528901006	4MW-27D	Water	04/06/11 11:20	04/09/11 08:00
3528901007	4MW-27	Water	04/06/11 13:49	04/09/11 08:00
3528901008	2MW-27D	Water	04/06/11 15:11	04/09/11 08:00

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SAMPLE ANALYTE COUNT

Project: Resource Recovery
Pace Project No.: 3528901

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3528901001	2MW-24S	EPA 8270	EAO	105	PASI-O
		EPA 8270 by SCAN	WFH	20	PASI-O
3528901002	2MW-24D	EPA 8270	EAO	105	PASI-O
		EPA 8270 by SCAN	WFH	20	PASI-O
3528901003	2MW-25D	EPA 6010	TAP	1	PASI-O
		EPA 8270	EAO	105	PASI-O
		EPA 8270 by SCAN	WFH	20	PASI-O
3528901004	2MW-26D	EPA 8270	EAO	105	PASI-O
		EPA 8270 by SCAN	WFH	20	PASI-O
3528901005	4MW-21	EPA 6010	TAP	1	PASI-O
3528901006	4MW-27D	EPA 8270	EAO	105	PASI-O
		EPA 8270 by SCAN	WFH	20	PASI-O
3528901007	4MW-27	EPA 8270	EAO	105	PASI-O
		EPA 8270 by SCAN	WFH	20	PASI-O
3528901008	2MW-27D	EPA 8270	EAO	105	PASI-O
		EPA 8270 by SCAN	WFH	20	PASI-O

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PROJECT NARRATIVE

Project: Resource Recovery
Pace Project No.: 3528901

Date: May 03, 2011

SW8270: The results for Kepone, a,a-Dimethylphenethylamine, and 1,4-Phenylenediamine were reported as a Tentively Indentified Compounds (TIC).

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

3528901

Page: of

1455854

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 727-847-8902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Candy Mulham
Copy To:
Purchase Order No.:
Project Name: Resource Recovery
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N): Y/N

ITEM #	SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: 8270	Analysis Test: Arsenic	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	2MW-24S @ Res. Rec.	OT	G	—	—	4/7/11	0953	X	2	X								2			
2	2MW-24D @ Res. Rec	OT	G	—	—	4/7/11	1053		2	X								2			
3	2MW-25D @ Res. Rec.	OT	G	—	—	4/7/11	1220		3	X		X						2	1		
4	2MW-26D @ Res. Rec.	OT	G	—	—	4/7/11	1345		2	X								2			
5	4MW-21 @ Res. Rec.	OT	G	—	—	4/7/11	1448		1			X							1		
6																					Sent to
7																					PACE Lab
8																					4/7/11
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Arsenic Samples are resamples.	[signature]	4/7/11	1522	[signature]	4/7/11	15:22				
	[signature]	4/7/11	1600	[signature] BAX	4-7-11	1600				
	BSC	4-8-11	2200	[signature]	4/8/11	0800	1.1	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04/07/11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

T39

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

3528901

Page: of

1455848

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 727-847-8902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Candia Mulhern
Copy To:
Purchase Order No.:
Project Name: Resource Recovery
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Y/N

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-27D @ Res. Rec.	OT	G	—		4/6/11	1120		2	X								2		
2	4MW-27 @ Res. Rec.	OT	G	—		4/6/11	1349		2	X								2		
3	2MW-27D @ Res. Rec.	OT	G	—		4/6/11	15:11		2	X								2		
4																				
5																				
6																				Sent to
7																				PACE Lab
8																				4/7/11
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	W. [signature]	4/6/11	1600	[signature]	4/6/11	16:00				
	[signature]	4-7-11	16[illegible]	[signature] Pace	4/7/11	1601				
	BSC	4-8-11	22[illegible]	[signature]	4/8/11	0800	1.1	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04/06/11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
PHONE 727-847-8902

NELAC E44123
CONTACTS:
GLORIA KRUEGER
CHRIS CHILDRESS

REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 5/16/2011

SAMPLE NUMBER	AB64052	SAMPLE ID 2MW-24S @ RESREC		SAMPLE MATRIX	AQU
DATE SAMPLED	4/7/2011			TIME SAMPLED	9:53
DATE RECEIVED	4/7/2011	SAMPLER WMM		RECEIVED BY	CF
TIME RECEIVED	16:00	DELIVERED BY WMM		SAMPLE TYPE	
				SP	

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	4/7/2011	9:53	WM	348	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	4/7/2011	9:53	WM	1.22	D	mg/L	0.1
pH Field	FDEP FT 11	4/7/2011	9:53	WM	7.41	D	Std Units	0.10
Temperature Field	FDEP FT 14	4/7/2011	9:53	WM	23.48	D	Deg C	0.00
Turbidity Field	FDEP FT 16	4/7/2011	9:53	WM	1.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/7/2011	9:53	WM	6.08	D	Ft.	0
Color by Observation	Observation	4/7/2011	9:53	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

THIS DOCUMENT MEETS NELAC STANDARDS

NELAC Certification # E44123

PASCO COUNTY, FLORIDA

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Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 5/16/2011

SAMPLE NUMBER	AB64053	SAMPLE ID	2MW-24D @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	4/7/2011			TIME SAMPLED	10:53
DATE RECEIVED	4/7/2011	SAMPLER	WMM	RECEIVED BY	CF
TIME RECEIVED	16:00	DELIVERED BY	WMM	SAMPLE TYPE	SP

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	4/7/2011	10:53	WM	436	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	4/7/2011	10:53	WM	0.78	D	mg/L	0.1
pH Field	FDEP FT 11	4/7/2011	10:53	WM	7.53	D	Std Units	0.10
Temperature Field	FDEP FT 14	4/7/2011	10:53	WM	24.81	D	Deg C	0.00
Turbidity Field	FDEP FT 16	4/7/2011	10:53	WM	1.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/7/2011	10:53	WM	24.34	D	Ft.	0
Color by Observation	Observation	4/7/2011	10:53	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 5/16/2011

SAMPLE NUMBER	AB64054	SAMPLE ID 2MW-25D @ RESREC		SAMPLE MATRIX	AQU
DATE SAMPLED	4/7/2011			TIME SAMPLED	12:20
DATE RECEIVED	4/7/2011	SAMPLER WMM		RECEIVED BY	CF
TIME RECEIVED	16:00	DELIVERED BY WMM		SAMPLE TYPE	SP

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	4/7/2011	12:20	WM	703	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	4/7/2011	12:20	WM	1.40	D	mg/L	0.1
pH Field	FDEP FT 11	4/7/2011	12:20	WM	7.11	D	Std Units	0.10
Temperature Field	FDEP FT 14	4/7/2011	12:20	WM	26.92	D	Deg C	0.00
Turbidity Field	FDEP FT 16	4/7/2011	12:20	WM	4.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/7/2011	12:20	WM	15.57	D	Ft.	0
Color by Observation	Observation	4/7/2011	12:20	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 5/16/2011

SAMPLE NUMBER	AB64055	SAMPLE ID	2MW-26D @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	4/7/2011			TIME SAMPLED	13:45
DATE RECEIVED	4/7/2011	SAMPLER	WMM	RECEIVED BY	CF
TIME RECEIVED	16:00	DELIVERED BY	WMM	SAMPLE TYPE	SP

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	4/7/2011	13:45	WM	362	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	4/7/2011	13:45	WM	1.51	D	mg/L	0.1
pH Field	FDEP FT 11	4/7/2011	13:45	WM	7.22	D	Std Units	0.10
Temperature Field	FDEP FT 14	4/7/2011	13:45	WM	25.85	D	Deg C	0.00
Turbidity Field	FDEP FT 16	4/7/2011	13:45	WM	17.4	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/7/2011	13:45	WM	29.71	D	Ft.	0
Color by Observation	Observation	4/7/2011	13:45	WM	CLOUDY	D	ObsColor	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 5/16/2011

SAMPLE NUMBER	AB64056	SAMPLE ID 2MW27D @ RESREC	SAMPLE MATRIX AQU
DATE SAMPLED	4/6/2011		TIME SAMPLED 15:11
DATE RECEIVED	4/6/2011	SAMPLER WMM	RECEIVED BY CF
TIME RECEIVED	16:00	DELIVERED BY WMM	SAMPLE TYPE SP

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	4/6/2011	16:45	WM	652	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	4/6/2011	16:45	WM	0.87	D	mg/L	0.1
pH Field	FDEP FT 11	4/6/2011	16:45	WM	7.88	D	Std Units	0.10
Temperature Field	FDEP FT 14	4/6/2011	16:45	WM	24.64	D	Deg C	0.00
Turbidity Field	FDEP FT 16	4/6/2011	16:45	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/6/2011	15:11	WM	21.59	D	Ft.	0
Color by Observation	Observation	4/6/2011	16:45	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 5/16/2011

SAMPLE NUMBER	AB64057	SAMPLE ID	4MW27 @ RESREC	SAMPLE MATRIX	AQU
DATE SAMPLED	4/6/2011			TIME SAMPLED	13:49
DATE RECEIVED	4/6/2011	SAMPLER	WMM	RECEIVED BY	CF
TIME RECEIVED	16:00	DELIVERED BY	WMM	SAMPLE TYPE	SP

ANALYSIS	METHOD	ANALYSIS DATE	ANALYSIS TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	4/6/2011	13:49	WM	678	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	4/6/2011	13:49	WM	0.78	D	mg/L	0.1
pH Field	FDEP FT 11	4/6/2011	13:49	WM	7.45	D	Std Units	0.10
Temperature Field	FDEP FT 14	4/6/2011	13:49	WM	23.99	D	Deg C	0.00
Turbidity Field	FDEP FT 16	4/6/2011	13:49	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/6/2011	13:49	WM	57.39	D	Ft.	0
Color by Observation	Observation	4/6/2011	13:49	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

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REPORT OF ANALYSES

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 5/16/2011

SAMPLE NUMBER	AB64058	SAMPLE ID 4MW27D @ RESREC	SAMPLE MATRIX AQU
DATE SAMPLED	4/6/2011		TIME SAMPLED 11:20
DATE RECEIVED	4/6/2011	SAMPLER WMM	RECEIVED BY CF
TIME RECEIVED	16:00	DELIVERED BY WMM	SAMPLE TYPE SP

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	QUAL.	UNIT	DET. LIMIT
Conductivity Field	FDEP FT 12	4/6/2011	11:20	WM	222	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 15	4/6/2011	11:20	WM	0.94	D	mg/L	0.1
pH Field	FDEP FT 11	4/6/2011	11:20	WM	7.63	D	Std Units	0.10
Temperature Field	FDEP FT 14	4/6/2011	11:20	WM	22.75	D	Deg C	0.00
Turbidity Field	FDEP FT 16	4/6/2011	11:20	WM	0.0	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/6/2011	11:20	WM	136.71	D	Ft.	0
Color by Observation	Observation	4/6/2011	11:20	WM	CLEAR	D	ObsColor	0

ANALYSIS COMMENTS:

LABORATORY DIRECTOR

THIS DOCUMENT MEETS NELAC STANDARDS

NELAC Certification # E44123

RESOURCE RECOVERY A-4 CELL WELLS 2011 QUARTER-II

WELL DATA					FIELD MEASUREMENTS							LAB MEASUREMENTS							ANALYST: WMM
WELL I.D.	DATE (DD-MMM)	SAMPLE TIME (24hr)	T.O.P. ELEVATION (ft)	STATIC H2O LEVEL (ft)	N.G.V.D. (ft)	PH	TEMP. (°C)	COND. (mg/L)	D.O. (mg/L)	TURB FIELD (NTU)	COLOR (OBS)								SAMPLE #
2MW-24S	04-07	0953	28.90	22.82	6.08	7.41	23.48	348	1.22	1.5	CLEAR				8270				
2MW-24D	04-07	1053	47.30	22.96	24.34	7.53	24.81	436	0.78	1.2	CLEAR				8270				
2MW-25S	04-07	1110	17.40	15.81	1.59														DRY
2MW-25D	04-07	1220	35.33	19.76	15.57	7.11	26.92	703	1.40	4.2	CLEAR				8270				
2MW-26S	04-07	1230	23.00	23.00	DRY														DRY
2MW-26D	04-07	1345	55.00	25.29	29.71	7.22	25.85	362	1.51	17.4	CLOUDY				8270				
2MW-27S	04-06	0900	18.00	18.00	DRY										DRY				DRY
2MW-27D	04-06	1511	42.00	20.41	21.59	7.88	24.64	652	0.87	0.0	CLEAR				8270				
4MW-27	04-06	1349	77.00	19.61	57.39	7.45	23.99	678	0.78	0.0	CLEAR				8270				
4MW-27D	04-06	1120	156.00	19.29	136.71	7.63	22.75	222	0.94	0.0	CLEAR				8270				

Notes: SENT TO PACE.

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW27D	DATE:	April 6, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				20.41	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	42	STATIC WATER:	20.41	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.4544

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1405	1427	10.35

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1427	3.45	3.45	0.16	20.41	7.63	24.66	639	1.16	0.0	CLEAR	NONE
1449	3.45	6.90	0.16	20.41	7.85	24.68	641	0.53	0.0	CLEAR	NONE
1511	3.45	10.35	0.16	20.41	7.88	24.64	652	0.87	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1511
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW27D	2	AG	1000	NONE	N/A	N/A	8270			BP
2MW27D										BP
2MW27D										BP
2MW27D										BP
2MW27D										BP
2MW27D										BP
REMARKS	**NGVD=21.59**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump; **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH:** +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW27S	DATE:	April 6, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				18.00	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	18	STATIC WATER:	18	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.= PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00	0.29	DRY							
	0.00	0.00	0.29	DRY							
0900	0.00	0.00	0.29	DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	900
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW27S	0	PE	250	NONE	NONE	N/A	CL,TDS,TURB.			BP
2MW27S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW27S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW27S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW27S	0	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW27S	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=DRY**	DRY								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH:** +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO:		SAMPLE ID:	4MW27	DATE:	April 6, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				19.61	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	77	STATIC WATER:	19.61	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	37.3035

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1150	1309	55.95

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1309	37.30	37.30	0.47	19.61	7.41	23.98	671	0.51	0.0	CLEAR	NONE
1329	9.33	46.63	0.47	19.61	7.42	24.09	677	0.73	0.0	CLEAR	NONE
1349	9.33	55.95	0.47	19.61	7.45	23.99	678	0.78	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1349
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1800	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW27	2	AG	1000	NONE	N/A	N/A	8270			BP
4MW27										BP
4MW27										BP
4MW27										BP
4MW27										BP
4MW27										BP
REMARKS	**NGVD=57.39**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW26D	DATE:	April 7, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				25.29	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55	STATIC WATER:	25.29	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	4.7536

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1300	1315	11.26

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1315	4.75	4.75	0.32	25.29	7.21	25.85	360	1.46	20.0	CLOUDY	NONE
1330	4.34	9.09	0.32	25.29	7.23	25.97	361	1.30	18.9	CLOUDY	NONE
1345	2.17	11.26	0.32	25.29	7.22	25.85	362	1.51	17.4	CLOUDY	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1345
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW26D	2	AG	1000	NONE	N/A	N/A	8270			BP
2MW26D										BP
2MW26D										BP
2MW26D										BP
2MW26D										
2MW26D										
REMARKS	**NGVD=29.71**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW25D	DATE:	April 7, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				19.76	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	32	STATIC WATER:	19.76	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.9584

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1145	1144	9.80

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1144	1.96	1.96	0.20	19.80	7.18	26.91	705	2.07	56.0	CLOUDY	NONE
1153	1.96	3.92	0.20	19.80	7.16	26.95	706	1.63	36.0	CLOUDY	NONE
1202	1.96	5.88	0.20	19.80	7.11	26.91	706	1.34	20.4	CLOUDY	NONE
1211	1.96	7.84	0.20	19.80	7.12	26.98	703	1.42	12.3	CLOUDY	NONE
1220	1.96	9.80	0.20	19.80	7.11	26.92	703	1.40	4.2	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1220
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	800	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW25D	2	AG	1000	NONE	N/A	N/A	8270			BP
2MW25D	1	PE	500	HNO3	N/A	<2	AS			BP
2MW25D										BP
2MW25D										BP
2MW25D										BP
2MW25D										BP
REMARKS	**NGVD=15.57**	ARSENIC IS A RESAMPLE. SAMPLES FOR PACE								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH:** +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW25S	DATE:	April 7, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				14.50	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	14.5	STATIC WATER:	14.5	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00									
	0.00	0.00									
1110	0.00	0.00									

DRY

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1110
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW25S	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
2MW25S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW25S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW25S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW25S	0	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW25S	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=DRY**	Static water level (15.81 ft) measured lower than reported total well depth (14.50 ft). Attempted to purge was unsuccessful; reporting as dry.								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW24S	DATE:	April 7, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				22.82	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	26.00	STATIC WATER:	22.82	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0.5088

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0915	0935	1.02

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0935	0.51	0.51	0.03	***	7.36	23.36	353	1.48	5.8	CLEAR	NONE
0944	0.26	0.76	0.03	***	7.38	23.38	351	1.39	2.2	CLEAR	NONE
0953	0.26	1.02	0.03	***	7.41	23.48	348	1.22	1.5	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	953
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	100	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW24S	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
2MW24S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW24S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW24S	2	AG	1000	NONE	NONE	N/A	8270			BP
2MW24S	0	CG	40	HCL	NONE	<2				BP
2MW24S	0	CG	40	NONE	NONE	N/A				BP
REMARKS	**NGVD=6.08**	A-4 CELL WELL								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristaltic Pump;**B**=Bailer; **BP**=Bladder Pump;**ESP**=Electric Submersible Pump;**PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump;**SM**=Straw Method(Tube Gravity Drain);**VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW24D	DATE:	April 7, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				22.96	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	44.00	STATIC WATER:	22.96	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.3664

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1010	1031	6.74

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs\)	COLOR (describe)	ODOR (describe)
1031	3.37	3.37	0.16	23.00	7.46	24.76	435	0.86	4.4	CLEAR	NONE
1042	1.69	5.05	0.16	23.00	7.51	24.85	438	0.91	3.8	CLEAR	NONE
1053	1.69	6.74	0.16	23.00	7.53	24.81	436	0.78	1.2	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1053
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW24D	2	AG	1000	NONE	NONE	N/A	8270			BP
2MW24D	0									BP
2MW24D	0									BP
2MW24D	0									BP
2MW24D	0									BP
2MW24D	0									BP
REMARKS	**NGVD=24.34**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH**: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

3528901

Page: of

1455854

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8802 Government Dr.
New Port Richey, FL
Email To:
Phone: 727-847-8102 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Cindy Mulhern
Copy To:
Purchase Order No.:
Project Name: Resource Recovery
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: 8270	Arsenic	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	2MW-24S @ Res. Rec.	OT	G	—	—	4/7/11	0953		2	X								X			
2	2MW-24D @ Res. Rec	OT	G	—	—	4/7/11	1053		2	X								X			
3	2MW-25D @ Res. Rec.	OT	G	—	—	4/7/11	1220		3	X		X						X	X		
4	2MW-26D @ Res. Rec.	OT	G	—	—	4/7/11	1345		2	X								X			
5	4MW-21 @ Res. Rec.	OT	G	—	—	4/7/11	1448		1			X							X		
6																					Sent to
7																					PACE Lab
8																					4/7/11
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Arsenic Samples are resamples.	[signature]	4/7/11	1522	[signature]	4/7/11	15:22				
	[signature]	4/7/11	1600	[signature] Bax	4-7-11	1600				
	BSC	4-8-11	22m	[signature]	4/8/11	0800	1.1	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04/07/11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

T39

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW27D	DATE:	April 6, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
4				19.29	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	156	STATIC WATER:	19.29	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	88.8615

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
138		0749	1010	133.29

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (°C.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1010	88.86	88.86	0.63	19.30	7.67	22.85	224	1.10	0.0	CLEAR	NONE
1045	22.22	111.08	0.63	19.30	7.69	22.91	224	1.05	0.0	CLEAR	NONE
1120	22.22	133.29	0.63	19.30	7.63	22.75	222	0.94	0.0	CLEAR	NONE

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1120
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2400	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW27D	2	AG	1000	NONE	N/A	N/A	8270			BP
4MW27D										BP
4MW27D										BP
4MW27D										BP
4MW27D										BP
4MW27D										BP
REMARKS	**NGVD=136.71**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH:** +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW26S	DATE:	April 7, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				DRY	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55	STATIC WATER:	55	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL.=PUMP VOL. + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH-ft:		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00	0.29								
	0.00	0.00	0.29								
1230	0.00	0.00	0.29								

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot):**0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY(Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1230
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW26S	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
2MW26S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW26S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW26S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW26S	0	CG	40	HCL	NONE	<2	APP.I 8260			
2MW26S	0	CG	40	NONE	NONE	N/A	APP.I 8011			
REMARKS	**NGVD=DRY**	DRY								

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristaltic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristaltic Pump; **RFPP**=Reverse Flow Peristaltic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3) **pH:** +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings <= 20% saturation (see Table FS 2200-2) optionally, +/- 0.2mg/L or +/-10%(whichever is greater)**Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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1455848

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 727-847-8902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Candice Mulhern
Copy To:
Purchase Order No.:
Project Name: Resource Recovery
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test ⇩ (Y/N) 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-27D @ Res. Rec.	OT	G	—		4/6/11	1120		2	X								2		
2	4MW-27 @ Res. Rec.	OT	G	—		4/6/11	1349		2	X								2		
3	2MW-27D @ Res. Rec.	OT	G	—		4/6/11	15:11		2	X								2		
4																				
5																				
6																				Sent to
7																				PACE Lab
8																				4/7/11
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	4/6/11	1600	[signature]	4/6/11	16:00				
	[signature]	4-7-11	1600	[signature] Pace	4/7/11	1600				
	BSC	4-8-11	2200	[signature]	4/8/11	0800	1.1	Y	N	

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04/06/11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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3528901

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1455854

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8661 Government Dr. New Port Richey, FL
Email To:
Phone: 727-847-8102 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Cindy Mulhern
Copy To:
Purchase Order No.:
Project Name: Resource Recovery
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY: ☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER ☐ UST ☐ RCRA ☐ OTHER

Site Location STATE:

Section D Required Client Information

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Analysis Test: 8270 Arsenic

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	2MW-24S @ Res. Rec.	OT	G	—	—	4/7/11	0953		2	X								2		
2	2MW-24D @ Res. Rec	OT	G	—	—	4/7/11	1053		2	X								2		
3	2MW-25D @ Res. Rec.	OT	G	—	—	4/7/11	1220		3	X		X						2		
4	2MW-26D @ Res. Rec.	OT	G	—	—	4/7/11	1345		2	X								2		
5	4MW-21 @ Res. Rec.	OT	G	—	—	4/7/11	1448		1			X						1		
6																				Sent to PACE Lab 4/7/11
7																				
8																				
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Arsenic Samples are resamples.	[signature]	4/7/11	1522	[signature]	4/7/11	15:22	
	[signature]	4/7/11	1600	[signature] Pace	4-7-11	1600	
	BSC	4-8-11	22m	[signature]	4/8/11	0800	1.1 / Y / N

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04/07/11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

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1455848

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 727-847-8902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

Report To: Cindy Mulhern
Copy To:
Purchase Order No.:
Project Name: Resource Recovery
Project Number:

Section C Invoice Information:

Attention:
Company Name:
Address:
Pace Quote Reference:
Pace Project Manager:
Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: _____

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N): Analysis Test: 8270

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test 8270	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-27D @ Res. Rec.	OT	G	—		4/6/11	1120		2	X								2		
2	4MW-27 @ Res. Rec.	OT	G	—		4/6/11	1349		2	X								2		
3	2MW-27D @ Res. Rec.	OT	G	—		4/6/11	15:11		2	X								2		
4																				
5																				
6																				Sent to
7																				PACE Lab
8																				4/7/11
9																				
10																				
11																				
12																				

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	4/6/11	1600	[signature]	4/6/11	16:00				
	[signature]	4-7-11	1600	[signature] Pace	4/7/11	1600				
	BSC	4/8/11	2200	[signature]	4/8/11	0800	1.1	Y	N	
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 04/06/11

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.