

DADE CITY (352) 511-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (727) 847-8145

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

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

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. Chain of Custody Forms
2. Water levels, water elevation table.
3. Field sampling reports
4. Laboratory and Field EDDs
5. Laboratory error logs
6. Water Quality Monitoring Certification Forms

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

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:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						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		SAMPLED BY (SIGNATURE):		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)											

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.			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
								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		SAMPLED BY (SIGNATURE):		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		A-4 CELL WELL									
		NGVD=6.08									
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)											

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:	
								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		<i>Wilfred Martfeld</i>				STARTED:		ENDED:	
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: 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)											

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)
2			14.50
PURGE PUMP TYPE OR BAILER: 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.
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)	
	0.00	0.00	
	0.00	0.00	
1110	0.00	0.00	
***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
SAMPLE ID CODE: # CONTAINERS MATERIAL CODE VOLUME (ML) PRESERVATIVE USED ml ADDED FINAL PH	BOTTLE DATE SERIES		EQUIP. CODE:
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 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)			

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)
2			25.29
PURGE PUMP TYPE OR BAILER: 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.
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
		1300	1315
		11.26	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
1315	4.75	4.75	0.32
1330	4.34	9.09	0.32
1345	2.17	11.26	0.32
***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	
SAMPLE ID CODE: # CONTAINERS MATERIAL CODE VOLUME (ML) PRESERVATIVE USED ml ADDED FINAL PH	INTENDED ANALYSIS and/or METHOD		BOTTLE 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)			

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:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				PURGING INITIATED AT:		PURGING ENDED AT:	
										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		SAMPLED BY (SIGNATURE):		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 DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
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: 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)											

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)
2			20.41
PURGE PUMP TYPE OR BAILER: 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.
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:
		1405	1427
		10.35	
TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)
1427	3.45	3.45	0.16
1449	3.45	6.90	0.16
1511	3.45	10.35	0.16
***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	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
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)
2MW27D	2	AG	1000
2MW27D			
2MW27D			
2MW27D			
2MW27D			
2MW27D			
2MW27D			
REMARKS	NGVD=21.59		
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)			

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:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
										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 DATE SERIES		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH					
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)											

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:			
INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):				TUBING DEPTH IN WELL (FEET):				FLOW CELLVOL.		1 EQ. VOL. PURGE:	
						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		SAMPLED BY (SIGNATURE):		Wilfred Martfeld		STARTED:		ENDED:	
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	
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)											

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):		138		TUBING DEPTH IN WELL (FEET):		0749		PURGING INITIATED AT:		1010	
								PURGING ENDED AT:		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		SAMPLED BY (SIGNATURE):		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	
4MW27D		2		AG		1000		NONE		N/A	
4MW27D											
4MW27D											
4MW27D											
4MW27D											
4MW27D											
4MW27D											
REMARKS		NGVD=136.71									
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)											

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. ELEVATI ON (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.																			

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2528601

Section A Required Client Information: Company: <u>Pasco County Env. Lab</u> Address: <u>8801 Government Dr</u> <u>New Port Richey, FL</u> Email To: _____ Phone: <u>813-847-8900</u> Fax: _____ Requested Due Date/TAT: _____		Section B Required Project Information: Report To: <u>Candice Mathison</u> Copy To: _____ Purchase Order No.: _____ Project Name: <u>Resource Recovery</u> Project Number: _____		Section C Invoice Information: Attention: _____ Company Name: _____ Address: _____ Pace Quote Reference: _____ Pace Project Manager: _____ Pace Profile #: _____		Page: _____ of _____ 1455854 REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____ Site Location STATE: _____	
--	--	---	--	--	--	---	--

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives		Analysis Test ↓	Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME		H ₂ SO ₄	HNO ₃					
1	2 MW-245 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	0953	2	X						
2	2 MW-245 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1053	2	X						
3	2 MW-250 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1220	3	X						
4	2 MW-260 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1345	2	X						
5	4 MW-21 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1448	1	X						
6																
7																
8																
9																
10																
11																
12																

ADDITIONAL COMMENTS Arsenic Samples are re-samples of 2 MW-245 @ Res. Rec.		RELINQUISHED BY / AFFILIATION [Signature] Date: 4/7/11 Time: 1522		ACCEPTED BY / AFFILIATION [Signature] Date: 4/7/11 Time: 1522		DATE SIGNED DATE SIGNED (MM/DD/YY): 04/07/11	
TEMPERATURE Temp in °C: 1.1		RECEIVED ON ICE Received on Ice (Y/N): Y		CUSTODY Custody Sealed Cooler (Y/N): N		SAMPLES INTACT Samples Intact (Y/N):	

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.

CHAIN-OF-CUSTODY / Analytical Request Document

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

3528901

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <u>Pasco County Env Lab</u>		Report To: <u>Carolea Mulhern</u>		Attention: <u></u>	
Address: <u>2861 Government Dr</u>		Copy To: <u></u>		Company Name: <u></u>	
Email To: <u>New Port Richey, FL</u>		Purchase Order No.: <u></u>		Address: <u></u>	
Phone: <u>714-847-8900</u>		Project Name: <u>Reserve Recovery</u>		Pace Quote Reference: <u></u>	
Requested Due Date/AT: <u></u>		Project Number: <u></u>		Pace Project Manager: <u></u>	
				Pace Profile #: <u></u>	
REGULATORY AGENCY			Requested Analysis Filtered (Y/N)		
NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/>					
UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>					
Site Location STATE: <u></u>					

ITEM #	Section D Required Client Information SAMPLE ID (A-Z, 0-9 / -) Sample IDs MUST BE UNIQUE	Matrix Codes MATRIX / CODE Drinking Water DW Water WW Waste Water P Product SL Soil/Solid OL Oil WP Wipe AR Air TS Tissue OT	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB							
1	4MVR-27D @ Res. Rec.	OT 6	4/6/11 11:20		2 X			8270			
2	4MVR-27 @ Res. Rec.	OT 6	4/6/11 13:49		2 X						
3	2MVR-27D @ Res. Rec.	OT 6	4/6/11 15:11		2 X						
4											
5											
6											
7											
8											
9											
10											
11											
12											
ADDITIONAL COMMENTS											
RELINQUISHED BY / AFFILIATION			DATE	TIME	ACCEPTED BY / AFFILIATION			DATE	TIME	SAMPLE CONDITIONS	
<u>Carolea Mulhern</u>			4/6/11	16:00	<u>Carolea Mulhern</u>			4/6/11	16:00		
<u>Carolea Mulhern</u>			4-7-11	16:00	<u>Carolea Mulhern</u>			4/7/11	16:00		
<u>Carolea Mulhern</u>			4-8-11	22:00	<u>Carolea Mulhern</u>			4/8/11	08:00		

ORIGINAL

SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER: <u>Carolea Mulhern</u>	DATE Signed (MM/DD/YY): <u>04/06/11</u>
SIGNATURE of SAMPLER: <u>Carolea Mulhern</u>	Temp in °C
	Received on Ice (Y/N)
	Custody Sealed Cooler (Y/N)
	Samples Intact (Y/N)

CHAIN-OF-CUSTODY / Analytical Request Document

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

3528901

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company: <u>Pasco County Env Lab</u>	Report To: <u>Carolea Mulhern</u>	Attention: <u></u>	Company Name: <u></u>	Address: <u></u>	REGULATORY AGENCY
Address: <u>3861 Government Dr</u>	Copy To: <u></u>		Address: <u></u>	Pace Quote Reference: <u></u>	NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/>
Email To: <u>New Port Richey, FL</u>	Purchase Order No.: <u></u>		Pace Quote Reference: <u></u>	Pace Project Manager: <u></u>	UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER <input type="checkbox"/>
Phone: <u>714-847-8900</u>	Project Name: <u>Reserve Recovery</u>		Pace Project Manager: <u></u>	Pace Profile #: <u></u>	Site Location STATE: <u></u>
Requested Due Date/AT: <u></u>	Project Number: <u></u>				

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)				Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB					Y	N				
1	4MVR-27D @ Res. Rec.	OT G	4/6/11 1120	2 X												
2	4MVR-27 @ Res. Rec.	OT G	4/6/11 1349	2 X												
3	2MVR-27D @ Res. Rec.	OT G	4/6/11 1511	2 X												
4																
5																
6																
7																
8																
9																
10																
11																
12																

ADDITIONAL COMMENTS		RELINQUISHED BY / AFFILIATION		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS	
		<u>Carolea Mulhern</u>		4/6/11		1600		<u>Carolea Mulhern</u>		4/6/11		1600			
		<u>Carolea Mulhern</u>		4-7-11		1600		<u>Carolea Mulhern</u>		4/7/11		1600			
		<u>Carolea Mulhern</u>		4-8-11		2200		<u>Carolea Mulhern</u>		4/8/11		0800			

SAMPLER NAME AND SIGNATURE		PRINT Name of SAMPLER: <u>Carolea Mulhern</u>		DATE Signed (MM/DD/YY): <u>04/06/11</u>	
SIGNATURE of SAMPLER: <u>Carolea Mulhern</u>		Temp in °C		Received on Ice (Y/N)	
				Custody Sealed Cooler (Y/N)	
				Samples Intact (Y/N)	

CHAIN-OF-CUSTODY / Analytical Request Document
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

2528601

Section A Required Client Information: Company: <u>Pasco County Env. Lab</u> Address: <u>8805 Government Dr</u> <u>New Port Richey, FL</u> Email To: _____ Phone: <u>813-847-8900</u> Fax: _____ Requested Due Date/TAT: _____		Section B Required Project Information: Report To: <u>Cindy Mathew</u> Copy To: _____ Purchase Order No.: _____ Project Name: <u>Resource Recovery</u> Project Number: _____		Section C Invoice Information: Attention: _____ Company Name: _____ Address: _____ Pace Quote Reference: _____ Pace Project Manager: _____ Pace Profile #: _____		Page: _____ of _____ 1455854 REGULATORY AGENCY <input type="checkbox"/> NPDES <input type="checkbox"/> GROUND WATER <input type="checkbox"/> DRINKING WATER <input type="checkbox"/> UST <input type="checkbox"/> RCRA <input type="checkbox"/> OTHER _____ Site Location STATE: _____	
--	--	---	--	--	--	---	--

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED			SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives		Analysis Test ↓	Requested Analysis Filtered (Y/N)		Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB	DATE	TIME		H ₂ SO ₄	HNO ₃					
1	2 MW-245 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	0953	2	X		22				
2	2 MW-245 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1053	2	X		22				
3	2 MW-250 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1220	3	X		22				
4	2 MW-260 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1345	2	X		22				
5	4 MW-21 @ Res. Rec.	OT 6	OT 6	---	---	---	4/7/11	1448	1	X		22				
6																
7																
8																
9																
10																
11																
12																

ADDITIONAL COMMENTS Arsenic Samples are re-samples of 2 MW-245 @ Res. Rec.		RELINQUISHED BY / AFFILIATION [Signature] Date: 4/7/11 Time: 1522		ACCEPTED BY / AFFILIATION [Signature] Date: 4/7/11 Time: 1522		DATE SIGNED DATE SIGNED (MM/DD/YY): 04/07/11	
TEMPERATURE Temp in °C: 1.1		RECEIVED Received on Ice (Y/N): Y		CUSTODY Custody Sealed Cooler (Y/N): N		SAMPLE CONDITIONS Samples Intact (Y/N):	

*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.

ORIGINAL

734

May 03, 2011

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

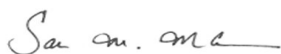
RE: Project: Resource Recovery
Pace Project No.: 3528901

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

REPORT OF LABORATORY ANALYSIS

Page 1 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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

REPORT OF LABORATORY ANALYSIS

Page 2 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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

REPORT OF LABORATORY ANALYSIS

Page 3 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

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

REPORT OF LABORATORY ANALYSIS

Page 4 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

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 Identified Compounds (TIC).

REPORT OF LABORATORY ANALYSIS

Page 5 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 6 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 7 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 9 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 10 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 12 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 13 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 15 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 16 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

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	

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 19 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 20 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 22 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 23 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

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	
Diallylate	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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 25 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 26 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

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	

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 29 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 30 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 31 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	
Diallylate	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

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 32 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	22.7	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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 33 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	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	29.9	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
Diallylate	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

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 34 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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	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 l	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 l	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		

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 36 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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			

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	

Date: 05/03/2011 12:41 PM

REPORT OF LABORATORY ANALYSIS

Page 38 of 41

This report shall not be reproduced, except in full,
without the written consent of Pace Analytical Services, Inc..



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			

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.

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



CHAIN-OF-CUSTODY / Analytical Request Document

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

2528901

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Pace County Env. Lab	Report To:	Cinda Mulhern	Attention:	
Address:	8861 Government Dr.	Copy To:		Company Name:	
Email To:	New Port Richey, FL	Purchase Order No.:		Address:	
Phone:	813-847-8902	Project Name:	Resource Recovery	Pace Quote Reference:	
Fax:		Project Number:		Pace Project Manager:	
Requested Due Date/TAT:				Pace Profile #:	

Page: of
1455854

REGULATORY AGENCY	
<input type="checkbox"/> NPDES	<input type="checkbox"/> GROUND WATER
<input type="checkbox"/> RCRA	<input type="checkbox"/> DRINKING WATER
<input type="checkbox"/> OTHER	
Site Location	STATE:

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP)	MATRIX CODE (see valid codes to left)	DATE		TIME	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS	Temp in °C	Received on Ice (Y/N)	Sealed Cooler (Y/N)	Samples Intact (Y/N)
			COMPOSITE START	COMPOSITE END/GRAB			DATE	TIME											
1	2 MW-24S @ Res. Rec.	DW		4/7/11 0953	OT G	OT G	4/7/11	0953	2 X										
2	2 MW-24D @ Res. Rec.	WT		4/7/11 1053	OT G	OT G	4/7/11	1053	2 X										
3	2 MW-25D @ Res. Rec.	WW		4/7/11 1220	OT G	OT G	4/7/11	1220	3 X										
4	2 MW-26D @ Res. Rec.	Product		4/7/11 1345	OT G	OT G	4/7/11	1345	2 X										
5	4 MW-21 @ Res. Rec.	SL		4/7/11 1448	OT G	OT G	4/7/11	1448	1										
6		Oil																	
7		Wipe																	
8		Air																	
9		Tissue																	
10		Other																	
11																			
12																			

Arseric Samples are re samples.	4/7/11 1522	4/7/11 15:22	4/7/11 1603	4/7/11 0800	1.1	4	N												

SAMPLER NAME AND SIGNATURE		DATE SIGNED (MM/DD/YYYY)		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS		Temp in °C		Received on Ice (Y/N)		Sealed Cooler (Y/N)		Samples Intact (Y/N)	
PRINT Name of SAMPLER: Willfred Martfeld		DATE SIGNED: 04/07/11		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS		Temp in °C		Received on Ice (Y/N)		Sealed Cooler (Y/N)		Samples Intact (Y/N)	
SIGNATURE of SAMPLER: Willfred Martfeld		DATE SIGNED: 04/07/11		DATE		TIME		ACCEPTED BY / AFFILIATION		DATE		TIME		SAMPLE CONDITIONS		Temp in °C		Received on Ice (Y/N)		Sealed Cooler (Y/N)		Samples Intact (Y/N)	

ORIGINAL

*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.

Pace Analytical

www.paceanals.com



CHAIN-OF-CUSTODY / Analytical Request Document

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

358901

Section A

Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr
New Port Richey, FL
Email To: _____
Phone: 727-847-8947
Fax: _____
Requested Due Date/TAT: _____

Section B

Required Project Information:

Report To: Carolina 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 #: _____

Page: _____ of _____

1455848

REGULATORY AGENCY

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

Site Location

STATE: _____

Requested Analysis Filtered (Y/N)

ITEM #	Section D Required Client Information	Matrix Codes MATRIX / CODE DW Drinking Water WT Waste Water WW Wastewater P Product SL Soil/Solid OL Oil WP Wipe AR Air TS Tissue OT Other	COLLECTED		SAMPLE TYPE (G=GRAB C=COMP) (see valid codes to left)	MATRIX CODE	# OF CONTAINERS	PRESERVATIVES				Analysis Test Y/N	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
			COMPOSITE START	COMPOSITE END/GRAB				DATE	TIME	DATE	TIME			
1	4MW-27D @ Pas. Rec.				4/6/11 11:20	OT G	2 X	Unpreserved						
2	4MW-27 @ Pas. Rec.				4/6/11 13:49	OT G	2 X							
3	2MW-27D @ Pas. Rec.				4/6/11 15:11	OT G	2 X							
4														
5														
6														
7														
8														
9														
10														
11														
12														

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	<u>W. Paul D.</u>	4/6/11	16:00	<u>BS</u>	4/6/11	16:00	
	<u>BS</u>	4-7-11	16:00	<u>BS</u>	4/7/11	16:00	
	<u>BS</u>	4-8-11	22:00	<u>BS</u>	4/8/11	22:00	

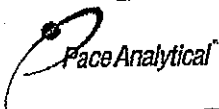
SAMPLER NAME AND SIGNATURE	
PRINT Name of SAMPLER:	<u>Wilfred Martfeld</u>
SIGNATURE of SAMPLER:	<u>Wilfred Martfeld</u>

ORIGINAL

*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.

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Client Name: PASCOU Project # 3528901Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ B&B ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ noPacking Material: ☒ Bubble Wrap ☒ Bubble Bags ☐ None ☐ Other _____Thermometer Used T39 Type of Ice: Wet Blue NoneCooler Temperature 1.8 (Visual) -0.7 (Correction Factor) 1.1 (Actual) (Temp should be above freezing to 6°C)Receipt of samples satisfactory: ☒ Yes ☐ NoDate and Initials of person examining contents: 4/5/11☐ Rush TAT requested on COC:

If yes, then all conditions below were met:

If no, then mark box & describe issue (use comments area if necessary):

Chain of Custody Present	<input type="checkbox"/>
Chain of Custody Filled Out	<input type="checkbox"/>
Relinquished Signature & Sampler Name COC	<input type="checkbox"/>
Samples Arrived within Hold Time	<input type="checkbox"/>
Sufficient Volume	<input type="checkbox"/>
Correct Containers Used	<input type="checkbox"/>
Containers Intact	<input type="checkbox"/>
Sample Labels match COC (sample IDs & date/time of collection)	<input type="checkbox"/>
	No Labels: <input type="checkbox"/> No Time/Date on Labels: <input type="checkbox"/>
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/>
No Headspace in VOA Vials (>6mm):	<input type="checkbox"/>

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

Comments/ Resolution (use back for additional comments): _____

Project Manager Review: 8Date: 4/8/2011

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

Extra Sample in Shed: Yes No

Size & Qty of Bottles Received

☐ x 5 Gal
☐ x 2.5 Gal
☐ x 1 Gal
☐ x 1 Liter
☐ x 500 mL
☐ x 250 mL
☐ x Other: _____