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

01 Dec 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
Compliance Monitoring
Semester II, 2011

Dear Mr. Morris

This submittal is for the Semester II, 2011 groundwater and leachate monitoring at the Pasco County Resource Recovery site which includes the West Pasco Class I and Class III landfills. Included in this submittal are the following:

1. Summary of exceedences.
2. Ground water contour maps
3. Chain of Custody Forms
4. Water levels, water elevation table.
5. Field sampling reports
6. Laboratory and Field EDDs
7. Laboratory error logs
8. Ground Water Monitoring Report Certification

A hard copy of these results and supporting documentation has been submitted under separate cover.

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

PASCO COUNTY RESOURCE RECOVERY LF
EXCEEDED ANALYTES - SEMESTER II 2011
Jul-Dec 2011

WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	RESAMPLE	RESULT	UNITS
2MW-2	17-Aug-11	pH	5.30	std units	No	---	std units
4MW-3A	18-Aug-11	Vinyl Chloride	7.9	ug/L	29-Nov-11	Pending	ug/L
2MW-17S	16-Aug-11	pH	6.32	std units	29-Aug-11	6.50	std units
		Nitrate	14.6	mg/L	29-Aug-11	16.1	mg/L
4MW-21	23-Aug-11	pH	5.61	std. units	No	---	---
2MW-24S	24-Aug-11	Iron	522	ug/L	No	---	---
2MW-25D	24-Aug-11	Iron	543	ug/L	No	---	---
4MW-27	22-Aug-11	TDS	534	mg/L	No	---	---
2MW-27D	22-Aug-11	TDS	530	mg/L	No	---	---

CDM
1715 North Westshore Boulevard, Suite 875
Tampa, Florida 33607
tel: +1 813 281-2900
fax: +1 813 288-8787

September 16, 2011

Ms. Candia Mulhern
Utility Services Branch
Environmental Laboratory
8864 Government Drive
New Port Richey, Florida 34654

Subject: Groundwater Contour Maps, Year 2011, Quarter III
West Pasco Class I & West Pasco Class III Landfills
Pasco County, Florida
Class I Landfill Site Certification No: PA87-23
Class I Landfill WACS No: SWD/51/45799
Class III Landfill Permit No: 26254-001-SO/T3
Class III Landfill WACS No: SWD/51/45920

Dear Ms. Mulhern:

Six signed and sealed copies of the groundwater elevation contour maps for the West Pasco Class I & West Pasco Class III Landfills (Resource Recovery Facility) are attached. These maps were prepared based upon revised water level data received from you for the Year 2011, Quarter III monitoring event. As discussed in an e-mail sent on September 14, 2011, some of the top of casing elevations reported on your Water Level Data Sheet for the Resource Recovery Facility were incorrect. The table you provided has been revised to reflect the top of casing data revisions discussed above. Attached is a copy of the revised table. An e-mail with an electronic file containing this letter, the contour maps, and the revised tabulated data you provided has also been sent to you.

If you have any questions or concerns, please do not hesitate to call me at (813)-281-2900.

Sincerely,

David R. Rojas, P.G.
Environmental Scientist
Camp Dresser & McKee Inc.

Attachments:
Resource Recovery Facility Floridan Aquifer Groundwater Contour Map (6 copies)
Resource Recovery Facility Surficial Aquifer Groundwater Contour Map (6 copies)
Revised Tabulated Water Level Data for Resource Recovery Facility (1 copy)

cc: John Power, Pasco County Resource Recovery Facility w/1 set of attachments
Aamod S. Sonawane, CDM w/1 set of attachments

S:\PASCO\gw Contours\Ltr to Mulhern.docx

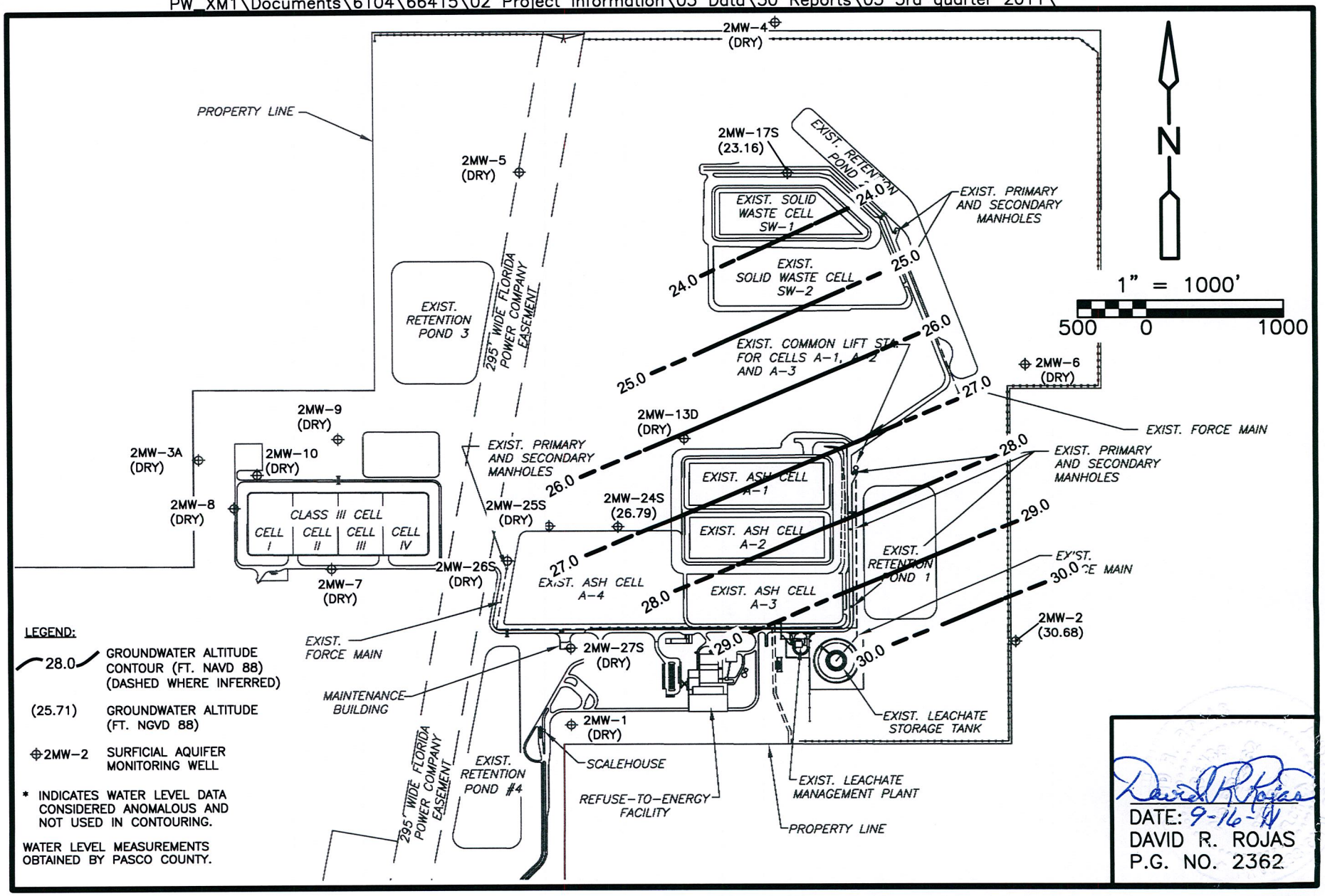
RESOURCE RECOVERY

WATER LEVEL 2011 QUARTER-III

WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.	WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.
2MW1	9-Aug	0835	49.95	DRY	DRY	2MW-13D	9-Aug	1008	52.39	DRY	DRY
4MW1	9-Aug	0840	50.34	19.30	31.04	4MW-13D	9-Aug	1010	54.04	26.38	27.66
2MW2	9-Aug	0956	56.41	25.73	30.68	4MW-14D	9-Aug	1013	52.00	24.87	27.13
4MW2	9-Aug	0958	56.11	24.92	31.19	2MW-15D	9-Aug	1120	54.71	23.95	30.76
2MW3A	9-Aug	0855	50.01	DRY	DRY	2MW-17S	9-Aug	0936	53.42	30.26	23.16
4MW3A	9-Aug	0910	52.92	28.04	24.88	2MW-18D	9-Aug	0933	52.75	30.19	22.56
2MW4	9-Aug	0940	54.77	DRY	DRY	2MW-19D	9-Aug	0930	52.25	28.76	23.49
4MW4	9-Aug	0945	50.81	28.22	22.59	4MW 21	9-Aug	1052	51.46	22.35	29.11
2MW5	9-Aug	0920	49.17	DRY	DRY	4MW 22	9-Aug	1040	53.44	26.85	26.59
4MW5	9-Aug	0923	49.06	24.80	24.26	2MW-24S	9-Aug	1018	50.37 ~~28.90~~	23.58	26.79 ~~5.32~~
2MW6	9-Aug	0950	56.11	DRY	DRY	2MW-24D	9-Aug	1020	50.55 ~~47.30~~	23.77	26.78 ~~23.53~~
4MW6	9-Aug	0952	55.95	29.33	26.62	2MW-25S	9-Aug	1023	47.84 ~~17.40~~	DRY	DRY
2MW7	9-Aug	1058	52.75	DRY	DRY	2MW-25D	9-Aug	1025	47.87 ~~35.33~~	19.61	28.26 ~~15.72~~
4MW7	9-Aug	1100	52.62	23.06	29.56	2MW-26S	9-Aug	1028	54.16 ~~23.00~~	DRY	DRY
2MW8	9-Aug	1046	51.97	DRY	DRY	2MW-26D	9-Aug	1030	54.13 ~~55.00~~	25.84	28.29 ~~29.16~~
4MW8	9-Aug	1048	51.87	21.58	30.29	2MW-27S	9-Aug	1105	50.44 ~~18.00~~	DRY	DRY
2MW9	9-Aug	1035	52.29	DRY	DRY	2MW-27D	9-Aug	1107	50.32 ~~42.00~~	18.95	31.37 ~~23.05~~
4MW9	9-Aug	1037	52.78	24.88	27.90	4MW-27	9-Aug	1109	49.60 ~~77.00~~	18.15	31.45 ~~58.85~~
2MW10	9-Aug	1043	52.63	DRY	DRY	4MW-27D	9-Aug	1110	49.28 ~~156.00~~	17.91	31.37 138.09
4MW-11D	9-Aug	1003	65.00	37.42	27.58						
4MW-12D	9-Aug	1005	55.03	26.41	28.62						

NOTES: CDM revised T.O.P. Elevations based on survey data for new wells. This resulted in revised N.G.V.D. elevations as presented above.

DWG: C:\cdmxm\nunesal\d0706938\FIG Y.dwg USER: Nunesal
DATE: Sep 15, 2011 4:23pm XREFS: R000STPL IMAGES:
PW_XM1\Documents\6104\66415\02 Project Information\03 Data\30 Reports\03 3rd quarter 2011\



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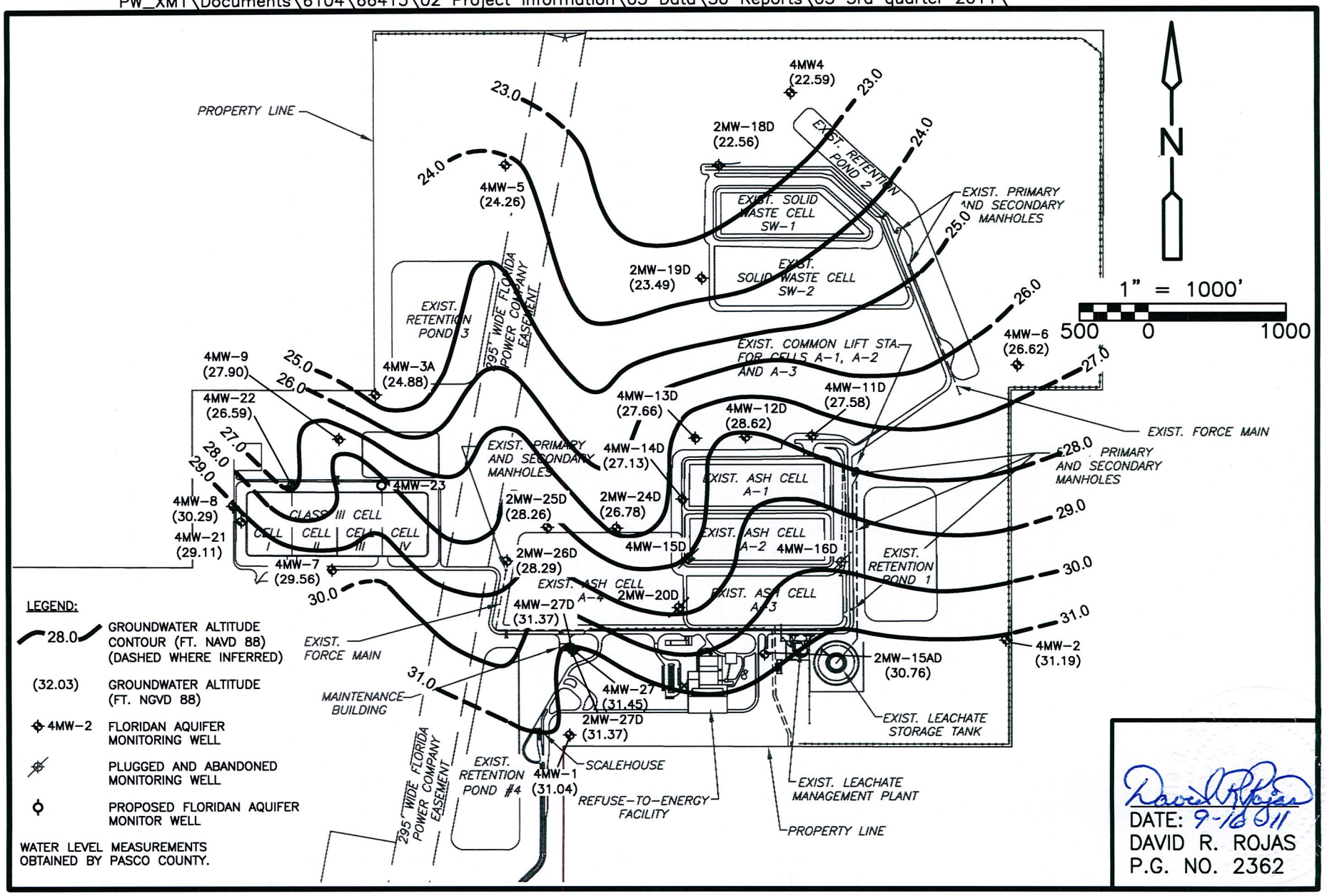
Surfical Aquifer Groundwater Contour Map - Reference file
Third Quarter, 2011
West Pasco Resource Recovery Facility

DWG: C:\cdmxm\nunesal\d0706938\FIG Z.dwg USER: Nunesal
DATE: Sep 15, 2011 4:07pm XREFS: R000STPL IMAGES:
PW_XM1\Documents\6104\66415\02 Project Information\03 Data\30 Reports\03 3rd quarter 2011\



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Floridan Aquifer Groundwater Contour Map - Reference File
Third Quarter, 2011
West Pasco Resource Recovery Facility

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW3A	DATE:	August 18, 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				24.92	BP

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

TWD:	44.00	STATIC WATER:	24.92	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	12.402

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1410	1449	18.60

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)
1449	12.40	12.40	0.32	24.92	7.54	24.68	370	0.85	0.0	CLEAR	NONE
1459	3.10	15.50	0.32	24.92	7.55	24.71	371	0.74	0.0	CLEAR	NONE
1509	3.10	18.60	0.32	24.92	7.53	24.76	372	0.67	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED: 1509
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW3A	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
4MW3A	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
4MW3A	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
4MW3A	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW3A	2	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW3A	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW3A										
REMARKS	**NGVD=28.00**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW17S RS1	DATE:	August 29, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				27.49	BP

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

TWD:	38	STATIC WATER:	27.49	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.6816

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1000	1026	5.04

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)
1026	1.68	1.68	0.07	27.50	6.21	28.88	261	3.01	19.6	CLOUDY	NONE
1038	0.84	2.52	0.07	27.50	6.38	28.91	268	3.09	13.4	CLOUDY	NONE
1050	0.84	3.36	0.07	27.50	6.48	28.95	270	3.11	8.6	CLOUDY	NONE
1102	0.84	4.20	0.07	27.50	6.50	29.00	273	3.19	2.1	CLEAR	NONE
1114	0.84	5.04	0.07	27.50	6.50	29.01	272	3.12	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld	STARTED:		ENDED:	1114
PUMP OR TUBING IN WELL (feet):	34.7-37.7	SAMPLE PUMP FLOW RATE (ML/MIN.):	250	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	
2MW17S RS1	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
2MW17S RS1	1	PE	250	H2SO4	1	<2	NO3	7/19/11	01	BP
2MW17S RS1	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW17S RS1	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW17S RS1	0	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW17S RS1	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=25.93**	RESAMPLE								

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW1	DATE:	August 23, 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					BP

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

TWD:	17	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00	0.00								
		0.00	0.00								
950		0.00	0.00								

DRY WELL

*****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:	950
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW1	0	PE	250	NONE	NONE	N/A	CL,TDS,SO4,TURB.	BP
2MW1	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW1	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW1	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW1	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW1	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP
2MW1								

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW10	DATE:	August 18, 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:
					BP

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

TWD:	15.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00									
		0.00	0.00								
1000		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:	1000
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	
2MW10	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW10	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW10	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW10	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW10	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW10	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW10	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW13D	DATE:	August 17, 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				0	BP

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

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

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00	0.00								
		0.00	0.00								
1150		0.00	0.00								

DRY WELL

*****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:	1150
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW13D	0	PE	250	NONE	NONE	N/A	CL,TDS,SO4,TURB.	BP
2MW13D	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW13D	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW13D	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW13D	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW13D	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP
2MW13D								

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW15DA	DATE:	August 24, 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				21.67	BP

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

TWD:	44	STATIC WATER:	21.67	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.5728

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1350	1407	8.93

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)7.43	COLOR (describe)	ODOR (describe)
1407	3.57	3.57	0.21	21.70	7.25	26.11	313	1.34	20.0	CLOUDY	NONE
1416	1.79	5.36	0.21	21.70	7.43	26.18	311	1.41	8.1	CLOUDY	NONE
1425	1.79	7.14	0.21	21.70	7.49	26.23	308	1.44	0.0	CLEAR	NONE
1434	1.79	8.93	0.21	21.70	7.59	26.32	308	1.51	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1434
PUMP OR TUBING IN WELL (feet):		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	
2MW15DA	1	PE	250	NONE	NONE	N/A	CL,TDS	8/19/11	06	BP
2MW15DA	1	PE	250	H2SO4	1	<2	NH3,NO3	8/5/11	03	BP
2MW15DA	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
2MW15DA	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW15DA	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW15DA	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=33.04**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW17S	DATE:	August 16, 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				27.83	BP

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

TWD:	38	STATIC WATER:	27.83	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.6272

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0830	0855	6.52

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)
0855	1.63	1.63	0.07	27.90	6.34	26.74	287	5.20	21.5	CLOUDY	NONE
0920	1.63	3.26	0.07	27.90	6.32	26.80	286	4.25	18.7	CLOUDY	NONE
0945	1.63	4.89	0.07	27.90	6.31	26.69	286	3.31	14.0	CLOUDY	NONE
0957	0.82	5.70	0.07	27.90	6.36	26.71	286	3.25	13.6	CLOUDY	NONE
1009	0.82	6.52	0.07	27.90	6.32	36.82	290	3.28	13.1	CLOUDY	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld	STARTED:		ENDED:	1009
PUMP OR TUBING IN WELL (feet):	34.7-37.7	SAMPLE PUMP FLOW RATE (ML/MIN.):	250	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	
2MW17S	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
2MW17S	1	PE	250	H2SO4	1	<2	NH3,NO3	8/5/11	03	BP
2MW17S	1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
2MW17S	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW17S	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW17S	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=25.59**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW18D	DATE:	August 16, 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				27.75	BP

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

TWD:	40	STATIC WATER:	27.75	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.96

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1130	1142	5.88

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)
1142	1.96	1.96	0.16	27.80	7.26	25.34	378	1.22	18.8	CLEAR	NONE
1154	1.96	3.92	0.16	27.80	7.18	25.41	374	1.07	16.5	CLEAR	NONE
1206	1.96	5.88	0.16	27.80	7.10	25.48	381	1.16	15.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1206	
PUMP OR TUBING IN WELL (feet):	38.9-41.9	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	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	
2MW18D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
2MW18D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/5/11	03	BP
2MW18D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
2MW18D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW18D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW18D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=25.00**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW19D	DATE:	August 10, 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				28.75	BP

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

TWD:	55	STATIC WATER:	28.75	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	4.2

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1106	1210	6.30

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. (NTU)	COLOR (describe)	ODOR (describe)
1210	4.20	4.20	0.07	28.80	7.55	25.61	435	1.13	0.0	CLEAR	NONE
1225	1.05	5.25	0.07	28.80	7.51	25.68	432	1.07	0.0	CLEAR	NONE
1240	1.05	6.30	0.07	28.80	7.49	25.72	429	1.05	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1240
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	250	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	
2MW19D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
2MW19D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
2MW19D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
2MW19D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW19D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW19D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=23.50**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW2	DATE:	August 11, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				25.7	BP

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

TWD:	36	STATIC WATER:	25.7	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.648

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1125	1150	4.54

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)
1150	1.65	1.65	0.07	26.00	5.34	25.97	83	5.06	28.6	CLOUDY	NONE
1156	0.41	2.06	0.07	26.00	5.28	25.94	81	4.62	24.1	CLOUDY	NONE
1202	0.83	2.89	0.07	26.00	5.27	26.11	82	4.45	19.7	CLOUDY	NONE
1208	0.83	3.71	0.07	26.00	5.31	26.20	85	4.32	16.2	CLEAR	NONE
1214	0.83	4.54	0.07	26.00	5.30	26.24	79	4.23	12.4	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	:	ENDED:	1214
PUMP OR TUBING IN WELL (feet):	34.9-37.9	SAMPLE PUMP FLOW RATE (ML/MIN.):	250	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	
2MW2	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
2MW2	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
2MW2	1	PE	250	HNO3	2	<2	FE,HG,NA	7/11/11	04	BP
2MW2	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW2	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW2	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=30.71**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW20D	DATE:	March 17, 2010

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				23.74	B

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

TWD:	52	STATIC WATER:	23.74	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	4.5216

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	4.52	4.52	0.32								
	1.23	5.75	0.32								
1120	1.23	6.98	0.32	23.74	7.66	22.26	392	2.72	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	Wilfred Martfeld	STARTED:		ENDED:	0	
PUMP OR TUBING IN WELL (feet):	34.7-37.7	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:	T		
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW20D	1	PE	250	NONE	NONE	N/A	CL,TDS,TURB.	3/10/10	03	BP
2MW20D	1	PE	250	H2SO4	1	<2	NH3,NO3	3/10/10	03	BP
2MW20D	1	PE	250	HNO3	1	<2	FE,HG,NA	3/10/10	02	BP
2MW20D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW20D	4	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW20D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
2MW20D										
REMARKS	**NGVD=29.70**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW24D	DATE:	August 24, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				20.84	BP

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

TWD:	44.00	STATIC WATER:	20.84	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.7056

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT	TOTAL VOLUME PURGED (GALLONS):
		1010	1022	11.13

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)
1022	3.71	3.71	0.32	20.90	7.54	26.88	451	0.96	0.0	CLEAR	NONE
1034	3.71	7.42	0.32	20.90	7.60	26.98	454	0.88	0.0	CLEAR	NONE
1046	3.71	11.13	0.32	20.90	7.66	27.06	459	0.80	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		D:		ENDED:	1046
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200			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	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
2MW24D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/10/11	07	BP
2MW24D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
2MW24D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW24D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW24D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=29.71**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW24S	DATE:	August 24, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				20.66	BP

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

TWD:	26.00	STATIC WATER:	20.66	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	0.8544

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0900	0932	1.28

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)
0932	0.85	0.85	0.03	20.80	7.15	27.60	421	1.61	19.9	CLOUDY	NONE
0939	0.21	1.07	0.03	20.80	7.29	27.61	428	1.58	10.6	CLEAR	NONE
0946	0.21	1.28	0.03	20.80	7.34	27.66	434	1.54	2.3	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	946
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	100	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	
2MW24S	1	PE	250	NONE	NONE	N/A	CL,TDS	8/19/11	06	BP
2MW24S	1	PE	250	H2SO4	1	<2	NH3,NO3	8/19/11	06	BP
2MW24S	1	PE	250	HNO3	1	<2	FE,HG,NA	8/19/11	05	BP
2MW24S	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW24S	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW24S	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=29.71**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW25D	DATE:	August 24, 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				17.74	BP

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

TWD:	32	STATIC WATER:	17.74	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	2.2816

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1140	1151	6.84

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)
1151	2.28	2.28	0.20	17.80	7.15	27.11	593	1.17	25.2	CLOUDY	NONE
1157	1.14	3.42	0.20	17.80	7.18	27.17	597	1.13	12.5	CLOUDY	NONE
1203	1.14	4.56	0.20	17.80	7.20	27.22	591	1.04	8.5	CLEAR	NONE
1209	1.14	5.70	0.20	17.80	7.21	27.28	594	1.00	7.3	CLEAR	NONE
1215	1.14	6.84	0.20	17.80	7.25	27.33	596	1.02	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1215	
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	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
2MW25D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/10/11	07	BP
2MW25D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
2MW25D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW25D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW25D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=30.13**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW25S	DATE:	August 24, 2011

PURGING DATA

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

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

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

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00									
	0.00	0.00									
1115	0.00	0.00									

DRY

***WATER LEVEL IS BELOW TOP OF PUMP.

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1115
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW25S	0	PE	250	NONE	NONE	N/A	CL,TDS			BP
2MW25S	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW25S	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW25S	0	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW25S	0	CG	40	HCL	NONE	<2	APP.I 8260			BP
2MW25S	0	CG	40	NONE	NONE	N/A	APP.I 8011			BP

REMARKS	**NGVD=DRY**	Static water level (16.86 ft) measured lower than reported total well depth (14.50 ft). Attempted to purge was unsuccessful; reporting as dry. Total well depth was measured at 17.33 ft.

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW26D	DATE:	August 24, 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				23.47	BP

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

TWD:	55	STATIC WATER:	23.47	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	5.0448

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1240	1256	10.08

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)
1256	5.04	5.04	0.32	23.50	7.28	26.36	548	1.51	6.4	CLEAR	NONE
1304	2.52	7.56	0.32	23.50	7.39	26.35	548	1.48	3.4	CLEAR	NONE
1312	2.52	10.08	0.32	23.50	7.37	26.45	551	1.39	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1312
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW26D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/10/11	07	BP
2MW26D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/19/11	06	BP
2MW26D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
2MW26D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
2MW26D	3	CG	40	HCL	NONE	<2	APP.I 8260			
2MW26D	2	CG	40	NONE	NONE	N/A	APP.I 8011			
REMARKS	**NGVD=30.66**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW26S	DATE:	August 24, 2011

PURGING DATA

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

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

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

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
	0.00	0.00	0.29								
	0.00	0.00	0.29								
1225	0.00	0.00	0.29								

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1225
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

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

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW27D	DATE:	August 22, 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				18.35	BP

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

TWD:	42	STATIC WATER:	18.35	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.784

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1426	1450	6.62

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)
1450	3.78	3.78	0.16	18.40	7.67	26.27	690	0.83	0.0	CLEAR	NONE
1502	1.89	5.67	0.16	18.40	7.68	26.41	688	0.67	0.0	CLOUDY	NONE
1514	0.95	6.62	0.16	18.40	7.69	26.32	690	0.57	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1514
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	TUBING MATERIAL CODE:			T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
2MW27D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/16/11	03	BP
2MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/10/11	07	BP
2MW27D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
2MW27D	3	CG	40	HCL	NONE	<2	8260			BP
2MW27D	2	CG	40	NONE	NONE	N/A	8011			BP
2MW27D	1	PE	500	HNO3	NONE	<2	APP I METALS			BP
REMARKS	**NGVD=31.97**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW27S	DATE:	August 22, 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:	18.00	STATIC WATER:	DRY	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	#VALUE!

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

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

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

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)
	#VALUE!	#VALUE!	0.29	DRY							
	1.13	#VALUE!	0.29	DRY							
0830	1.13	#VALUE!	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:	830
PUMP OR TUBING IN WELL (feet):	43.0-46.0	SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

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

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW3	DATE:	August 18, 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:
					BP

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

TWD:	12.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
1355		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:	1355
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	
2MW3	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW3	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW3	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW3	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW3	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW3	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW3	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW4	DATE:	August 10, 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					BP

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

TWD:	21	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00	0.00								
		0.00	0.00								
0930		0.00	0.00								

DRY WELL

*****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:	930
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW4	0	PE	250	NONE	NONE	N/A	TDS,SO4,TURB.	BP
2MW4	0	PE	125	NONE	NONE	N/A	CL	BP
2MW4	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW4	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW4	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW4	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW4	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW5	DATE:	August 11, 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				0	BP

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

TWD:	11.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00	0.00								
		0.00	0.00								
1235		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:	1235
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW5	0	PE	250	NONE	NONE	N/A	TDS,SO4,TURB.	BP
2MW5	0	PE	125	NONE	NONE	N/A	CL	BP
2MW5	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW5	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW5	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW5	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW5	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP

REMARKS **WELL IS DRY**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW6	DATE:	August 10, 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					BP

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

TWD:	25	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00	0.00								
		0.00	0.00								
1300		0.00	0.00								

DRY WELL

*****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:	1300
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		
2MW6	0	PE	250	NONE	NONE	N/A	CL,TDS,SO4,TURB.	BP
2MW6	0	PE	250	H2SO4	1	<2	NH3,NO3	BP
2MW6	0	PE	200	HNO3	1	<2	FE,HG,NA	BP
2MW6	0	PE	500	HNO3	NONE	<2	APP.I ICP METALS	BP
2MW6	0	CG	40	HCL	NONE	<2	APP.I 8260	BP
2MW6	0	CG	40	NONE	NONE	N/A	APP.I 8011	BP
2MW6								

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW7	DATE:	August 18, 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:
					BP

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

TWD:	15.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0	0.00	0.00									
		0.00	0.00								
950		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:	950
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	
2MW7	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW7	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW7	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW7	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW7	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW7	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW7	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY. TWD=15.04**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW8	DATE:	August 18, 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:
					BP

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

TWD:	18.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
1010		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:	1010
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	
2MW8	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW8	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW8	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW8	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW8	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW8	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW8	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	2MW9	DATE:	August 18, 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:
					BP

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

TWD:	12.00	STATIC WATER:	0	GALLONS/ FOOT:	0	1 WELL VOLUME=	0

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

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

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

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0000	0.00	0.00									
		0.00	0.00								
1020		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:	1020
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):		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	
2MW9	0	PE	250	NONE	NONE	N/A	CL,TDS,COLOR			BP
2MW9	0	PE	250	H2SO4	1	<2	NH3,NO3			BP
2MW9	0	PE	250	HNO3	1	<2	FE,HG,NA			BP
2MW9	0	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
2MW9	0	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
2MW9	0	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
2MW9	0	CG	40	NONE	NONE	N/A	TRIP BLANK			O

REMARKS **WELL IS DRY.**

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW1	DATE:	August 23, 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				16.43	BP

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

TWD:	42	STATIC WATER:	16.43	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	16.6205

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1000	1053	24.93

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)
1053	16.62	16.62	0.32	16.43	7.31	25.41	637	1.10	1.0	CLEAR	NONE
1106	4.16	20.78	0.32	16.43	7.38	25.53	638	1.04	0.0	CLEAR	NONE
1119	4.16	24.93	0.32	16.43	7.48	25.59	640	0.75	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	:	ENDED:	1119
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW1	1	PE	250	NONE	NONE	N/A	CL,TDS	8/16/11	03	BP
4MW1	1	PE	250	H2SO4	1	<2	NH3,NO3	8/16/11	03	BP
4MW1	1	PE	250	HNO3	1	<2	FE,HG,NA	8/16/11	05	BP
4MW1	1	PE	500	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW1	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW1	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=33.91**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW11D	DATE:	August 16, 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				35.11	BP

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

TWD:	52	STATIC WATER:	35.11	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	10.9785

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1235	1310	21.96

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. (NTU)	COLOR (describe)	ODOR (describe)
1310	10.98	10.98	0.32	35.11	7.41	25.80	288	2.25	27.8	CLOUDY	NONE
1319	2.75	13.72	0.32	35.11	7.45	25.86	291	2.21	24.4	CLOUDY	NONE
1328	2.75	16.47	0.32	35.11	7.48	25.81	294	2.11	19.8	CLOUDY	NONE
1337	2.75	19.21	0.32	35.11	7.51	25.84	298	2.08	18.1	CLOUDY	NONE
1346	2.75	21.96	0.32	35.11	7.52	25.89	302	2.00	17.5	CLOUDY	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1346
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW11D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
4MW11D	1	PE	250	H2SO4	1	<2	NH3,NO3	7/1/11	04	BP
4MW11D	1	PE	250	HNO3	2	<2	FE,HG,NA	8/12/11	02	BP
4MW11D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW11D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW11D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=29.89**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW12D	DATE:	August 17, 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				25.86	BP

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

TWD:	55.00	STATIC WATER:	25.86	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	18.941

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1012	1112	28.41

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)
1112	18.94	18.94	0.32	25.90	7.34	26.48	470	1.39	0.0	CLEAR	NONE
1127	4.74	23.68	0.32	25.90	7.34	26.54	471	1.28	0.0	CLEAR	NONE
1142	4.74	28.41	0.32	25.90	7.33	26.61	472	0.69	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1142
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW12D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
4MW12D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/5/11	03	BP
4MW12D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
4MW12D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW12D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW12D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=29.17**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW13D	DATE:	August 17, 2011

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAMETER(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft		STATIC DEPTH TO WATER (feet)	PURGE PUMP TYPE OR BAILER:
2				25.24	BP

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

TWD:	36	STATIC WATER:	25.24	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	1.7216

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1249	1300	5.16

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)
1300	1.72	1.72	0.16	25.30	7.41	26.38	421	0.94	5.4	CLEAR	NONE
1311	1.72	3.44	0.16	25.30	7.48	26.31	421	0.88	4.2	CLEAR	NONE
1322	1.72	5.16	0.16	25.30	7.51	26.29	422	0.76	3.7	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1322
PUMP OR TUBING IN WELL (feet):	35.1-38.1	SAMPLE PUMP FLOW RATE (ML/MIN.):	600	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	
4MW13D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
4MW13D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
4MW13D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
4MW13D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW13D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW13D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=28.80**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW14D	DATE:	August 17, 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				22.19	BP

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

TWD:	50	STATIC WATER:	22.19	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	18.0765

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1328	1425	36.16

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)
1425	18.08	18.08	0.32	22.20	7.55	26.41	389	1.81	0.0	CLEAR	NONE
1439	4.52	22.60	0.32	22.20	7.60	25.60	390	1.71	0.0	CLEAR	NONE
1453	4.52	27.12	0.32	22.20	7.61	26.61	391	1.64	0.0	CLEAR	NONE
1507	4.52	31.64	0.32	22.20	7.63	26.64	388	1.61	0.0	CLEAR	NONE
1514	4.52	36.16	0.32	22.20	7.65	26.71	389	1.57	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1514
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1200	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW14D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
4MW14D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/5/11	03	BP
4MW14D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
4MW14D	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW14D	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW14D	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=29.81**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW2	DATE:	August 11, 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				24.89	BP

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

TWD:	69	STATIC WATER:	24.89	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	28.6715

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0900	1008	43.01

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 (observed)	ODOR (observed)
1008	28.67	28.67	0.42	24.89	8.07	23.74	176	1.42	5.4	CLEAR	NONE
1025	7.17	35.84	0.42	24.89	8.06	26.61	178	1.11	1.8	CLEAR	NONE
1042	7.17	43.01	0.42	24.89	8.07	26.66	178	1.10	0.0	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1042
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	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	
4MW2	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
4MW2	1	PE	250	H2SO4	1	<2	NH3,NO3	7/11/11	02	BP
4MW2	1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
4MW2	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW2	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW2	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=31.22**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD (28°22'22.17"/82°34'14.48")		
WELL NO.		SAMPLE ID:	4MW21	DATE:	August 23, 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		24.2	39.2	20.94	BP

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

TWD:	39.70	STATIC WATER:	20.94	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.0016

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):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1150	1209	6.00

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)
1209	3.00	3.00	0.16	21.00	5.75	27.38	159	1.43	19.7	CLOUDY	NONE
1218	1.50	4.50	0.16	21.00	5.77	27.49	159	1.37	10.4	CLOUDY	NONE
1227	1.50	6.00	0.16	21.00	5.61	27.54	157	1.38	4.3	CLEAR	NONE
1245	1.50	1.50	0.00	21.00	5.55	23.01	116	3.91	0.1	CLEAR	NONE

***WATER LEVEL IS BELOW TOP OF PUMP.

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

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	Wilfred Martfeld	STARTED:		ENDED:	1227
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	600	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	YES		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	
4MW21	1	PE	250	NONE	NONE	N/A	CL,TDS	8/16/11	03	BP
4MW21	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	8/16/11	03	BP
4MW21	2	PE	125	HNO3	10DR0DS	<2	FE,HG,NA	8/12/11	02	BP
4MW21	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW21	2	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW21	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW21										
REMARKS	NGVD=30.52									

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 RFPP=Reverse Flow
EQUIPMENT CODES: Peristaltic Pump; SM=Straw Method(Tube Gravity Drain); VT=Vacuum Trap; O=Other(Specify)

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD (28°22'24.97"/82°34'10.05")		
WELL NO.		SAMPLE ID:	4MW22	DATE:	August 23, 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		30.3	45.3	24.69	BP

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

TWD:	45.80	STATIC WATER:	24.69	GALLONS/ FOOT:	0.16	1 WELL VOLUME=	3.3776

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1332	1353	10.14

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)
1353	3.38	3.38	0.16	24.70	7.24	26.16	414	1.89	38.1	CLOUDY	NONE
1414	3.38	6.76	0.16	24.70	7.31	26.33	411	1.64	20.6	CLOUDY	NONE
1435	3.38	10.14	0.16	24.70	7.36	26.39	413	1.51	10.8	CLEAR	NONE
1456	3.38	13.52	0.16	24.70	7.29	26.48	417	1.48	4.2	CLEAR	NONE
1517	3.38	16.90	0.16	24.70	7.40	26.51	419	1.13	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1435	
PUMP OR TUBING IN WELL (feet):		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	
4MW22	1	PE	250	NONE	NONE	N/A	CL,TDS	8/10/11	0007	BP
4MW22	1	PE	250	H2SO4	20DROPS	<2	NH3,NO3	8/10/11	0007	BP
4MW22	1	PE	250	HNO3	20DROPS	<2	FE,HG,NA	8/12/11	0002	BP
4MW22	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW22	2	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW22	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW22										
REMARKS	**NGVD= 28.75**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW27	DATE:	August 22, 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				17.57	BP

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

TWD:	77	STATIC WATER:	17.57	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	38.6295

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1210	1332	57.94

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)
1332	38.63	38.63	0.47	17.60	7.71	25.91	697	0.98	0.0	CLEAR	NONE
1353	9.66	48.29	0.47	17.60	7.68	25.94	699	0.77	0.0	CLEAR	NONE
1414	9.66	57.94	0.47	17.60	7.65	26.01	704	0.68	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:	ENDED:	1414
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1800	TUBING MATERIAL CODE:	T
FIELD DECONTAMINATION:	YES	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW27	1	PE	250	NONE	NONE	N/A	CL,TDS.	8/16/11	03	BP
4MW27	1	PE	250	H2SO4	1	<2	NH3,NO3	8/16/11	03	BP
4MW27	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
4MW27	3	CG	40	HCL	NONE	<2	8260			BP
4MW27	2	CG	40	NONE	NONE	N/A	8011			BP
4MW27	1	PE	500	HNO3	NONE	<2	APP. I METALS			BP
REMARKS	**NGVD=32.03**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW27D	DATE:	August 22, 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				17.26	BP

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

TWD:	156	STATIC WATER:	17.26	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	90.181

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0830	1053	135.27

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)
1053	90.18	90.18	0.63	17.60	7.95	25.19	238	1.28	0.0	CLEAR	NONE
1129	22.55	112.73	0.63	17.60	7.93	25.26	236	1.11	0.0	CLEAR	NONE
1205	22.55	135.27	0.63	17.60	7.95	25.37	236	0.62	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1205
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2400	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW27D	1	PE	250	NONE	NONE	N/A	CL,TDS	8/16/11	03	BP
4MW27D	1	PE	250	H2SO4	1	<2	NH3,NO3	8/16/11	03	BP
4MW27D	1	PE	250	HNO3	1	<2	FE,HG,NA	8/12/11	02	BP
4MW27D	3	CG	40	HCL	NONE	<2	8260			BP
4MW27D	2	CG	40	NONE	NONE	N/A	8011			BP
4MW27D	1	PE	500	HNO3	NONE	<2	APP. I METALS			BP
REMARKS	**NGVD=32.02**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW4	DATE:	August 10, 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				28.22	BP

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

TWD:	42.00	STATIC WATER:	28.22	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	8.957

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1000	1031	13.44

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	8.96	8.96	0.29	28.22	7.50	24.78	368	1.28	0.0	CLEAR	NONE
1039	2.24	11.20	0.29	28.22	7.49	24.81	375	1.26	0.0	CLEAR	NONE
1047	2.24	13.44	0.29	28.22	7.47	24.62	380	1.18	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1047
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1100	TUBING MATERIAL CODE:		T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES	
4MW4	1	PE	250	NONE	NONE	N/A	CL,TDS.	8/1/11	02	BP
4MW4	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
4MW4	1	PE	250	HNO3	1	<2	FE,HG,NA	7/11/11	04	BP
4MW4	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW4	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW4	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=22.59**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW5	DATE:	August 11, 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				24.77	BP

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

TWD:	77.00	STATIC WATER:	24.77	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	33.9495

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1235	1356	67.90

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)
1356	33.95	33.95	0.42	24.77	7.38	26.84	488	2.21	0.0	CLEAR	NONE
1416	8.49	42.44	0.42	24.77	7.41	26.89	496	2.11	0.0	CLEAR	NONE
1436	8.49	50.92	0.42	24.77	7.44	26.93	509	2.09	0.0	CLEAR	NONE
1456	8.49	59.41	0.42	24.77	7.45	26.94	512	2.01	0.0	CLEAR	NONE
1516	8.49	67.90	0.42	24.77	7.47	26.98	516	1.98	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*		STARTED:		ENDED:	1516
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	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	
4MW5	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
4MW5	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
4MW5	1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
4MW5	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW5	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW5	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=24.29**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW6	DATE:	August 10, 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				28.87	BP

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

TWD:	107.00	STATIC WATER:	28.87	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	50.7845

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1300	1409	101.56

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. (NTU)	COLOR (describe)	ODOR (describe)
1409	50.78	50.78	0.74	28.87	8.11	25.40	137	3.51	2.5	CLEAR	NONE
1426	12.70	63.48	0.74	28.87	8.15	25.31	137	3.44	0.0	CLEAR	NONE
1443	12.70	76.17	0.74	28.87	8.18	25.20	132	3.30	0.0	CLEAR	NONE
1500	12.70	88.87	0.74	28.87	8.24	25.25	133	3.29	0.0	CLEAR	NONE
1517	12.70	101.56	0.74	28.87	8.25	25.27	133	3.31	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	Wilfred Martfeld	*Wilfred Martfeld*	STARTED:		ENDED:	1517
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	2800	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	
4MW6	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
4MW6	1	PE	250	H2SO4	1	<2	NH3,NO3	8/1/11	02	BP
4MW6	1	PE	250	HNO3	1	<2	FE,HG,NA	6/27/11	03	BP
4MW6	1	PE	250	HNO3	NONE	<2	APP.I ICP METALS			BP
4MW6	3	CG	40	HCL	NONE	<2	APP.I 8260			BP
4MW6	2	CG	40	NONE	NONE	N/A	APP.I 8011			BP
REMARKS	**NGVD=27.06**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW7	DATE:	August 18, 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				21.82	BP

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

TWD:	50.00	STATIC WATER:	21.82	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	18.317

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1243	1326	27.48

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)
1326	18.32	18.32	0.42	12.82	7.48	24.22	352	1.24	4.8	CLEAR	NONE
1337	4.58	22.90	0.42	12.82	7.55	24.29	351	1.05	0.0	CLEAR	NONE
1347	4.58	27.48	0.42	12.82	7.56	24.31	353	1.07	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:	ENDED:	1347
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	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	
4MW7	1	PE	250	NONE	NONE	N/A	CL,TDS	8/1/11	02	BP
4MW7	1	PE	250	H2SO4	1	<2	NH3,NO3	8/5/11	03	BP
4MW7	1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
4MW7	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW7	2	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW7	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW7										

REMARKS	**NGVD=30.80**	

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW8	DATE:	August 18, 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				20.84	BP

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

TWD:	41.00	STATIC WATER:	20.84	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	13.104

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1140	1211	19.65

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)
1211	13.10	13.10	0.42	20.90	7.39	23.45	337	1.19	5.5	CLEAR	NONE
1219	3.28	16.38	0.42	20.90	7.48	23.52	338	0.95	3.2	CLEAR	NONE
1227	3.28	19.65	0.42	20.90	7.51	23.60	339	0.66	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:	ENDED:	1227
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	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	
4MW8	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
4MW8	1	PE	250	H2SO4	0.5	<2	NH3,NO3	8/5/11	03	BP
4MW8	1	PE	250	HNO3	0.5	<2	FE,HG,NA	8/5/11	01	BP
4MW8	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW8	2	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW8	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW8										
REMARKS	**NGVD=31.03**									

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

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

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

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

GROUNDWATER SAMPLING LOG - PASCO COUNTY ENVIRONMENTAL LAB

SITE NAME:	WEST PASCO CLASS III LF	SITE LOCATION:	HAYS ROAD		
WELL NO.		SAMPLE ID:	4MW9	DATE:	August 18, 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				24.01	BP

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

TWD:	51.00	STATIC WATER:	24.01	GALLONS/ FOOT:	0.65	1 WELL VOLUME=	17.5435

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

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

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		1028	1110	26.31

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (ft)	Ph (standard units)	TEMP. (CEL.)	COND. (umhos/cm or uS/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1110	17.54	17.54	0.42	24.01	7.41	24.40	369	1.26	0.0	CLEAR	NONE
1120	4.39	21.93	0.42	24.01	7.48	24.49	375	1.21	0.0	CLEAR	NONE
1130	4.39	26.31	0.42	24.01	7.51	24.57	380	1.18	0.0	CLEAR	NONE

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

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

SAMPLING DATA

SAMPLED BY (PRINT):	WILFRED MARTFELD	*Wilfred Martfeld*	STARTED:		ENDED:	1130
PUMP OR TUBING IN WELL (feet):		SAMPLE PUMP FLOW RATE (ML/MIN.):	1600	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	
4MW9	1	PE	250	NONE	NONE	N/A	CL,TDS	8/5/11	03	BP
4MW9	1	PE	250	H2SO4	1	<2	NH3,NO3	8/5/11	03	BP
4MW9	1	PE	250	HNO3	1	<2	FE,HG,NA	8/5/11	01	BP
4MW9	1	PE	250	HNO3	NONE	<2	APP.I (ICP METALS)	N/A	N/A	BP
4MW9	2	CG	40	NONE	NONE	N/A	APP.I (8011)	N/A	N/A	BP
4MW9	3	CG	40	HCL	NONE	<2	APP.I (8260)	N/A	N/A	BP
4MW9										
REMARKS	**NGVD=28.77**									

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

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

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

PASCO COUNTY ENVIRONMENTAL LAB

FIELD PARAMETER DATA SHEET FOR LEACHATE SAMPLING

PROJECT/SURVEY	SAMPLER(S)
RESOURCE RECOVERY	WILFRED MARTFELD

TANK NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TANK DEPTH	SAMPLE DEPTH	PH	TEMP.	COND.	D.O.	TURB	COLOR
		UNIT	DAY-MONTH	24hr	FEET	FEET	STD. UNITS	CELSIOUS	us/cm	MG/L	NTU	(OBS.)
A-1 PRIM.	LEACHATE TANKS		08/02/11	1030	N/A	1	7.45	28.48	3560	4.12	6.5	CLEAR

SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION		INTENDED ANALYSIS and/or METHOD	BOTTLE	
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES
A-1 PRIM.	1	PE	250	NONE	NONE	N/A	BICARB,CL,TDS,COLOR.	7/1/11	04
A-1 PRIM.	1	PE	250	H2SO4	1	<2	NH3,NO3	7/1/11	04
A-1 PRIM.	1	PE	125	HNO3	10DROPS	<2	FE,HG.NA	6/27/11	03
A-1 PRIM.	0	PE	250	HNO3	N/A	<2	APP.II (ICP METALS)		
A-1 SEC.	0	PE	250	NaOH	N/A	>12	CYANIDE		
A-1 PRIM.	0	PE	1000	NaOH/ZnAcetate	N/A	<2	Sulfide		
A-1 PRIM.	3	CG	40	HCL	N/A	<2	8260		
A-1 PRIM.	0	AG	1000	NONE	N/A	<2	8082		
A-1 PRIM.	2	CG	40	NONE	N/A	N/A	8011		
A-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8081		
A-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8151 Chlorinated herbicides		
A-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8141 Organophosphorus pesticides		
A-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8270 Semivolatile organics		

REMARKS:

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

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

NOTE: This sheet is used for recording Sample Data - Calibration information must also be documented (see FT 1100, sec. 4)

A1-PRI LEACHATE QIII 2011 11/23/2011

METER #
3
SHEENS
(OBS.)
NONE
EQUIP. CODE:
B
B
B
B
B
B
B
B
B
B
B
B
vity Drain);

A1-PRI LEACHATE QIII 2011

11/23/2011

PASCO COUNTY ENVIRONMENTAL LAB

FIELD PARAMETER DATA SHEET FOR LEACHATE SAMPLING

PROJECT/SURVEY	SAMPLER(S)
RESOURCE RECOVERY	WILFRED MARTFELD

TANK NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TANK DEPTH	SAMPLE DEPTH	PH	TEMP.	COND.	D.O.	TURB	COLOR
		UNIT	MM/DD/YY	24hr	FEET	FEET	STD. UNITS	CELSIOUS	us/cm	MG/L	NTU	(OBS.)
A-1 SEC.	LEACHATE TANKS		08/02/11	1100	N/A	0.5	7.85	29.09	5610	4.42	4.8	CLEAR

SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION		INTENDED ANALYSIS and/or METHOD	BOTTLE	
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES
A-1 SEC.	1	PE	250	NONE	NONE	N/A	BICARB,CL,TDS,COLOR.	7/1/11	04
A-1 SEC.	1	PE	250	H2SO4	1	<2	NH3,NO3	7/1/11	04
A-1 SEC.	1	PE	125	HNO3	10DROPS	<2	FE,HG.NA	6/27/11	03
A-1 SEC.	0	PE	250	HNO3	N/A	<2	APP.II (ICP METALS)		
A-1 SEC.	0	PE	250	NaOH	N/A	>12	CYANIDE		
A-1 SEC.	0	PE	1000	NaOH/ZnAcetate	N/A	<2	Sulfide		
A-1 SEC.	3	CG	40	HCL	N/A	<2	8260		
A-1 SEC.	0	AG	1000	NONE	N/A	<2	8082		
A-1 SEC.	2	CG	40	NONE	N/A	N/A	8011		
A-1 SEC.	0	AG	1000	NONE	N/A	N/A	8081		
A-1 SEC.	0	AG	1000	NONE	N/A	N/A	8151 Chlorinated herbicides		
A-1 SEC.	0	AG	1000	NONE	N/A	N/A	8141 Organophosphorus pesticides		
A-1 SEC.	0	AG	1000	NONE	N/A	N/A	8270 Semivolatile organics		

REMARKS: APP. I&II PREPARED BY PACE LABORATORY.

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

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

NOTE: This sheet is used for recording Sample Data - Calibration information must also be documented (see FT 1100, sec. 4)

A1-SEC LEACHATE QIII 2011 11/23/2011

METER #
3
SHEENS
(OBS.)
NONE
EQUIP. CODE:
B
B
B
B
B
B
B
B
B
B
B
B
vity Drain);

RESOURCE RECOVERY 2011 QUARTER-III

WELL DATA					FIELD MEASUREMENTS							LAB MEASUREMENTS							ANALYST: WMM
WELL I.D.	DATE (DD-MMM)	SAMPLE TIME (24hr)	T.O.P. ELEVATION (ft)	STATIC H2O LEVEL (ft)	N.G.V.D. (ft)	PH	TEMP. (°C)	COND. (mg/L)	D.O. (mg/L)	TURB FIELD (NTU)	COLOR (OBS)	CL (mg/L)	TDS (mg/L)	NH-3 (mg/L)	NO-3 (mg/L)	FE+ (mg/L)	HG (mg/L)	NA+ (mg/L)	*SAMPLE #*
2MW1	**08/23/11**	0950	49.95	DRY	**DRY**														**DRY**
4MW1	**08/23/11**	1119	50.34	16.43	**33.91**	7.48	25.59	640	0.75	0.0	CLEAR	94.8	458	<0.04	0.91	<2.0	0.09	49.8	**AB68553**
2MW2	**08/11/11**	1214	56.41	25.70	**30.71**	5.30	26.24	79	4.23	12.4	CLEAR	2.74	76	<0.04	7.24	12.1	0.13	1.85	**AB68073**
4MW2	**08/11/11**	1042	56.11	24.89	**31.22**	8.07	26.66	178	1.10	0.0	CLEAR	4.55	128	0.05	2.44	<2.0	0.07	2.68	**AB68074**
2MW3A	**08/18/11**	1355	50.01	DRY	**DRY**														**DRY**
4MW3A	**08/18/11**	1509	52.92	24.92	**28.00**	7.53	24.76	372	0.67	0.0	CLEAR	19.0	244	0.12	<0.02	105	0.05	7.61	**AB68378**
2MW4	**08/10/11**	0930	54.77	DRY	**DRY**														**DRY**
4MW4	**08/10/11**	1047	50.81	28.22	**22.59**	7.47	24.62	380	1.18	0.0	CLEAR	14.8	264	<0.04	0.25	6.8	<0.03	5.82	**AB67989**
2MW5	**08/11/11**	1235	49.17	DRY	**DRY**														**DRY**
4MW5	**08/11/11**	1516	49.06	24.77	**24.29**	7.47	26.98	516	1.98	0.0	CLEAR	69.5	394	<0.04	1.06	<2.0	<0.03	26.9	**AB68075**
2MW6	**08/10/11**	1300	56.11	DRY	**DRY**														**DRY**
4MW6	**08/10/11**	1517	55.93	28.87	**27.06**	8.25	25.27	133	3.31	0.0	CLEAR	3.72	94	<0.04	0.96	<2.0	<0.03	65	**AB67990**
2MW7	**08/18/11**	0950	52.75	DRY	**DRY**														**DRY**
4MW7	**08/18/11**	1347	52.62	21.82	**30.80**	7.56	24.31	353	1.07	0.0	CLEAR	14.9	244	<0.04	0.27	<2.0	0.05	4.83	**AB68379**
2MW8	**08/18/11**	1010	51.97	DRY	**DRY**														**DRY**
4MW8	**08/18/11**	1227	51.87	20.84	**31.03**	7.51	23.60	339	0.66	0.0	CLEAR	10.90	224	<0.04	0.06	<2.0	0.04	4.25	**AB68380**
2MW9	**08/18/11**	1020	52.29	DRY	**DRY**														**DRY**
4MW9	**08/18/11**	1130	52.78	24.01	**28.77**	7.51	24.57	380	1.18	0.0	CLEAR	21.0	278	<0.04	1.14	4.4	<0.03	60.00	**AB68381**
2MW10	**08/18/11**	1000	52.63	DRY	**DRY**														**DRY**
4MW-11D	**08/16/11**	1346	65.00	35.11	**29.89**	7.52	25.89	302	2.00	17.5	CLOUDY	9.15	202	<0.04	1.10	18.4	0.08	3.87	**AB68261**
4MW-12D	**08/17/11**	1142	55.03	25.86	**29.17**	7.33	26.61	472	0.69	0.0	CLEAR	30.5	336	<0.04	0.20	<2.0	0.06	8.70	**AB68325**
2MW-13D	**08/17/11**	1150	52.39	DRY	**DRY**														**DRY**
4MW-13D	**08/17/11**	1322	54.04	25.24	**28.80**	7.51	26.29	422	0.76	3.7	CLEAR	37.8	356	<0.04	0.37	<2.0	0.03	12.2	**AB68326**
4MW-14D	**08/17/11**	1514	52.00	22.19	**29.81**	7.65	26.71	389	1.57	0.0	CLEAR	36.0	262	<0.04	1.01	49.8	<0.03	14.1	**AB68327**
2MW-15AD	**08/24/11**	1434	54.71	21.67	**33.04**	7.59	26.32	308	1.51	0.0	CLEAR	9.84	186	<0.04	1.12	53.2	0.09	4.81	**AB68613**
2MW-17S	**08/16/11**	1009	53.42	27.83	**25.59**	6.32	36.82	290	3.28	13.1	CLOUDY	11.9	268	<0.04	14.6	72.9	0.03	3.81	**AB68259**
2MW-18D	**08/16/11**	1206	52.75	27.75	**25.00**	7.10	25.48	381	1.16	15.0	CLEAR	34.1	296	<0.04	3.33	<2.0	0.03	10.8	**AB68260**
2MW-19D	**08/10/11**	1240	52.25	28.75	**23.50**	7.49	25.72	429	1.05	0.0	CLEAR	24.2	324	<0.04	0.27	2	0.03	8.72	**AB67991**
4MW 21	**08/23/11**	1227	51.46	20.94	**30.52**	5.61	27.54	157	1.38	4.3	CLEAR	19.2	152	<0.04	8.83	73.8	0.12	5.78	**AB68554**
4MW 22	**08/23/11**	1517	53.44	24.69	**28.75**	7.40	26.51	419	1.13	0.0	CLEAR	13.2	282	<0.04	2.41	20.9	0.10	6.39	**AB68555**
2MW-24S	**08/24/11**	0946	50.37	20.66	**29.71**	7.34	27.66	434	1.54	2.3	CLEAR	22.0	296	<0.04	6.17	522	0.11	10.7	**AB68614**
2MW-24D	**08/24/11**	1046	50.55	20.84	**29.71**	7.66	27.06	459	0.80	0.0	CLEAR	63.1	334	<0.04	1.43	<2.0	0.09	24.6	**AB68615**

2MW-25S	**08/24/11**	1115	47.84	16.86	**30.98**														**DRY**
2MW-25D	**08/24/11**	1215	47.87	17.74	**30.13**	7.25	27.33	596	1.02	0.0	CLEAR	40.6	394	0.38	0.04	543	0.10	24.2	**AB68616**
2MW-26S	**08/24/11**	1225	54.16	DRY	**DRY**														**DRY**
2MW-26D	**08/24/11**	1312	54.13	23.47	**30.66**	7.37	26.45	551	1.39	0.0	CLEAR	78.7	412	<0.04	1.29	9.2	0.09	32.8	**AB68617**
2MW-27S	**08/22/11**	0830	50.00	0.00	**DRY**														**DRY**
2MW-27D	**08/22/11**	1514	50.32	18.35	**31.97**	7.69	26.32	690	0.57	0.0	CLEAR	127	530	0.29	1.08	33.7	0.09	58.9	**AB68513**
4MW-27	**08/22/11**	1414	49.60	17.57	**32.03**	7.65	26.01	704	0.68	0.0	CLEAR	154	534	<0.04	0.92	<2.0	0.09	61.6	**AB68514**
4MW-27D	**08/22/11**	1205	49.28	17.26	**32.02**	7.95	25.37	236	0.62	0.0	CLEAR	4.84	138	0.26	<0.02	67.5	0.09	3.20	**AB68515**

Notes: Appendix I taken for all wells sampled. West Pasco Class III included in resource recovery.

RESOURCE RECOVERY LEACHATE

2011 QUARTER III

TANK DATA			FIELD ANALYSIS					LAB ANALYSIS					ANALYST:WMM
TANK DATA	DATE (DD-MM)	SAMPLE TIME (24HR)	PH (STAND. UNITS)	TEMP. (°C)	COND. (mg/L)	D.O. (mg/L)	COLOR (OBS.)	BICARB (mg/L)	CL- (mg/L)	TDS (mg/L)	NH3-N (mg/L)	NO3-N (mg/L)	SAMPLE #
A1- PRIM	2-Aug	1030	7.45	28.48	3560	4.12	CLEAR	64.8	919	2618	0.04	3.92	AB67625
A1- SEC	2-Aug	1100	7.85	29.09	5610	4.42	CLEAR	144	1946	3768	<0.04	1.07	AB67626
SW1 PRIM	2-Aug	0930	7.26	27.24	5530	2.36	AMBER	2548	1055	2716	495	0.44	AB67627
SW1 SEC	2-Aug	1000	7.74	28.81	2450	1.76	YELLOW	864	293	1190	159	2.20	AB67628

TANK DATA	LAB ANALYSIS		
	FE- (mg/L)	HG (mg/L)	NA+ (mg/L)
A1- PRIM	13.5	0.19	329
A1- SEC	9.0	0.04	444
SW1 PRIM	3840	<0.03	519
SW1 SEC	16000	0.04	202

NOTES:A2-PRI, A2-SEC, SW2-PRI, SW2-SEC, A3-PRI, A3-SEC are dry.

SAMPLE DATE:	2-Aug	TOTAL HRS:	3	TOTAL MILEAGE:	24

PASCO COUNTY ENVIRONMENTAL LAB

FIELD PARAMETER DATA SHEET FOR LEACHATE SAMPLING

PROJECT/SURVEY	SAMPLER(S)	METER #
RESOURCE RECOVERY	WILFRED MARTFELD	3

TANK NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TANK DEPTH	SAMPLE DEPTH	PH	TEMP.	COND.	D.O.	TURB	COLOR	SHEENS
		UNIT	DD-MM	24hr	FEET	FEET	STD. UNITS	CELSIOUS	us/cm	MG/L	NTU	(OBS.)	(OBS.)
SW-1 PRIM.	LEACHATE TANKS		2-Aug	930	N/A	1	7.26	27.24	5530	2.36	43.2	AMBER	NONE

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	
SW-1 PRIM.	1	PE	250	NONE	NONE	N/A	BICARB,CL,TDS,COLOR.	7/11/11	04	B
SW-1 PRIM.	1	PE	250	H2SO4	1	<2	NH3,NO3	7/11/11	04	B
SW-1 PRIM.	1	PE	125	HNO3	10DROPS	<2	FE,HG.NA	6/27/11	03	B
SW-1 PRIM.	0	PE	250	HNO3	N/A	<2	APP.II (ICP METALS)			B
A-1 SEC.	0	PE	250	NaOH	N/A	>12	CYANIDE			B
SW-1 PRIM.	0	AG	250	H2SO4	N/A	<2	TR PHENOLS			B
SW-1 PRIM.	3	CG	40	HCL	N/A	<2	8260			B
SW-1 PRIM.	0	CG	40	HCL	N/A	<2	8260 w/ 601-602			B
SW-1 PRIM.	2	CG	40	NONE	N/A	N/A	8011			B
SW-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8081/8082			B
SW-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8151 Chlorinated herbicides			B
SW-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8141 Organophosphorus pesticides			B
SW-1 PRIM.	0	AG	1000	NONE	N/A	N/A	8270 Semivolatile organics			B

REMARKS:

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

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

NOTE: This sheet is used for recording Sample Data - Calibration Information must also be documented (see FT 1100, sec. 4)

SW1-PRI LEACHATE QIII 2011 11/23/2011

PASCO COUNTY ENVIRONMENTAL LAB

FIELD PARAMETER DATA SHEET FOR LEACHATE SAMPLING

PROJECT/SURVEY	SAMPLER(S)
RESOURCE RECOVERY	WILFRED MARTFELD

TANK NUMBER	STATION DESCRIPTION	PARAMETER	DATE	TIME	TANK DEPTH	SAMPLE DEPTH	PH	TEMP.	COND.	D.O.	TURB	COLOR
		UNIT	DAY-MONTH	24hr	FEET	FEET	STD. UNITS	CELSIOUS	us/cm	MG/L	NTU	(OBS.)
SW-1 SEC.	LEACHATE TANKS		08/02/11	1000	N/A	0.5	7.74	28.81	2450	1.76	43.4	YELLOW

SAMPLE CONTAINER SPECIFICATION					SAMPLE PRESERVATION		INTENDED ANALYSIS and/or METHOD	BOTTLE	
SAMPLE ID CODE:	# CONTAINERS	MATERIAL CODE	VOLUME (ML)	PRESERVATIVE USED	ml ADDED	FINAL PH		DATE	SERIES
SW-1 SEC.	1	PE	250	NONE	NONE	N/A	BICARB,CL,TDS	7/11/11	04
SW-1 SEC.	1	PE	250	H2SO4	1	<2	NH3,NO3	7/11/11	04
SW-1 SEC.	1	PE	125	HNO3	10DROPS	<2	FE,HG.NA	5/20/11	01
SW-1 SEC.	1	PE	250	HNO3	N/A	<2	APP.II (ICP METALS)		
SW-1 SEC.	0	PE	250	NaOH	N/A	>12	CYANIDE		
SW-1 SEC.	0	PE	1000	NaOH/ZnAcetate	N/A	<2	Sulfide		
SW-1 SEC.	3	CG	40	HCL	N/A	<2	8260		
SW-1 SEC.	0	AG	1000	NONE	N/A	<2	8082		
SW-1 SEC.	2	CG	40	NONE	N/A	N/A	8011		
SW-1 SEC.	0	AG	1000	NONE	N/A	N/A	8081		
SW-1 SEC.	0	AG	1000	NONE	N/A	N/A	8151 Chlorinated herbicides		
SW-1 SEC.	0	AG	1000	NONE	N/A	N/A	8141 Organophosphorus pesticides		
SW-1 SEC.	0	AG	1000	NONE	N/A	N/A	8270 Semivolatile organics		

REMARKS:

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

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

NOTE: This sheet is used for recording Sample Data - Calibration information must also be documented (see FT 1100, sec. 4)

SW1-SEC LEACHATE QIII 2011 11/23/2011

METER #
3
SHEENS
(OBS.)
NONE
EQUIP. CODE:
B
B
B
B
B
B
B
B
B
B
B
B

y Drain);**VT**=Vacuum

Pace Analytical®
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CHAIN-OF-CUSTODY / Analytical Request Document

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

3536638

Page: of

1439634

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Metals App I	6011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	2MW-24S @ Res. Rec.	OT	G	—	—	8/24/11	0946	—	6	X		X	X					1	2	3		23443
2	2MW-24D @ Res. Rec.			—	—	8/24/11	1046	—	6	X		X	X					1	2	3		23444
3	2MW-25D @ Res. Rec.			—	—	8/24/11	1215	—	6	X		X	X					1	2	3		23446
4	2MW-26D @ Res. Rec.			—	—	8/24/11	1312	—	6	X		X	X					1	2	3		23448
5	2MW-15DA @ Res. Rec.	OT	G	—	—	8/24/11	1434	—	6	X		X	X					1	2	3		19766
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Sent to PACE Lab 8/25/11

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SAMPLING KIT-EMPTY		11/12	1010		8/24/11	0900	
		8/24/11	1540		8/24/11	15:40	
		8/25/11	1530	DAK	8-25-11	1530	
	BSC	8-26-11	2200		8-29-11	7:41	.1

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: Wilfred M

DATE Signed (MM/DD/YY): 08/24/11

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

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CHAIN-OF-CUSTODY / Analytical Request Document

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

3536499

Page: of

1419957

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8869 Government Dr.
New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Metals App I	8011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-1 @ Res. Rec.	OT	G	—	—	8/23/11	1119		6	X		X	X					1	1	3		
2	4MW-21 @ Res. Rec.	OT	G	—	—	8/23/11	1227		6	X		X	X					1	2	3		
3	4MW-22 @ Res. Rec.	OT	G	—	—	8/23/11	1517		6	X		X	X					1	2	3		
4																						Sent to PACE Lab 8/24/11
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Empty containers	[signature] BSC	8-23-11	1600	[signature]	8/23/11	0700
	[signature]	8/23/11	1600	[signature]	8/23/11	16:00
	[signature]	8/24/11	1520	[signature] BSC	8-24-11	1520
	BSC	8-25-11	2200	[signature]	8/26/11	7:00

SAMPLE CONDITIONS: Temp in °C: 6.6; Received on Ice (Y/N): Y; Custody Sealed Cooler (Y/N): ; Samples Intact (Y/N):

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/23/11

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

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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3536434

Page: of

1419949

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8854 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) Metals App I	Soil	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-27D @ Res. Rec.	OT	G	—	—	8/22/11	1205		6	X		X	X					1	1	3		23452
2	4MW-27 @ Res. Rec.	OT	G	—	—	8/22/11	1414		6	X		X	X					1	2	3		23451
3	2MW-27D @ Res. Rec.	OT	G	—	—	8/22/11	1514		6	X		X	X					1	2	3		23450
4																						Sent to PACE Lab 8/23/11
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Empty containers	Pace	8-10-11	1000		8/22/11	0700				
		8/22/11	1545		8/22/11	15:45				
		8/23/11	1530	Pace	8-23-11	1730	3.0	Y	N	Y
	BSC	8-24-11	2200		8/25/11	6:30	0.1	Y		

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: Wilfred Martfeld

DATE Signed (MM/DD/YY): 08/22/11

F-ALL-Q-020rev.07, 15-May-2007

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

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3534884

Page: of

1419891

Section A Required Client Information:

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

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): App. I Metals 8260	8011	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1 PRE	O	G	—	—	8/2/11	0930		6	X		X	X					1	2		
2	SW-1 SEC	O	G	—	—	8/2/11	1000		6	X		X	X					1	2		
3	A-1 PRI	O	G	—	—	8/2/11	1030		6	X		X	X					1	2		
4	A-1 SEC	O	G	—	—	8/2/11	1100		6	X		X	X					1	2		Sent to PACE Lab 8/3/11
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
Empty containers	[signature] Pace	7-21-11	1600	[signature]	7-21-11	1600				
	[signature]	8/2/11	1500	[signature]	8/2/11	15:00				
	[signature]	8/3/11	1520	[signature] PACE	8/3/11	1530				
	BSC	8-3-11	2200	[signature]	8/5/11	6:30	2.0	Y		
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/02/11

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

3536360

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: of

1439635

Section A Required Client Information:

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

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N) App. I Metals 8011	Analysis Test (Y/N) App. I Metals 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-9 @ Res. Rec.	OT	G	—	—	8/18/11	1130		6	X		X	X					1	3		
2	4MW-8 @ Res. Rec.	OT	G	—	—	8/18/11	1227		6	X		X	X					1	3		
3	4MW-7 @ Res. Rec.	OT	G	—	—	8/18/11	1347		6	X		X	X					1	3		
4	4MW-3A @ Res. Rec.	OT	G	—	—	8/18/11	1509		6	X		X	X					1	3		
5																					Sent to PACE Lab 8/22/11
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
SAMPLING KIT-EMPTY	[illegible]	11/12	1700	[illegible]	8/18/11	0700
	W. Martfeld	8/18/11	1540	amc	8/18/11	15:40
	[illegible]	8/22/11	1500	[illegible] PAC	8-22-11	1500
	BSC	8/23/11	2200	Paula Lipfert Cook	8-24-11	8:00

SAMPLE CONDITIONS	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	1.1	X		

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/18/11

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

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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3535569

Page: of

1439636

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

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

Site Location STATE: ____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	COLLECTED Composite Start Time	COLLECTED Composite End/Grab Date	COLLECTED Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: App. I metals	Soil	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-12D @ Res. Rec.	OT	G	—	—	8/17/11	1142		6	X		X	X					1	1	3		10
2	4MW-13D @ Res. Rec.	OT	G	—	—	8/17/11	1322		6	X		X	X					1	2	3		11
3	4MW-14D @ Res. Rec.	OT	G	—	—	8/17/11	1541		6	X		X	X					1	2	3		12
4																						Sent to PACE Lab 8/18/11
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
SAMPLING EMPTY	[signature]	11/12	1210	[signature]	8/17/11	0200				
	[signature]	8/17/11	1555	IF	8/17/11	1555				
	[signature]	8/18/11	1515	[signature]	8-18-11	1515	5.0	Y	N	Y
	BSC	8-9-11	2200	Paula Lightfoot	8-9-11	9:30	-0.7	X		

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/17/11

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

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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35 35569

Page: of

1439558

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/GRAB DATE	COLLECTED Composite End/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: 8011	8260	App I metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	2MW-17S @ Res. Rec.	OT	G	—	—	8/16/11	1009		6	X		X	X					2	3	1		
2	2MW-18D @ Res. Rec.	OT	G	—	—	8/16/11	1206		6	X		X	X					2	3	1		
3	4MW-11D @ Res. Rec.	OT	G	—	—	8/16/11	1346		6	X		X	X					2	3	1		
4																						
5																						Sent to PACE Lab 8/18/11
6																						
7																						
8																						
9																						
10																						
11																						
12																						

7 of 9

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
SAMPLING KIT EMPTY	[signature]	11/10	10:00	[signature]	8/16/11	0700				
	[signature]	8/16/11	1600	[signature]	8/16/11	1600				
	[signature]	8/18/11	1515	[signature]	8-18-11	1515	5.0	Y	N	Y
	BSC	8-19-11	22	Paula Lightfoot	8-20-11	9:30	-0.7	Y		

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/16/11

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

F-ALL-Q-020rev.07, 15-May-2007

3535569

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CHAIN-OF-CUSTODY / Analytical Request Document

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Page: of

1439559

Section A Required Client Information:

Company: Pasco County Env. Lab.
Address: 8864 Government Dr.
New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/GRAB DATE	COLLECTED Composite End/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): App I Metals	8011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-2 @ Res. Rec.	OT	G	—	—	8/11/11	1042		6	X		X	X					1	2	3		
2	2MW-2 @ Res. Rec.	OT	G	—	—	8/11/11	1214		6	X		X	X					1	2	3		
3	4MW-5 @ Res. Rec.	OT	G	—	—	8/11/11	1516		6	X		X	X					1	2	3		
4																						Sent to PACE Lab 8/15/11
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
SAMPLING KIT-EMPTY	[signature]	8/10	10:00	[signature]	8/11/11	0700				
	[signature]	8/11/11	1550	[signature]	8/11/11	15:50				
	[signature]	8/15/11	1545	[signature]	8/15/11	1545				
	[signature]	8/16/11	2200	[signature]	8/17/11	0:30	0.3	Y		
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Mortfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/11/11

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

F-ALL-Q-020rev.07, 15-May-2007

3535569

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Page: of

1419816

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start DATE	COLLECTED Composite Start TIME	COLLECTED Composite End/Grab DATE	COLLECTED Composite End/Grab TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Agn. & Metals	8011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-4 @ Res. Rec.	OT	G	—	—	8/10/11	1047		6	X		X	X					1	1	3		
2	2MW-19D @ Res. Rec.	OT	G	—	—	8/10/11	1240		6	X		X	X					1	2	3		
3	4MW-6 @ Res. Rec	OT	G	—	—	8/10/11	1517		6	X		X	X					1	2	3		
4																						
5																						Sent to
6																						PACE Lab
7																						8/11/11
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	[signature]	8/10/11	1600	[signature]	08/10/11	1600				
	[signature]	8/11/11	1500	[signature] Pace	8-11-11	1500	3.1	Y	N	Y
	BSI	8-12-11	2400	[signature]	8/12/11	0900	-15	Y		Y

ORIGINAL

SAMPLER NAME AND SIGNATURE 173

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/10/11

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

F-ALL-Q-020rev.07, 15-May-2007

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

August 22, 2011

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

RE: Project: Resource Recovery Leachate
Pace Project No.: 3534884

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on August 05, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Sakina Mckenzie

sakina.mckenzie@pacelabs.com
Project Manager

Enclosures

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without the written consent of Pace Analytical Services, Inc..

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

CERTIFICATIONS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

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

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3534884001	**SW-1 PRI**	Water	08/02/11 09:30	08/05/11 06:30
3534884002	**SW-1 SEC**	Water	08/02/11 10:00	08/05/11 06:30
3534884003	**A-1 PRI**	Water	08/02/11 10:30	08/05/11 06:30
3534884004	**A-1 SEC**	Water	08/02/11 11:00	08/05/11 06:30

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SAMPLE ANALYTE COUNT

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3534884001	**SW-1 PRI**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3534884002	**SW-1 SEC**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3534884003	**A-1 PRI**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3534884004	**A-1 SEC**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O

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ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: SW-1 PRI **Lab ID: 3534884001** Collected: 08/02/11 09:30 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.019	0.0048	1	08/10/11 09:30	08/11/11 03:56	96-12-8	L3
1,2-Dibromoethane (EDB)	**0.0060U**	ug/L	0.0097	0.0060	1	08/10/11 09:30	08/11/11 03:56	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**8.3 I**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:47	7440-38-2	
Barium	**59.6**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:47	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 18:47	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 18:47	7440-43-9	
Chromium	**12.9**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:47	7440-47-3	
Cobalt	**17.1**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:47	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:47	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:47	7439-92-1	
Nickel	**49.1**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:47	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/09/11 07:30	08/15/11 18:47	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:47	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:47	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/09/11 07:30	08/15/11 18:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.58 I**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:10	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:10	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**41.6**	ug/L	10.0	5.0	1		08/10/11 18:47	67-64-1	J(L1),V
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:47	107-13-1	L3
Benzene	**2.6**	ug/L	1.0	0.50	1		08/10/11 18:47	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/10/11 18:47	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:47	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:47	75-15-0	
Carbon tetrachloride	**1.8**	ug/L	1.0	0.50	1		08/10/11 18:47	56-23-5	
Chlorobenzene	**3.0**	ug/L	1.0	0.50	1		08/10/11 18:47	108-90-7	
Chloroethane	**0.51 I**	ug/L	1.0	0.50	1		08/10/11 18:47	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/10/11 18:47	74-87-3	
Dibromochloromethane	**0.79**	ug/L	0.50	0.26	1		08/10/11 18:47	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	74-95-3	
1,2-Dichlorobenzene	**0.76 I**	ug/L	1.0	0.50	1		08/10/11 18:47	95-50-1	
1,4-Dichlorobenzene	**2.9**	ug/L	1.0	0.50	1		08/10/11 18:47	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:47	110-57-6	
1,1-Dichloroethane	**3.3**	ug/L	1.0	0.50	1		08/10/11 18:47	75-34-3	
1,2-Dichloroethane	**1.1**	ug/L	1.0	0.50	1		08/10/11 18:47	107-06-2	
1,1-Dichloroethene	**0.75 I**	ug/L	1.0	0.50	1		08/10/11 18:47	75-35-4	
cis-1,2-Dichloroethene	**1.5**	ug/L	1.0	0.50	1		08/10/11 18:47	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: SW-1 PRI **Lab ID: 3534884001** Collected: 08/02/11 09:30 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	78-87-5	
cis-1,3-Dichloropropene	**0.30 I**	ug/L	0.50	0.25	1		08/10/11 18:47	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/10/11 18:47	10061-02-6	
Ethylbenzene	**1.1**	ug/L	1.0	0.50	1		08/10/11 18:47	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:47	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/10/11 18:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:47	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/10/11 18:47	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	127-18-4	
Toluene	**1.9**	ug/L	1.0	0.50	1		08/10/11 18:47	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:47	71-55-6	
1,1,2-Trichloroethane	**0.88 I**	ug/L	1.0	0.50	1		08/10/11 18:47	79-00-5	
Trichloroethene	**0.56 I**	ug/L	1.0	0.50	1		08/10/11 18:47	79-01-6	
Trichlorofluoromethane	**0.73 I**	ug/L	1.0	0.50	1		08/10/11 18:47	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/10/11 18:47	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/10/11 18:47	108-05-4	
Vinyl chloride	**0.89 I**	ug/L	1.0	0.50	1		08/10/11 18:47	75-01-4	
Xylene (Total)	**4.0**	ug/L	1.0	0.50	1		08/10/11 18:47	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-114		1		08/10/11 18:47	460-00-4	
Dibromofluoromethane (S)	102	%	88-117		1		08/10/11 18:47	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	86-125		1		08/10/11 18:47	17060-07-0	
Toluene-d8 (S)	95	%	87-113		1		08/10/11 18:47	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: SW-1 SEC **Lab ID: 3534884002** Collected: 08/02/11 10:00 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/10/11 09:30	08/11/11 04:10	96-12-8	L3
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.0099	0.0062	1	08/10/11 09:30	08/11/11 04:10	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**8.0 I**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:50	7440-38-2	
Barium	**44.1**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:50	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 18:50	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 18:50	7440-43-9	
Chromium	**8.6**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:50	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:50	7440-48-4	
Copper	**2.7 I**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:50	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:50	7439-92-1	
Nickel	**9.0**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:50	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/09/11 07:30	08/15/11 18:50	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 18:50	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 18:50	7440-62-2	
Zinc	**12.1 I**	ug/L	20.0	10.0	1	08/09/11 07:30	08/15/11 18:50	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.97 I**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:13	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:13	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**8.4 I**	ug/L	10.0	5.0	1		08/10/11 18:23	67-64-1	J(L1),V
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:23	107-13-1	L3
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/10/11 18:23	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:23	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:23	75-15-0	
Carbon tetrachloride	**1.6**	ug/L	1.0	0.50	1		08/10/11 18:23	56-23-5	
Chlorobenzene	**1.7**	ug/L	1.0	0.50	1		08/10/11 18:23	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/10/11 18:23	74-87-3	
Dibromochloromethane	**0.54**	ug/L	0.50	0.26	1		08/10/11 18:23	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	74-95-3	
1,2-Dichlorobenzene	**1.0**	ug/L	1.0	0.50	1		08/10/11 18:23	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:23	110-57-6	
1,1-Dichloroethane	**2.0**	ug/L	1.0	0.50	1		08/10/11 18:23	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	107-06-2	
1,1-Dichloroethene	**0.73 I**	ug/L	1.0	0.50	1		08/10/11 18:23	75-35-4	
cis-1,2-Dichloroethene	**0.58 I**	ug/L	1.0	0.50	1		08/10/11 18:23	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: SW-1 SEC **Lab ID: 3534884002** Collected: 08/02/11 10:00 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	78-87-5	
cis-1,3-Dichloropropene	**0.33 I**	ug/L	0.50	0.25	1		08/10/11 18:23	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/10/11 18:23	10061-02-6	
Ethylbenzene	**0.85 I**	ug/L	1.0	0.50	1		08/10/11 18:23	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:23	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/10/11 18:23	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 18:23	108-10-1	
Styrene	**0.68 I**	ug/L	1.0	0.50	1		08/10/11 18:23	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/10/11 18:23	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	127-18-4	
Toluene	**1.7**	ug/L	1.0	0.50	1		08/10/11 18:23	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	79-00-5	
Trichloroethene	**0.67 I**	ug/L	1.0	0.50	1		08/10/11 18:23	79-01-6	
Trichlorofluoromethane	**0.72 I**	ug/L	1.0	0.50	1		08/10/11 18:23	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/10/11 18:23	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/10/11 18:23	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/10/11 18:23	75-01-4	
Xylene (Total)	**1.9**	ug/L	1.0	0.50	1		08/10/11 18:23	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-114		1		08/10/11 18:23	460-00-4	
Dibromofluoromethane (S)	96	%	88-117		1		08/10/11 18:23	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	86-125		1		08/10/11 18:23	17060-07-0	
Toluene-d8 (S)	96	%	87-113		1		08/10/11 18:23	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: A-1 PRI **Lab ID: 3534884003** Collected: 08/02/11 10:30 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0047U**	ug/L	0.019	0.0047	1	08/10/11 09:30	08/11/11 04:25	96-12-8	L3
1,2-Dibromoethane (EDB)	**0.0059U**	ug/L	0.0096	0.0059	1	08/10/11 09:30	08/11/11 04:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:00	7440-38-2	
Barium	**97.8**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:00	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 19:00	7440-41-7	
Cadmium	**1.7**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 19:00	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:00	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:00	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:00	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:00	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:00	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/09/11 07:30	08/15/11 19:00	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:00	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:00	7440-62-2	
Zinc	**11.2 I**	ug/L	20.0	10.0	1	08/09/11 07:30	08/15/11 19:00	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**30.4**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:16	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:16	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:11	67-64-1	L3
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:11	107-13-1	L3
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/10/11 13:11	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:11	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:11	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/10/11 13:11	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/10/11 13:11	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:11	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	156-59-2	

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

ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: A-1 PRI **Lab ID: 3534884003** Collected: 08/02/11 10:30 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/10/11 13:11	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/10/11 13:11	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:11	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/10/11 13:11	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:11	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/10/11 13:11	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/10/11 13:11	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/10/11 13:11	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:11	1330-20-7	
4-Bromofluorobenzene (S)	96	%	70-114		1		08/10/11 13:11	460-00-4	
Dibromofluoromethane (S)	108	%	88-117		1		08/10/11 13:11	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	86-125		1		08/10/11 13:11	17060-07-0	
Toluene-d8 (S)	91	%	87-113		1		08/10/11 13:11	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: A-1 SEC **Lab ID: 3534884004** Collected: 08/02/11 11:00 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.019	0.0048	1	08/10/11 09:30	08/11/11 04:39	96-12-8	L3
1,2-Dibromoethane (EDB)	**0.0060U**	ug/L	0.0097	0.0060	1	08/10/11 09:30	08/11/11 04:39	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:04	7440-38-2	
Barium	**129**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:04	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 19:04	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/15/11 19:04	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:04	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:04	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:04	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:04	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:04	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/09/11 07:30	08/15/11 19:04	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/09/11 07:30	08/15/11 19:04	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/09/11 07:30	08/15/11 19:04	7440-62-2	
Zinc	**23.2**	ug/L	20.0	10.0	1	08/09/11 07:30	08/15/11 19:04	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**4.0**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:19	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/09/11 07:30	08/10/11 19:19	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:59	67-64-1	L3
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:59	107-13-1	L3
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/10/11 13:59	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:59	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:59	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/10/11 13:59	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/10/11 13:59	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:59	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Sample: A-1 SEC **Lab ID: 3534884004** Collected: 08/02/11 11:00 Received: 08/05/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/10/11 13:59	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/10/11 13:59	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:59	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/10/11 13:59	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/10/11 13:59	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/10/11 13:59	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/10/11 13:59	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/10/11 13:59	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/10/11 13:59	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-114		1		08/10/11 13:59	460-00-4	
Dibromofluoromethane (S)	107	%	88-117		1		08/10/11 13:59	1868-53-7	
1,2-Dichloroethane-d4 (S)	108	%	86-125		1		08/10/11 13:59	17060-07-0	
Toluene-d8 (S)	97	%	87-113		1		08/10/11 13:59	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

QC Batch: OEXT/5374 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

METHOD BLANK: 234727 | Matrix: Water
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	08/11/11 00:47	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	08/11/11 00:47	

LABORATORY CONTROL SAMPLE: 234728

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.37	146	60-140	J(L0)
1,2-Dibromoethane (EDB)	ug/L	.25	0.32	130	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 234729 234730

Parameter	Units	3534928001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047 U	.44	.44	0.45	0.49	103	112	60-140	8	40	
1,2-Dibromoethane (EDB)	ug/L	0.0060 U	.44	.44	0.50	0.54	113	124	60-140	9	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

QC Batch: MPRP/5350 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

METHOD BLANK: 234036 | Matrix: Water
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/15/11 18:06	
Barium	ug/L	5.0U	10.0	08/15/11 18:06	
Beryllium	ug/L	0.50U	1.0	08/15/11 18:06	
Cadmium	ug/L	0.50U	1.0	08/15/11 18:06	
Chromium	ug/L	2.5U	5.0	08/15/11 18:06	
Cobalt	ug/L	5.0U	10.0	08/15/11 18:06	
Copper	ug/L	2.5U	5.0	08/15/11 18:06	
Lead	ug/L	5.0U	10.0	08/15/11 18:06	
Nickel	ug/L	2.5U	5.0	08/15/11 18:06	
Selenium	ug/L	7.5U	15.0	08/15/11 18:06	
Silver	ug/L	2.5U	5.0	08/15/11 18:06	
Vanadium	ug/L	5.0U	10.0	08/15/11 18:06	
Zinc	ug/L	10.0U	20.0	08/15/11 18:06	

LABORATORY CONTROL SAMPLE: 234037

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	243	97	80-120	
Barium	ug/L	250	259	103	80-120	
Beryllium	ug/L	25	25.4	102	80-120	
Cadmium	ug/L	25	25.6	102	80-120	
Chromium	ug/L	250	257	103	80-120	
Cobalt	ug/L	250	264	105	80-120	
Copper	ug/L	250	257	103	80-120	
Lead	ug/L	250	246	98	80-120	
Nickel	ug/L	250	261	104	80-120	
Selenium	ug/L	250	253	101	80-120	
Silver	ug/L	25	24.6	99	80-120	
Vanadium	ug/L	250	255	102	80-120	
Zinc	ug/L	1250	1260	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 234038 234039

Parameter	Units	3535026003 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	254	100	100	75-125	.3	20	
Barium	ug/L	27.6	250	250	282	285	102	103	75-125	1	20	
Beryllium	ug/L	0.50U	25	25	25.0	25.2	100	101	75-125	1	20	
Cadmium	ug/L	0.50U	25	25	24.8	25.0	99	100	75-125	.6	20	
Chromium	ug/L	2.5U	250	250	252	255	101	102	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 234038 234039

Parameter	Units	3535026003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	257	258	103	103	75-125	.5	20	
Copper	ug/L	2.5U	250	250	252	256	100	102	75-125	1	20	
Lead	ug/L	5.0U	250	250	252	253	100	101	75-125	.5	20	
Nickel	ug/L	2.5U	250	250	252	254	101	101	75-125	.6	20	
Selenium	ug/L	7.5U	250	250	255	254	102	101	75-125	.6	20	
Silver	ug/L	2.5U	25	25	24.7	24.9	99	99	75-125	.6	20	
Vanadium	ug/L	5.0U	250	250	255	256	101	102	75-125	.6	20	
Zinc	ug/L	10.0U	1250	1250	1260	1270	101	101	75-125	.6	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

QC Batch: MPRP/5349 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

METHOD BLANK: 234032 Matrix: Water
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	08/10/11 18:23	
Thallium	ug/L	0.50U	1.0	08/10/11 18:23	

LABORATORY CONTROL SAMPLE: 234033

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.0	96	90-110	
Thallium	ug/L	50	49.4	99	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 234034 234035

Parameter	Units	3535026002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	49.4	48.8	98	97	70-130	1	20	
Thallium	ug/L	0.50U	50	50	50.8	50.6	102	101	70-130	.3	20	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

QC Batch: MSV/3435 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

METHOD BLANK: 234984 Matrix: Water
Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/10/11 09:27	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/10/11 09:27	
1,1,2,2-Tetrachloroethane	ug/L	0.23U	0.50	08/10/11 09:27	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/10/11 09:27	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/10/11 09:27	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/10/11 09:27	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/10/11 09:27	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/10/11 09:27	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/10/11 09:27	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/10/11 09:27	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/10/11 09:27	
2-Butanone (MEK)	ug/L	7.6 I	10.0	08/10/11 09:27	
2-Hexanone	ug/L	5.0U	10.0	08/10/11 09:27	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/10/11 09:27	
Acetone	ug/L	7.2 I	10.0	08/10/11 09:27	
Acrylonitrile	ug/L	5.0U	10.0	08/10/11 09:27	
Benzene	ug/L	0.50U	1.0	08/10/11 09:27	
Bromochloromethane	ug/L	0.50U	1.0	08/10/11 09:27	
Bromodichloromethane	ug/L	0.27U	0.60	08/10/11 09:27	
Bromoform	ug/L	0.50U	1.0	08/10/11 09:27	
Bromomethane	ug/L	0.50U	1.0	08/10/11 09:27	
Carbon disulfide	ug/L	5.0U	10.0	08/10/11 09:27	
Carbon tetrachloride	ug/L	0.50U	1.0	08/10/11 09:27	
Chlorobenzene	ug/L	0.50U	1.0	08/10/11 09:27	
Chloroethane	ug/L	0.50U	1.0	08/10/11 09:27	
Chloroform	ug/L	0.50U	1.0	08/10/11 09:27	
Chloromethane	ug/L	0.62U	1.0	08/10/11 09:27	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/10/11 09:27	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/10/11 09:27	
Dibromochloromethane	ug/L	0.26U	0.50	08/10/11 09:27	
Dibromomethane	ug/L	0.50U	1.0	08/10/11 09:27	
Ethylbenzene	ug/L	0.50U	1.0	08/10/11 09:27	
Iodomethane	ug/L	0.50U	1.0	08/10/11 09:27	
Methylene Chloride	ug/L	2.5U	5.0	08/10/11 09:27	
Styrene	ug/L	0.50U	1.0	08/10/11 09:27	
Tetrachloroethene	ug/L	0.50U	1.0	08/10/11 09:27	
Toluene	ug/L	0.50U	1.0	08/10/11 09:27	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/10/11 09:27	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/10/11 09:27	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/10/11 09:27	
Trichloroethene	ug/L	0.50U	1.0	08/10/11 09:27	
Trichlorofluoromethane	ug/L	0.50U	1.0	08/10/11 09:27	
Vinyl acetate	ug/L	1.0U	2.0	08/10/11 09:27	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

METHOD BLANK: 234984 Matrix: Water

Associated Lab Samples: 3534884001, 3534884002, 3534884003, 3534884004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	08/10/11 09:27	
Xylene (Total)	ug/L	0.50U	1.0	08/10/11 09:27	
1,2-Dichloroethane-d4 (S)	%	107	86-125	08/10/11 09:27	
4-Bromofluorobenzene (S)	%	95	70-114	08/10/11 09:27	
Dibromofluoromethane (S)	%	106	88-117	08/10/11 09:27	
Toluene-d8 (S)	%	102	87-113	08/10/11 09:27	

LABORATORY CONTROL SAMPLE: 234985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	96	80-123	
1,1,1-Trichloroethane	ug/L	20	18.4	92	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	17.9	89	72-127	
1,1,2-Trichloroethane	ug/L	20	19.5	97	80-121	
1,1-Dichloroethane	ug/L	20	21.1	106	80-122	
1,1-Dichloroethene	ug/L	20	20.9	105	74-114	
1,2,3-Trichloropropane	ug/L	20	19.1	95	73-123	
1,2-Dichlorobenzene	ug/L	20	18.9	94	80-120	
1,2-Dichloroethane	ug/L	20	18.8	94	80-120	
1,2-Dichloropropane	ug/L	20	18.4	92	80-120	
1,4-Dichlorobenzene	ug/L	20	19.2	96	83-120	
2-Butanone (MEK)	ug/L	20	28.3	142	55-167	
2-Hexanone	ug/L	20	17.6	88	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	18.8	94	75-122	
Acetone	ug/L	20	34.4	172	40-150	J(L0)
Acrylonitrile	ug/L	200	262	131	77-128	J(L0)
Benzene	ug/L	20	18.7	94	80-123	
Bromochloromethane	ug/L	20	19.3	97	80-120	
Bromodichloromethane	ug/L	20	18.1	91	80-123	
Bromoform	ug/L	20	18.0	90	68-121	
Bromomethane	ug/L	20	21.0	105	38-179	
Carbon disulfide	ug/L	20	20.0	100	51-155	
Carbon tetrachloride	ug/L	20	18.1	90	79-122	
Chlorobenzene	ug/L	20	19.1	95	80-120	
Chloroethane	ug/L	20	23.1	115	59-149	
Chloroform	ug/L	20	19.8	99	79-120	
Chloromethane	ug/L	20	21.3	106	68-140	
cis-1,2-Dichloroethene	ug/L	20	20.9	105	80-120	
cis-1,3-Dichloropropene	ug/L	20	18.1	90	80-126	
Dibromochloromethane	ug/L	20	19.0	95	76-122	
Dibromomethane	ug/L	20	18.9	94	81-122	
Ethylbenzene	ug/L	20	18.9	94	80-120	
Iodomethane	ug/L	20	21.4	107	43-160	
Methylene Chloride	ug/L	20	20.8	104	75-127	
Styrene	ug/L	20	19.6	98	80-122	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

LABORATORY CONTROL SAMPLE: 234985

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	18.5	92	66-133	
Toluene	ug/L	20	18.3	91	80-117	
trans-1,2-Dichloroethene	ug/L	20	21.8	109	80-122	
trans-1,3-Dichloropropene	ug/L	20	18.2	91	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	19.0	95	65-125	
Trichloroethene	ug/L	20	18.5	93	80-120	
Trichlorofluoromethane	ug/L	20	21.9	110	72-131	
Vinyl acetate	ug/L	20	22.3	112	69-135	
Vinyl chloride	ug/L	20	22.2	111	69-140	
Xylene (Total)	ug/L	60	57.1	95	80-120	
1,2-Dichloroethane-d4 (S)	%			102	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Dibromofluoromethane (S)	%			106	88-117	
Toluene-d8 (S)	%			98	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 234986 234987

Parameter	Units	3535178001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	2.1	20	20	18.9	21.5	84	97	39-130	13	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	20.1	22.8	100	114	47-141	13	40	
1,1,2,2-Tetrachloroethane	ug/L	0.23U	20	20	18.6	19.7	93	99	49-131	6	40	
1,1,2-Trichloroethane	ug/L	1.8	20	20	20.7	21.8	95	100	50-130	5	40	
1,1-Dichloroethane	ug/L	6.5	20	20	20.7	21.8	71	77	54-137	5	40	
1,1-Dichloroethene	ug/L	2.9	20	20	18.8	24.5	79	108	45-155	26	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	19.0	19.8	95	99	31-132	4	40	
1,2-Dichlorobenzene	ug/L	3.4	20	20	16.6	20.5	66	86	43-130	21	40	
1,2-Dichloroethane	ug/L	3.7	20	20	20.3	21.0	83	86	54-130	3	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	19.8	21.0	99	105	53-130	6	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	15.1	20.6	76	103	38-130	31	40	
2-Butanone (MEK)	ug/L	5.0U	20	20	18.5	16.1	92	80	48-138	14	40	
2-Hexanone	ug/L	5.0U	20	20	17.9	16.9	90	85	38-130	6	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	20.5	20.0	103	100	28-143	3	40	
Acetone	ug/L	10.8	20	20	19.0	17.6	41	34	20-140	7	40	
Acrylonitrile	ug/L	5.0U	200	200	232	200	116	100	46-130	15	40	
Benzene	ug/L	0.50U	20	20	20.0	22.4	100	112	53-132	12	40	
Bromochloromethane	ug/L	0.50U	20	20	20.7	21.5	104	107	54-132	4	40	
Bromodichloromethane	ug/L	0.27U	20	20	18.0	19.9	90	100	46-130	10	40	
Bromoform	ug/L	0.50U	20	20	17.2	18.9	86	95	32-130	10	40	
Bromomethane	ug/L	3.2	20	20	19.2	21.6	80	92	20-152	12	40	
Carbon disulfide	ug/L	5.0U	20	20	17.5	20.4	87	102	28-184	16	40	
Carbon tetrachloride	ug/L	3.3	20	20	17.5	20.6	71	86	37-137	16	40	
Chlorobenzene	ug/L	5.4	20	20	17.8	22.0	62	83	46-130	21	40	
Chloroethane	ug/L	0.76 I	20	20	22.4	23.8	108	115	48-159	6	40	
Chloroform	ug/L	0.50U	20	20	21.1	22.0	105	110	51-130	4	40	
Chloromethane	ug/L	0.85 I	20	20	18.0	18.8	86	90	39-144	4	40	
cis-1,2-Dichloroethene	ug/L	3.0	20	20	21.5	24.8	92	109	54-130	14	40	

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QUALITY CONTROL DATA

Project: Resource Recovery Leachate
Pace Project No.: 3534884

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 234986 234987

Parameter	Units	3535178001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.84	20	20	17.3	19.0	83	91	45-130	9	40	
Dibromochloromethane	ug/L	0.26U	20	20	19.3	21.0	96	105	43-130	9	40	
Dibromomethane	ug/L	0.50U	20	20	19.3	21.1	97	105	50-130	9	40	
Ethylbenzene	ug/L	3.2	20	20	16.5	21.3	67	90	43-130	25	40	
Iodomethane	ug/L	0.50U	20	20	21.6	22.8	108	114	20-169	6	40	
Methylene Chloride	ug/L	2.5U	20	20	19.2	21.7	87	100	51-135	12	40	
Styrene	ug/L	2.4	20	20	17.8	22.1	77	98	40-130	22	40	
Tetrachloroethene	ug/L	0.50U	20	20	12.8	20.0	64	100	26-130	44	40	J(D6)
Toluene	ug/L	6.5	20	20	17.1	20.7	53	71	50-130	19	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	19.3	23.6	97	118	48-142	20	40	
trans-1,3-Dichloropropene	ug/L	1.9	20	20	17.3	19.1	77	86	45-130	10	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	16.5	16.1	83	81	20-139	2	40	
Trichloroethene	ug/L	2.5	20	20	16.9	20.9	72	92	42-133	22	40	
Trichlorofluoromethane	ug/L	2.8	20	20	18.4	22.5	78	99	46-146	20	40	
Vinyl acetate	ug/L	1.0U	20	20	6.1	6.9	31	35	20-165	12	40	
Vinyl chloride	ug/L	0.97 I	20	20	21.0	23.4	100	112	57-142	11	40	
Xylene (Total)	ug/L	6.4	60	60	49.0	64.8	71	97	42-130	28	40	
1,2-Dichloroethane-d4 (S)	%						98	99	86-125			
4-Bromofluorobenzene (S)	%						99	101	70-114			
Dibromofluoromethane (S)	%						107	105	88-117			
Toluene-d8 (S)	%						97	94	87-113			

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QUALIFIERS

Project: Resource Recovery Leachate
Pace Project No.: 3534884

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L1)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
V	Indicates that the analyte was detected in both the sample and the associated method blank.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery Leachate
Pace Project No.: 3534884

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3534884001	**SW-1 PRI**	EPA 8011	OEXT/5374	EPA 8011	GCSV/4040
3534884002	**SW-1 SEC**	EPA 8011	OEXT/5374	EPA 8011	GCSV/4040
3534884003	**A-1 PRI**	EPA 8011	OEXT/5374	EPA 8011	GCSV/4040
3534884004	**A-1 SEC**	EPA 8011	OEXT/5374	EPA 8011	GCSV/4040
3534884001	**SW-1 PRI**	EPA 3010	MPRP/5350	EPA 6010	ICP/3776
3534884002	**SW-1 SEC**	EPA 3010	MPRP/5350	EPA 6010	ICP/3776
3534884003	**A-1 PRI**	EPA 3010	MPRP/5350	EPA 6010	ICP/3776
3534884004	**A-1 SEC**	EPA 3010	MPRP/5350	EPA 6010	ICP/3776
3534884001	**SW-1 PRI**	EPA 3010	MPRP/5349	EPA 6020	ICPM/2490
3534884002	**SW-1 SEC**	EPA 3010	MPRP/5349	EPA 6020	ICPM/2490
3534884003	**A-1 PRI**	EPA 3010	MPRP/5349	EPA 6020	ICPM/2490
3534884004	**A-1 SEC**	EPA 3010	MPRP/5349	EPA 6020	ICPM/2490
3534884001	**SW-1 PRI**	EPA 8260	MSV/3435		
3534884002	**SW-1 SEC**	EPA 8260	MSV/3435		
3534884003	**A-1 PRI**	EPA 8260	MSV/3435		
3534884004	**A-1 SEC**	EPA 8260	MSV/3435		

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3534884

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1419891

Section A
Required Client Information:

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

Section B
Required Project Information:

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

Section C
Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE:

Section D
Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	App. I Metals	8260	8011	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	SW-1 PRE	O	G	—	—	8/2/11	0930		6	X		X	X						1	3	2		
2	SW-1 SEC	O	G	—	—	8/2/11	1000		6	X		X	X						1	3	2		
3	A-1 PRI	O	G	—	—	8/2/11	1030		6	X		X	X						1	3	2		
4	A-1 SEC	O	G	—	—	8/2/11	1100		6	X		X	X						1	3	2		Sent to PACE Lab 8/3/11
5																							
6																							
7																							
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
Empty Containers	[illegible] Pace	7-21-11	1600	[illegible]	7-21-11	1600
	[illegible]	8/2/11	1500	[illegible]	8/2/11	15:00
	[illegible]	8/3/11	1500	[illegible] Pace	8/3/11	1500
	BSC	8-3-11	2200	[illegible]	8/5/11	6:30

SAMPLE CONDITIONS

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

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/02/11

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.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: PASCO CO- Project # 35354884

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T73 Type of Ice: (Wet) Blue None

Cooler Temperature °C 2.4 (Visual) -0.4 (Correction Factor) 2.0 (Actual)

Date and Initials of person examining contents: R.A. 8/5/11

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

Receipt of samples satisfactory: ☐ Yes ☐ No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/5/2011

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: _____

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

September 06, 2011

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

RE: Project: Resource Recovery
Pace Project No.: 3535569

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory between August 13, 2011 and August 20, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Sakina Mckenzie

sakina.mckenzie@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Resource Recovery
Pace Project No.: 3535569

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

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SAMPLE SUMMARY

Project: Resource Recovery
Pace Project No.: 3535569

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3535569001	**4MW-4**	Water	08/10/11 10:47	08/13/11 09:00
3535569002	**2MW-19D**	Water	08/10/11 12:40	08/13/11 09:00
3535569003	**4MW-6**	Water	08/10/11 15:17	08/13/11 09:00
3535569004	**4MW-2**	Water	08/11/11 10:42	08/17/11 07:30
3535569005	**2MW-2**	Water	08/11/11 12:14	08/17/11 07:30
3535569006	**4MW-5**	Water	08/11/11 15:16	08/17/11 07:30
3535569007	**2MW-17S**	Water	08/16/11 10:09	08/20/11 09:30
3535569008	**2MW-18D**	Water	08/16/11 12:06	08/20/11 09:30
3535569009	**4MW-11D**	Water	08/16/11 13:46	08/20/11 09:30
3535569010	**4MW-12D**	Water	08/17/11 11:42	08/20/11 09:30
3535569011	**4MW-13D**	Water	08/17/11 13:22	08/20/11 09:30
3535569012	**4MW-14D**	Water	08/17/11 15:14	08/20/11 09:30

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Ormond Beach, FL 32174
(386)672-5668

SAMPLE ANALYTE COUNT

Project: Resource Recovery
Pace Project No.: 3535569

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3535569001	**4MW-4**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569002	**2MW-19D**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569003	**4MW-6**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569004	**4MW-2**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569005	**2MW-2**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569006	**4MW-5**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569007	**2MW-17S**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569008	**2MW-18D**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569009	**4MW-11D**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569010	**4MW-12D**	EPA 8011	JLR	2	PASI-O

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SAMPLE ANALYTE COUNT

Project: Resource Recovery
Pace Project No.: 3535569

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
		EPA 6010	IST	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569011	**4MW-13D**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3535569012	**4MW-14D**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-4 **Lab ID: 3535569001** Collected: 08/10/11 10:47 Received: 08/13/11 09:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/16/11 08:30	08/16/11 13:05	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	08/16/11 08:30	08/16/11 13:05	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:49	7440-38-2	
Barium	**8.8 I**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:49	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/22/11 18:49	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/22/11 18:49	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:49	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:49	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:49	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:49	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:49	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/18/11 06:50	08/22/11 18:49	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:49	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:49	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/18/11 06:50	08/22/11 18:49	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/19/11 16:07	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/19/11 16:07	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:09	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:09	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/19/11 17:09	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:09	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:09	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/19/11 17:09	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/19/11 17:09	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:09	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	156-59-2	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-4 **Lab ID: 3535569001** Collected: 08/10/11 10:47 Received: 08/13/11 09:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/19/11 17:09	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/19/11 17:09	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:09	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/19/11 17:09	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:09	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/19/11 17:09	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/19/11 17:09	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/19/11 17:09	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:09	1330-20-7	
4-Bromofluorobenzene (S)	94	%	70-114		1		08/19/11 17:09	460-00-4	
Dibromofluoromethane (S)	112	%	88-117		1		08/19/11 17:09	1868-53-7	
1,2-Dichloroethane-d4 (S)	103	%	86-125		1		08/19/11 17:09	17060-07-0	
Toluene-d8 (S)	108	%	87-113		1		08/19/11 17:09	2037-26-5	

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

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-19D **Lab ID: 3535569002** Collected: 08/10/11 12:40 Received: 08/13/11 09:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/16/11 08:30	08/16/11 22:15	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.0099	0.0062	1	08/16/11 08:30	08/16/11 22:15	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:53	7440-38-2	
Barium	**10.4**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:53	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/22/11 18:53	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/22/11 18:53	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:53	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:53	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:53	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:53	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:53	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/18/11 06:50	08/22/11 18:53	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:53	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:53	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/18/11 06:50	08/22/11 18:53	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/19/11 16:09	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/19/11 16:09	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:33	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:33	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/19/11 17:33	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:33	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:33	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/19/11 17:33	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/19/11 17:33	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:33	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	156-59-2	

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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-19D **Lab ID: 3535569002** Collected: 08/10/11 12:40 Received: 08/13/11 09:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/19/11 17:33	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/19/11 17:33	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:33	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/19/11 17:33	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:33	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/19/11 17:33	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/19/11 17:33	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/19/11 17:33	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:33	1330-20-7	
4-Bromofluorobenzene (S)	93	%	70-114		1		08/19/11 17:33	460-00-4	
Dibromofluoromethane (S)	108	%	88-117		1		08/19/11 17:33	1868-53-7	
1,2-Dichloroethane-d4 (S)	105	%	86-125		1		08/19/11 17:33	17060-07-0	
Toluene-d8 (S)	96	%	87-113		1		08/19/11 17:33	2037-26-5	

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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-6 **Lab ID: 3535569003** Collected: 08/10/11 15:17 Received: 08/13/11 09:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.021	0.0050	1	08/16/11 08:30	08/16/11 22:29	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064U**	ug/L	0.010	0.0064	1	08/16/11 08:30	08/16/11 22:29	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:57	7440-38-2	
Barium	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:57	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/22/11 18:57	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/22/11 18:57	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:57	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:57	7440-48-4	
Copper	**6.2**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:57	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:57	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:57	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/18/11 06:50	08/22/11 18:57	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/18/11 06:50	08/22/11 18:57	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/18/11 06:50	08/22/11 18:57	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/18/11 06:50	08/22/11 18:57	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/19/11 16:11	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/18/11 06:50	08/19/11 16:11	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:57	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:57	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/19/11 17:57	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:57	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:57	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/19/11 17:57	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/19/11 17:57	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:57	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-6 **Lab ID: 3535569003** Collected: 08/10/11 15:17 Received: 08/13/11 09:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/19/11 17:57	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/19/11 17:57	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:57	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/19/11 17:57	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/19/11 17:57	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/19/11 17:57	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/19/11 17:57	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/19/11 17:57	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/19/11 17:57	1330-20-7	
4-Bromofluorobenzene (S)	95	%	70-114		1		08/19/11 17:57	460-00-4	
Dibromofluoromethane (S)	101	%	88-117		1		08/19/11 17:57	1868-53-7	
1,2-Dichloroethane-d4 (S)	109	%	86-125		1		08/19/11 17:57	17060-07-0	
Toluene-d8 (S)	98	%	87-113		1		08/19/11 17:57	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-2 **Lab ID: 3535569004** Collected: 08/11/11 10:42 Received: 08/17/11 07:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	08/18/11 10:30	08/18/11 18:11	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	08/18/11 10:30	08/18/11 18:11	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:36	7440-38-2	
Barium	**6.8 I**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:36	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 05:36	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 05:36	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:36	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:36	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:36	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:36	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:36	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/26/11 14:00	08/29/11 05:36	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:36	7440-22-4	
Vanadium	**5.2 I**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:36	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/26/11 14:00	08/29/11 05:36	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/22/11 20:00	08/28/11 07:33	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/22/11 20:00	08/28/11 07:33	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:08	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:08	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/20/11 05:08	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:08	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:08	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/20/11 05:08	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/20/11 05:08	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:08	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	156-59-2	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-2 **Lab ID: 3535569004** Collected: 08/11/11 10:42 Received: 08/17/11 07:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/20/11 05:08	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/20/11 05:08	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:08	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/20/11 05:08	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:08	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/20/11 05:08	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	127-18-4	L3
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/20/11 05:08	96-18-4	J(L2)
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/20/11 05:08	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:08	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-114		1		08/20/11 05:08	460-00-4	
Dibromofluoromethane (S)	114	%	88-117		1		08/20/11 05:08	1868-53-7	
1,2-Dichloroethane-d4 (S)	107	%	86-125		1		08/20/11 05:08	17060-07-0	
Toluene-d8 (S)	111	%	87-113		1		08/20/11 05:08	2037-26-5	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-2 **Lab ID: 3535569005** Collected: 08/11/11 12:14 Received: 08/17/11 07:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/24/11 09:00	08/25/11 20:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	08/24/11 09:00	08/25/11 20:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:40	7440-38-2	
Barium	**58.8**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:40	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 05:40	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 05:40	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:40	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:40	7440-48-4	
Copper	**2.9 I**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:40	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:40	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:40	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/26/11 14:00	08/29/11 05:40	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:40	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:40	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/26/11 14:00	08/29/11 05:40	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/22/11 20:00	08/28/11 07:35	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/22/11 20:00	08/28/11 07:35	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:32	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:32	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/20/11 05:32	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:32	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:32	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/20/11 05:32	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/20/11 05:32	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:32	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-2 **Lab ID: 3535569005** Collected: 08/11/11 12:14 Received: 08/17/11 07:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/20/11 05:32	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/20/11 05:32	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:32	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/20/11 05:32	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:32	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/20/11 05:32	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	127-18-4	L3
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/20/11 05:32	96-18-4	J(L2)
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/20/11 05:32	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:32	1330-20-7	
4-Bromofluorobenzene (S)	94	%	70-114		1		08/20/11 05:32	460-00-4	
Dibromofluoromethane (S)	108	%	88-117		1		08/20/11 05:32	1868-53-7	
1,2-Dichloroethane-d4 (S)	102	%	86-125		1		08/20/11 05:32	17060-07-0	
Toluene-d8 (S)	96	%	87-113		1		08/20/11 05:32	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-5 **Lab ID: 3535569006** Collected: 08/11/11 15:16 Received: 08/17/11 07:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/24/11 09:00	08/25/11 21:10	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	08/24/11 09:00	08/25/11 21:10	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:44	7440-38-2	
Barium	**10.9**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:44	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 05:44	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 05:44	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:44	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:44	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:44	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:44	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:44	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/26/11 14:00	08/29/11 05:44	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/29/11 05:44	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/29/11 05:44	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/26/11 14:00	08/29/11 05:44	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/22/11 20:00	08/28/11 07:45	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/22/11 20:00	08/28/11 07:45	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:56	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:56	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/20/11 05:56	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:56	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:56	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/20/11 05:56	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/20/11 05:56	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:56	110-57-6	J(L2)
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	156-59-2	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-5 **Lab ID: 3535569006** Collected: 08/11/11 15:16 Received: 08/17/11 07:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/20/11 05:56	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/20/11 05:56	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:56	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/20/11 05:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/20/11 05:56	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	630-20-6	
1,1,2,2-Tetrachloroethane	**0.23U**	ug/L	0.50	0.23	1		08/20/11 05:56	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	127-18-4	L3
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/20/11 05:56	96-18-4	J(L2)
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/20/11 05:56	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/20/11 05:56	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-114		1		08/20/11 05:56	460-00-4	
Dibromofluoromethane (S)	109	%	88-117		1		08/20/11 05:56	1868-53-7	
1,2-Dichloroethane-d4 (S)	106	%	86-125		1		08/20/11 05:56	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		08/20/11 05:56	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-17S **Lab ID: 3535569007** Collected: 08/16/11 10:09 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051U**	ug/L	0.021	0.0051	1	08/24/11 09:00	08/25/11 21:25	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065U**	ug/L	0.010	0.0065	1	08/24/11 09:00	08/25/11 21:25	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:10	7440-38-2	
Barium	**13.7**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:10	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:10	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:10	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:10	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:10	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:10	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:10	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:10	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/27/11 14:00	08/29/11 16:10	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:10	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:10	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/27/11 14:00	08/29/11 16:10	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:16	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:16	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**11.8**	ug/L	10.0	5.0	1		08/30/11 13:24	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:24	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/30/11 13:24	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:24	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:24	75-15-0	J(L2)
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/30/11 13:24	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/30/11 13:24	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:24	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-17S **Lab ID: 3535569007** Collected: 08/16/11 10:09 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 13:24	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 13:24	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:24	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/30/11 13:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:24	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/30/11 13:24	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/30/11 13:24	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/30/11 13:24	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:24	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-114		1		08/30/11 13:24	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		08/30/11 13:24	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		08/30/11 13:24	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		08/30/11 13:24	2037-26-5	

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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-18D **Lab ID: 3535569008** Collected: 08/16/11 12:06 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	08/24/11 09:00	08/25/11 21:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0098	0.0061	1	08/24/11 09:00	08/25/11 21:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:22	7440-38-2	
Barium	**10.2**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:22	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:22	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:22	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:22	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:22	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:22	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:22	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:22	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/27/11 14:00	08/29/11 16:22	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:22	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:22	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/27/11 14:00	08/29/11 16:22	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:20	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:20	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:48	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:48	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/30/11 13:48	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:48	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:48	75-15-0	J(L2)
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/30/11 13:48	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/30/11 13:48	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:48	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 2MW-18D **Lab ID: 3535569008** Collected: 08/16/11 12:06 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 13:48	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 13:48	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:48	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/30/11 13:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 13:48	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/30/11 13:48	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/30/11 13:48	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/30/11 13:48	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/30/11 13:48	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-114		1		08/30/11 13:48	460-00-4	
Dibromofluoromethane (S)	99	%	88-117		1		08/30/11 13:48	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		08/30/11 13:48	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		08/30/11 13:48	2037-26-5	

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

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-11D **Lab ID: 3535569009** Collected: 08/16/11 13:46 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0048U**	ug/L	0.020	0.0048	1	08/24/11 09:00	08/25/11 21:56	96-12-8	
1,2-Dibromoethane (EDB)	**0.0061U**	ug/L	0.0099	0.0061	1	08/24/11 09:00	08/25/11 21:56	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:38	7440-38-2	
Barium	**6.6 I**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:38	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:38	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:38	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:38	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:38	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:38	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:38	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:38	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/27/11 14:00	08/29/11 16:38	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:38	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:38	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/27/11 14:00	08/29/11 16:38	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:29	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:29	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 14:12	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/30/11 14:12	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/30/11 14:12	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 14:12	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/30/11 14:12	75-15-0	J(L2)
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/30/11 14:12	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/30/11 14:12	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/30/11 14:12	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	156-59-2	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-11D **Lab ID: 3535569009** Collected: 08/16/11 13:46 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 14:12	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 14:12	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 14:12	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/30/11 14:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 14:12	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/30/11 14:12	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/30/11 14:12	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/30/11 14:12	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/30/11 14:12	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-114		1		08/30/11 14:12	460-00-4	
Dibromofluoromethane (S)	103	%	88-117		1		08/30/11 14:12	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		08/30/11 14:12	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		08/30/11 14:12	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-12D **Lab ID: 3535569010** Collected: 08/17/11 11:42 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.021	0.0050	1	08/24/11 09:00	08/25/11 22:11	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064U**	ug/L	0.010	0.0064	1	08/24/11 09:00	08/25/11 22:11	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:43	7440-38-2	
Barium	**10.1**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:43	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:43	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:43	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:43	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:43	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:43	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:43	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:43	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/27/11 14:00	08/29/11 16:43	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:43	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:43	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/27/11 14:00	08/29/11 16:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:32	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:32	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:19	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:19	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/30/11 19:19	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:19	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:19	75-15-0	J(L2)
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/30/11 19:19	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/30/11 19:19	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:19	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-12D **Lab ID: 3535569010** Collected: 08/17/11 11:42 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 19:19	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 19:19	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:19	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/30/11 19:19	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:19	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/30/11 19:19	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/30/11 19:19	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/30/11 19:19	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:19	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-114		1		08/30/11 19:19	460-00-4	
Dibromofluoromethane (S)	101	%	88-117		1		08/30/11 19:19	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		08/30/11 19:19	17060-07-0	
Toluene-d8 (S)	101	%	87-113		1		08/30/11 19:19	2037-26-5	

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

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-13D **Lab ID: 3535569011** Collected: 08/17/11 13:22 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	08/24/11 09:00	08/25/11 22:26	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	08/24/11 09:00	08/25/11 22:26	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:55	7440-38-2	
Barium	**8.9 I**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:55	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:55	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 16:55	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:55	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:55	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:55	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:55	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:55	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/27/11 14:00	08/29/11 16:55	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 16:55	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 16:55	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/27/11 14:00	08/29/11 16:55	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:45	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:45	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:43	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:43	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/30/11 19:43	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:43	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:43	75-15-0	J(L2)
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/30/11 19:43	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/30/11 19:43	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:43	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	156-59-2	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-13D **Lab ID: 3535569011** Collected: 08/17/11 13:22 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 19:43	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 19:43	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:43	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/30/11 19:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 19:43	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/30/11 19:43	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/30/11 19:43	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/30/11 19:43	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/30/11 19:43	1330-20-7	
4-Bromofluorobenzene (S)	104	%	70-114		1		08/30/11 19:43	460-00-4	
Dibromofluoromethane (S)	105	%	88-117		1		08/30/11 19:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		08/30/11 19:43	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		08/30/11 19:43	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-14D **Lab ID: 3535569012** Collected: 08/17/11 15:14 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/24/11 09:00	08/25/11 22:41	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	08/24/11 09:00	08/25/11 22:41	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 17:11	7440-38-2	
Barium	**10.9**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 17:11	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 17:11	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/27/11 14:00	08/29/11 17:11	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 17:11	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 17:11	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 17:11	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 17:11	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 17:11	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/27/11 14:00	08/29/11 17:11	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/27/11 14:00	08/29/11 17:11	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/27/11 14:00	08/29/11 17:11	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/27/11 14:00	08/29/11 17:11	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:48	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/01/11 23:48	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 20:06	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/30/11 20:06	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/30/11 20:06	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 20:06	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/30/11 20:06	75-15-0	J(L2)
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/30/11 20:06	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/30/11 20:06	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/30/11 20:06	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3535569

Sample: 4MW-14D **Lab ID: 3535569012** Collected: 08/17/11 15:14 Received: 08/20/11 09:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 20:06	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/30/11 20:06	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/30/11 20:06	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/30/11 20:06	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/30/11 20:06	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/30/11 20:06	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/30/11 20:06	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/30/11 20:06	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/30/11 20:06	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-114		1		08/30/11 20:06	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		08/30/11 20:06	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		08/30/11 20:06	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		08/30/11 20:06	2037-26-5	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: OEXT/5423 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3535569001, 3535569002, 3535569003

METHOD BLANK: 237622 | Matrix: Water
Associated Lab Samples: 3535569001, 3535569002, 3535569003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	08/16/11 11:52	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	08/16/11 11:52	

LABORATORY CONTROL SAMPLE: 237623

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.30	121	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.27	109	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 237624 237625

Parameter	Units	3535569001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	.44	.44	0.48	0.44	109	101	60-140	7	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.52	0.50	118	114	60-140	3	40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: OEXT/5447 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3535569004

METHOD BLANK: 238986 | Matrix: Water
Associated Lab Samples: 3535569004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	08/18/11 12:03	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	08/18/11 12:03	

LABORATORY CONTROL SAMPLE: 238987

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.23	92	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.23	91	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 238988 238989

Parameter	Units	3535748001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0048 U	.44	.44	0.44	0.46	102	106	60-140	4	40	
1,2-Dibromoethane (EDB)	ug/L	0.0060 U	.44	.44	0.48	0.49	109	112	60-140	2	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: OEXT/5504 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3535569005, 3535569006, 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

METHOD BLANK: 242119 Matrix: Water
Associated Lab Samples: 3535569005, 3535569006, 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	08/25/11 18:22	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	08/25/11 18:22	

LABORATORY CONTROL SAMPLE: 242120

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.23	93	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.22	88	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242121 242122

Parameter	Units	3535569005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	.44	.44	0.30	0.30	68	68	60-140	.2	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.43	0.46	99	105	60-140	6	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MPRP/5435 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 3535569001, 3535569002, 3535569003

METHOD BLANK: 238106 | Matrix: Water
Associated Lab Samples: 3535569001, 3535569002, 3535569003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/22/11 17:18	
Barium	ug/L	5.0U	10.0	08/22/11 17:18	
Beryllium	ug/L	0.50U	1.0	08/22/11 17:18	
Cadmium	ug/L	0.50U	1.0	08/22/11 17:18	
Chromium	ug/L	2.5U	5.0	08/22/11 17:18	
Cobalt	ug/L	5.0U	10.0	08/22/11 17:18	
Copper	ug/L	2.5U	5.0	08/22/11 17:18	
Lead	ug/L	5.0U	10.0	08/22/11 17:18	N2
Nickel	ug/L	2.5U	5.0	08/22/11 17:18	
Selenium	ug/L	7.5U	15.0	08/22/11 17:18	N2
Silver	ug/L	2.5U	5.0	08/22/11 17:18	
Vanadium	ug/L	5.0U	10.0	08/22/11 17:18	
Zinc	ug/L	10.0U	20.0	08/22/11 17:18	

LABORATORY CONTROL SAMPLE: 238107

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	247	99	80-120	
Barium	ug/L	250	254	101	80-120	
Beryllium	ug/L	25	24.7	99	80-120	
Cadmium	ug/L	25	25.5	102	80-120	
Chromium	ug/L	250	255	102	80-120	
Cobalt	ug/L	250	261	104	80-120	
Copper	ug/L	250	262	105	80-120	
Lead	ug/L	250	240	96	80-120	N2
Nickel	ug/L	250	264	106	80-120	
Selenium	ug/L	250	259	104	80-120	N2
Silver	ug/L	25	25.2	101	80-120	
Vanadium	ug/L	250	255	102	80-120	
Zinc	ug/L	1250	1270	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 238108 238109

Parameter	Units	3535461002 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	248	233	99	93	75-125	6	20	
Barium	ug/L	24.0	250	250	276	259	101	94	75-125	6	20	
Beryllium	ug/L	0.50U	25	25	25.0	23.4	99	93	75-125	7	20	
Cadmium	ug/L	0.50U	25	25	25.0	23.7	100	95	75-125	5	20	
Chromium	ug/L	2.5U	250	250	254	237	101	94	75-125	7	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 238108 238109

Parameter	Units	3535461002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	258	242	103	97	75-125	6	20	
Copper	ug/L	2.5U	250	250	263	246	105	98	75-125	7	20	
Lead	ug/L	5.0U	250	250	240	228	96	91	75-125	5	20	N2
Nickel	ug/L	2.5U	250	250	260	244	104	98	75-125	6	20	
Selenium	ug/L	7.5U	250	250	256	243	102	97	75-125	5	20	N2
Silver	ug/L	2.5U	25	25	25.7	24.7	103	99	75-125	4	20	
Vanadium	ug/L	5.0U	250	250	256	240	102	96	75-125	7	20	
Zinc	ug/L	10.0U	1250	1250	1260	1190	101	95	75-125	6	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MPRP/5575 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 3535569004, 3535569005, 3535569006

METHOD BLANK: 243602 Matrix: Water
Associated Lab Samples: 3535569004, 3535569005, 3535569006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/29/11 04:14	
Barium	ug/L	5.0U	10.0	08/29/11 04:14	
Beryllium	ug/L	0.50U	1.0	08/29/11 04:14	
Cadmium	ug/L	0.50U	1.0	08/29/11 04:14	
Chromium	ug/L	2.5U	5.0	08/29/11 04:14	
Cobalt	ug/L	5.0U	10.0	08/29/11 04:14	
Copper	ug/L	2.5U	5.0	08/29/11 04:14	
Lead	ug/L	5.0U	10.0	08/29/11 04:14	
Nickel	ug/L	2.5U	5.0	08/29/11 04:14	
Selenium	ug/L	7.5U	15.0	08/29/11 04:14	
Silver	ug/L	2.5U	5.0	08/29/11 04:14	
Vanadium	ug/L	5.0U	10.0	08/29/11 04:14	
Zinc	ug/L	10.0U	20.0	08/29/11 04:14	

LABORATORY CONTROL SAMPLE: 243603

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	256	102	80-120	
Barium	ug/L	250	257	103	80-120	
Beryllium	ug/L	25	25.4	102	80-120	
Cadmium	ug/L	25	27.1	108	80-120	
Chromium	ug/L	250	263	105	80-120	
Cobalt	ug/L	250	274	110	80-120	
Copper	ug/L	250	255	102	80-120	
Lead	ug/L	250	258	103	80-120	
Nickel	ug/L	250	278	111	80-120	
Selenium	ug/L	250	264	106	80-120	
Silver	ug/L	25	25.3	101	80-120	
Vanadium	ug/L	250	260	104	80-120	
Zinc	ug/L	1250	1330	106	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243604 243605

Parameter	Units	3535997004 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	255	257	102	103	75-125	.9	20	
Barium	ug/L	9.1 I	250	250	261	264	101	102	75-125	1	20	
Beryllium	ug/L	0.50U	25	25	25.1	25.6	100	102	75-125	2	20	
Cadmium	ug/L	0.50U	25	25	25.8	26.1	103	104	75-125	1	20	
Chromium	ug/L	2.5U	250	250	258	261	103	104	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243604 243605

Parameter	Units	3535997004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	260	263	104	105	75-125	1	20	
Copper	ug/L	2.5U	250	250	254	260	101	104	75-125	2	20	
Lead	ug/L	5.0U	250	250	251	254	100	102	75-125	1	20	
Nickel	ug/L	2.5U	250	250	263	266	105	106	75-125	1	20	
Selenium	ug/L	7.5U	250	250	256	258	102	103	75-125	.5	20	
Silver	ug/L	2.5U	25	25	25.0	25.4	100	102	75-125	1	20	
Vanadium	ug/L	5.2 I	250	250	264	269	104	105	75-125	2	20	
Zinc	ug/L	10.0U	1250	1250	1300	1310	104	105	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MPRP/5585 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

METHOD BLANK: 244063 | Matrix: Water
Associated Lab Samples: 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/29/11 15:54	
Barium	ug/L	5.0U	10.0	08/29/11 15:54	
Beryllium	ug/L	0.50U	1.0	08/29/11 15:54	
Cadmium	ug/L	0.50U	1.0	08/29/11 15:54	
Chromium	ug/L	2.5U	5.0	08/29/11 15:54	
Cobalt	ug/L	5.0U	10.0	08/29/11 15:54	
Copper	ug/L	2.5U	5.0	08/29/11 15:54	
Lead	ug/L	5.0U	10.0	08/29/11 15:54	
Nickel	ug/L	2.5U	5.0	08/29/11 15:54	
Selenium	ug/L	7.5U	15.0	08/29/11 15:54	
Silver	ug/L	2.5U	5.0	08/29/11 15:54	
Vanadium	ug/L	5.0U	10.0	08/29/11 15:54	
Zinc	ug/L	10.0U	20.0	08/29/11 15:54	

LABORATORY CONTROL SAMPLE: 244064

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	254	102	80-120	
Barium	ug/L	250	248	99	80-120	
Beryllium	ug/L	25	25.4	101	80-120	
Cadmium	ug/L	25	27.1	108	80-120	
Chromium	ug/L	250	259	104	80-120	
Cobalt	ug/L	250	264	106	80-120	
Copper	ug/L	250	257	103	80-120	
Lead	ug/L	250	244	97	80-120	
Nickel	ug/L	250	266	106	80-120	
Selenium	ug/L	250	265	106	80-120	
Silver	ug/L	25	25.7	103	80-120	
Vanadium	ug/L	250	256	102	80-120	
Zinc	ug/L	1250	1260	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244065 244066

Parameter	Units	3535569007 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	255	256	102	102	75-125	.3	20	
Barium	ug/L	13.7	250	250	265	258	101	98	75-125	3	20	
Beryllium	ug/L	0.50U	25	25	25.3	25.4	101	101	75-125	.2	20	
Cadmium	ug/L	0.50U	25	25	26.7	26.9	106	107	75-125	.4	20	
Chromium	ug/L	2.5U	250	250	259	260	103	104	75-125	.7	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244065 244066

Parameter	Units	3535569007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	260	261	104	104	75-125	.2	20	
Copper	ug/L	2.5U	250	250	261	260	104	104	75-125	.3	20	
Lead	ug/L	5.0U	250	250	243	242	96	96	75-125	.3	20	
Nickel	ug/L	2.5U	250	250	262	263	104	105	75-125	.4	20	
Selenium	ug/L	7.5U	250	250	259	262	103	104	75-125	1	20	
Silver	ug/L	2.5U	25	25	26.2	26.1	105	104	75-125	.5	20	
Vanadium	ug/L	5.0U	250	250	257	259	103	103	75-125	.8	20	
Zinc	ug/L	10.0U	1250	1250	1260	1260	100	100	75-125	.08	20	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244079 244080

Parameter	Units	3536615002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Arsenic	ug/L	5.3 I	250	250	259	261	101	102	75-125	1	20	
Barium	ug/L	12.8	250	250	258	260	98	99	75-125	.6	20	
Beryllium	ug/L	0.50U	25	25	25.5	25.3	101	101	75-125	.6	20	
Cadmium	ug/L	0.50U	25	25	26.2	26.4	105	105	75-125	.7	20	
Chromium	ug/L	2.5U	250	250	260	258	104	103	75-125	.8	20	
Cobalt	ug/L	5.0U	250	250	259	262	103	105	75-125	1	20	
Copper	ug/L	2.5U	250	250	263	262	105	104	75-125	.3	20	
Lead	ug/L	5.0U	250	250	241	243	96	97	75-125	1	20	
Nickel	ug/L	2.5U	250	250	260	262	104	104	75-125	.7	20	
Selenium	ug/L	7.5U	250	250	260	262	104	105	75-125	.7	20	
Silver	ug/L	2.5U	25	25	26.2	26.1	105	104	75-125	.4	20	
Vanadium	ug/L	5.0U	250	250	261	259	104	103	75-125	.8	20	
Zinc	ug/L	10.0U	1250	1250	1260	1270	100	101	75-125	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MPRP/5434 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 3535569001, 3535569002, 3535569003

METHOD BLANK: 238101 Matrix: Water
Associated Lab Samples: 3535569001, 3535569002, 3535569003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	08/19/11 15:14	
Thallium	ug/L	0.50U	1.0	08/19/11 15:14	

LABORATORY CONTROL SAMPLE: 238102

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.7	95	90-110	
Thallium	ug/L	50	51.0	102	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 238103 238104

Parameter	Units	3535461001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	48.0	47.6	96	95	70-130	.9	20	
Thallium	ug/L	0.50U	50	50	51.3	50.5	103	101	70-130	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MPRP/5494 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 3535569004, 3535569005, 3535569006

METHOD BLANK: 240742 Matrix: Water
Associated Lab Samples: 3535569004, 3535569005, 3535569006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	08/28/11 07:00	
Thallium	ug/L	0.50U	1.0	08/28/11 07:00	

LABORATORY CONTROL SAMPLE: 240743

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	49.4	99	90-110	
Thallium	ug/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 240744 240745

Parameter	Units	3535879008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	47.8	48.1	95	96	70-130	.6	20	
Thallium	ug/L	0.50U	50	50	50.3	51.0	100	102	70-130	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MPRP/5592 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

METHOD BLANK: 244195 | Matrix: Water
Associated Lab Samples: 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	09/01/11 23:10	
Thallium	ug/L	0.50U	1.0	09/01/11 23:10	

LABORATORY CONTROL SAMPLE: 244196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.8	102	90-110	
Thallium	ug/L	50	46.6	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244197 244198

Parameter	Units	3535569008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	49.5	50.1	99	100	70-130	1	20	
Thallium	ug/L	0.50U	50	50	49.4	48.9	99	98	70-130	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MSV/3487 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3535569001, 3535569002, 3535569003

METHOD BLANK: 240227 Matrix: Water
Associated Lab Samples: 3535569001, 3535569002, 3535569003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/19/11 14:22	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/19/11 14:22	
1,1,2,2-Tetrachloroethane	ug/L	0.23U	0.50	08/19/11 14:22	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/19/11 14:22	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/19/11 14:22	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/19/11 14:22	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/19/11 14:22	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/19/11 14:22	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/19/11 14:22	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/19/11 14:22	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/19/11 14:22	
2-Butanone (MEK)	ug/L	5.0U	10.0	08/19/11 14:22	
2-Hexanone	ug/L	5.0U	10.0	08/19/11 14:22	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/19/11 14:22	
Acetone	ug/L	5.0U	10.0	08/19/11 14:22	
Acrylonitrile	ug/L	5.0U	10.0	08/19/11 14:22	
Benzene	ug/L	0.50U	1.0	08/19/11 14:22	
Bromochloromethane	ug/L	0.50U	1.0	08/19/11 14:22	
Bromodichloromethane	ug/L	0.27U	0.60	08/19/11 14:22	
Bromoform	ug/L	0.50U	1.0	08/19/11 14:22	
Bromomethane	ug/L	0.50U	1.0	08/19/11 14:22	
Carbon disulfide	ug/L	5.0U	10.0	08/19/11 14:22	
Carbon tetrachloride	ug/L	0.50U	1.0	08/19/11 14:22	
Chlorobenzene	ug/L	0.50U	1.0	08/19/11 14:22	
Chloroethane	ug/L	0.50U	1.0	08/19/11 14:22	
Chloroform	ug/L	0.50U	1.0	08/19/11 14:22	
Chloromethane	ug/L	0.62U	1.0	08/19/11 14:22	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/19/11 14:22	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/19/11 14:22	
Dibromochloromethane	ug/L	0.26U	0.50	08/19/11 14:22	
Dibromomethane	ug/L	0.50U	1.0	08/19/11 14:22	
Ethylbenzene	ug/L	0.50U	1.0	08/19/11 14:22	
Iodomethane	ug/L	0.50U	1.0	08/19/11 14:22	
Methylene Chloride	ug/L	2.5U	5.0	08/19/11 14:22	
Styrene	ug/L	0.50U	1.0	08/19/11 14:22	
Tetrachloroethene	ug/L	0.50U	1.0	08/19/11 14:22	
Toluene	ug/L	0.50U	1.0	08/19/11 14:22	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/19/11 14:22	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/19/11 14:22	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/19/11 14:22	
Trichloroethene	ug/L	0.50U	1.0	08/19/11 14:22	
Trichlorofluoromethane	ug/L	0.50U	1.0	08/19/11 14:22	
Vinyl acetate	ug/L	1.0U	2.0	08/19/11 14:22	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

METHOD BLANK: 240227 Matrix: Water

Associated Lab Samples: 3535569001, 3535569002, 3535569003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	08/19/11 14:22	
Xylene (Total)	ug/L	0.50U	1.0	08/19/11 14:22	
1,2-Dichloroethane-d4 (S)	%	101	86-125	08/19/11 14:22	
4-Bromofluorobenzene (S)	%	100	70-114	08/19/11 14:22	
Dibromofluoromethane (S)	%	103	88-117	08/19/11 14:22	
Toluene-d8 (S)	%	95	87-113	08/19/11 14:22	

LABORATORY CONTROL SAMPLE: 240228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.3	102	80-123	
1,1,1-Trichloroethane	ug/L	20	20.9	104	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	19.8	99	72-127	
1,1,2-Trichloroethane	ug/L	20	19.7	98	80-121	
1,1-Dichloroethane	ug/L	20	20.4	102	80-122	
1,1-Dichloroethene	ug/L	20	19.4	97	74-114	
1,2,3-Trichloropropane	ug/L	20	15.3	76	73-123	
1,2-Dichlorobenzene	ug/L	20	21.3	107	80-120	
1,2-Dichloroethane	ug/L	20	20.8	104	80-120	
1,2-Dichloropropane	ug/L	20	21.1	106	80-120	
1,4-Dichlorobenzene	ug/L	20	21.1	105	83-120	
2-Butanone (MEK)	ug/L	20	23.7	119	55-167	
2-Hexanone	ug/L	20	21.7	109	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.7	103	75-122	
Acetone	ug/L	20	11.7	59	40-150	
Acrylonitrile	ug/L	200	219	109	77-128	
Benzene	ug/L	20	21.3	106	80-123	
Bromochloromethane	ug/L	20	21.9	110	80-120	
Bromodichloromethane	ug/L	20	20.1	100	80-123	
Bromoform	ug/L	20	19.8	99	68-121	
Bromomethane	ug/L	20	20.3	102	38-179	
Carbon disulfide	ug/L	20	20.3	101	51-155	
Carbon tetrachloride	ug/L	20	20.8	104	79-122	
Chlorobenzene	ug/L	20	21.1	106	80-120	
Chloroethane	ug/L	20	22.1	111	59-149	
Chloroform	ug/L	20	20.2	101	79-120	
Chloromethane	ug/L	20	19.0	95	68-140	
cis-1,2-Dichloroethene	ug/L	20	21.1	105	80-120	
cis-1,3-Dichloropropene	ug/L	20	19.6	98	80-126	
Dibromochloromethane	ug/L	20	19.0	95	76-122	
Dibromomethane	ug/L	20	21.4	107	81-122	
Ethylbenzene	ug/L	20	20.8	104	80-120	
Iodomethane	ug/L	20	18.8	94	43-160	
Methylene Chloride	ug/L	20	20.0	100	75-127	
Styrene	ug/L	20	19.9	100	80-122	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

LABORATORY CONTROL SAMPLE: 240228

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	19.5	97	66-133	
Toluene	ug/L	20	20.3	102	80-117	
trans-1,2-Dichloroethene	ug/L	20	19.8	99	80-122	
trans-1,3-Dichloropropene	ug/L	20	18.8	94	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	18.1	91	65-125	
Trichloroethene	ug/L	20	21.1	105	80-120	
Trichlorofluoromethane	ug/L	20	20.6	103	72-131	
Vinyl acetate	ug/L	20	15.3	76	69-135	
Vinyl chloride	ug/L	20	20.4	102	69-140	
Xylene (Total)	ug/L	60	60.8	101	80-120	
1,2-Dichloroethane-d4 (S)	%			93	86-125	
4-Bromofluorobenzene (S)	%			96	70-114	
Dibromofluoromethane (S)	%			107	88-117	
Toluene-d8 (S)	%			99	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 240257 240258

Parameter	Units	3535560001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	16.9	22.1	85	110	39-130	26	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	17.6	22.6	88	113	47-141	25	40	
1,1,2,2-Tetrachloroethane	ug/L	0.23U	20	20	16.1	19.7	81	99	49-131	20	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	17.0	21.9	85	109	50-130	25	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	17.0	21.2	85	106	54-137	22	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	16.2	21.2	81	106	45-155	26	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	16.1	15.7	80	79	31-132	2	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	14.2	21.5	71	107	43-130	41	40	J(D6)
1,2-Dichloroethane	ug/L	0.50U	20	20	16.9	20.8	84	104	54-130	21	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	17.7	22.5	89	112	53-130	24	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	13.3	21.2	66	106	38-130	46	40	J(D6)
2-Butanone (MEK)	ug/L	5.0U	20	20	7.1 I	9.9 I	35	49	48-138		40	J(M1)
2-Hexanone	ug/L	5.0U	20	20	16.3	18.4	81	92	38-130	12	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	15.3	18.5	76	93	28-143	19	40	
Acetone	ug/L	5.0U	20	20	11.3	8.5 I	56	43	20-140		40	
Acrylonitrile	ug/L	5.0U	200	200	166	192	83	96	46-130	14	40	
Benzene	ug/L	0.50U	20	20	16.9	22.0	85	110	53-132	26	40	
Bromochloromethane	ug/L	0.50U	20	20	17.5	22.5	88	113	54-132	25	40	
Bromodichloromethane	ug/L	0.27U	20	20	16.3	20.6	81	103	46-130	24	40	
Bromoform	ug/L	0.50U	20	20	14.9	18.0	75	90	32-130	19	40	
Bromomethane	ug/L	0.50U	20	20	14.5	21.3	72	107	20-152	38	40	
Carbon disulfide	ug/L	5.0U	20	20	15.5	20.9	66	93	28-184	29	40	
Carbon tetrachloride	ug/L	0.50U	20	20	16.4	22.9	82	115	37-137	33	40	
Chlorobenzene	ug/L	0.50U	20	20	15.9	21.8	79	109	46-130	32	40	
Chloroethane	ug/L	0.50U	20	20	18.4	25.1	92	125	48-159	31	40	
Chloroform	ug/L	0.50U	20	20	16.8	20.7	84	104	51-130	21	40	
Chloromethane	ug/L	0.62U	20	20	14.7	20.2	74	101	39-144	31	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	16.7	22.5	84	113	54-130	30	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 240257 240258

Parameter	Units	3535560001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	14.5	18.6	73	93	45-130	25	40	
Dibromochloromethane	ug/L	0.26U	20	20	14.8	19.1	74	96	43-130	26	40	
Dibromomethane	ug/L	0.50U	20	20	16.6	20.4	83	102	50-130	20	40	
Ethylbenzene	ug/L	0.50U	20	20	14.8	21.9	74	109	43-130	38	40	
Iodomethane	ug/L	0.50U	20	20	15.4	18.6	77	93	20-169	19	40	
Methylene Chloride	ug/L	2.5U	20	20	15.9	20.6	79	102	51-135	25	40	
Styrene	ug/L	0.50U	20	20	14.9	20.1	75	100	40-130	29	40	
Tetrachloroethene	ug/L	0.50U	20	20	11.7	20.5	58	103	26-130	55	40	J(D6)
Toluene	ug/L	0.50U	20	20	15.6	21.6	77	107	50-130	32	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	15.8	21.9	79	109	48-142	32	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	14.6	18.5	73	92	45-130	23	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	12.2	13.6	61	68	20-139	10	40	
Trichloroethene	ug/L	0.50U	20	20	15.8	23.5	79	118	42-133	39	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	14.8	24.3	74	121	46-146	49	40	J(D6)
Vinyl acetate	ug/L	1.0U	20	20	2.6	7.4	13	37	20-165	95	40	J(D6), J(M1)
Vinyl chloride	ug/L	0.50U	20	20	17.0	24.2	85	121	57-142	35	40	
Xylene (Total)	ug/L	2.7	60	60	44.1	64.6	69	103	42-130	38	40	
1,2-Dichloroethane-d4 (S)	%						101	95	86-125			
4-Bromofluorobenzene (S)	%						98	100	70-114			
Dibromofluoromethane (S)	%						107	109	88-117			
Toluene-d8 (S)	%						99	99	87-113			

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MSV/3488 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3535569004, 3535569005, 3535569006

METHOD BLANK: 240275 Matrix: Water
Associated Lab Samples: 3535569004, 3535569005, 3535569006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/20/11 01:56	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/20/11 01:56	
1,1,2,2-Tetrachloroethane	ug/L	0.23U	0.50	08/20/11 01:56	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/20/11 01:56	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/20/11 01:56	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/20/11 01:56	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/20/11 01:56	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/20/11 01:56	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/20/11 01:56	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/20/11 01:56	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/20/11 01:56	
2-Butanone (MEK)	ug/L	5.0U	10.0	08/20/11 01:56	
2-Hexanone	ug/L	5.0U	10.0	08/20/11 01:56	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/20/11 01:56	
Acetone	ug/L	5.0U	10.0	08/20/11 01:56	
Acrylonitrile	ug/L	5.0U	10.0	08/20/11 01:56	
Benzene	ug/L	0.50U	1.0	08/20/11 01:56	
Bromochloromethane	ug/L	0.50U	1.0	08/20/11 01:56	
Bromodichloromethane	ug/L	0.27U	0.60	08/20/11 01:56	
Bromoform	ug/L	0.50U	1.0	08/20/11 01:56	
Bromomethane	ug/L	0.50U	1.0	08/20/11 01:56	
Carbon disulfide	ug/L	5.0U	10.0	08/20/11 01:56	
Carbon tetrachloride	ug/L	0.50U	1.0	08/20/11 01:56	
Chlorobenzene	ug/L	0.50U	1.0	08/20/11 01:56	
Chloroethane	ug/L	0.50U	1.0	08/20/11 01:56	
Chloroform	ug/L	0.50U	1.0	08/20/11 01:56	
Chloromethane	ug/L	0.62U	1.0	08/20/11 01:56	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/20/11 01:56	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/20/11 01:56	
Dibromochloromethane	ug/L	0.26U	0.50	08/20/11 01:56	
Dibromomethane	ug/L	0.50U	1.0	08/20/11 01:56	
Ethylbenzene	ug/L	0.50U	1.0	08/20/11 01:56	
Iodomethane	ug/L	0.50U	1.0	08/20/11 01:56	
Methylene Chloride	ug/L	2.5U	5.0	08/20/11 01:56	
Styrene	ug/L	0.50U	1.0	08/20/11 01:56	
Tetrachloroethene	ug/L	0.50U	1.0	08/20/11 01:56	
Toluene	ug/L	0.50U	1.0	08/20/11 01:56	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/20/11 01:56	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/20/11 01:56	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/20/11 01:56	
Trichloroethene	ug/L	0.50U	1.0	08/20/11 01:56	
Trichlorofluoromethane	ug/L	0.50U	1.0	08/20/11 01:56	
Vinyl acetate	ug/L	1.0U	2.0	08/20/11 01:56	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

METHOD BLANK: 240275 Matrix: Water

Associated Lab Samples: 3535569004, 3535569005, 3535569006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	08/20/11 01:56	
Xylene (Total)	ug/L	0.50U	1.0	08/20/11 01:56	
1,2-Dichloroethane-d4 (S)	%	105	86-125	08/20/11 01:56	
4-Bromofluorobenzene (S)	%	97	70-114	08/20/11 01:56	
Dibromofluoromethane (S)	%	107	88-117	08/20/11 01:56	
Toluene-d8 (S)	%	95	87-113	08/20/11 01:56	

LABORATORY CONTROL SAMPLE: 240276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.7	103	80-123	
1,1,1-Trichloroethane	ug/L	20	19.1	96	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	18.1	91	72-127	
1,1,2-Trichloroethane	ug/L	20	19.4	97	80-121	
1,1-Dichloroethane	ug/L	20	20.3	102	80-122	
1,1-Dichloroethene	ug/L	20	19.6	98	74-114	
1,2,3-Trichloropropane	ug/L	20	13.8	69	73-123	J(L0)
1,2-Dichlorobenzene	ug/L	20	19.9	99	80-120	
1,2-Dichloroethane	ug/L	20	18.2	91	80-120	
1,2-Dichloropropane	ug/L	20	19.7	99	80-120	
1,4-Dichlorobenzene	ug/L	20	19.7	99	83-120	
2-Butanone (MEK)	ug/L	20	25.7	128	55-167	
2-Hexanone	ug/L	20	24.0	120	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.2	106	75-122	
Acetone	ug/L	20	30.0	150	40-150	
Acrylonitrile	ug/L	200	217	108	77-128	
Benzene	ug/L	20	19.9	99	80-123	
Bromochloromethane	ug/L	20	21.5	108	80-120	
Bromodichloromethane	ug/L	20	18.5	93	80-123	
Bromoform	ug/L	20	17.9	90	68-121	
Bromomethane	ug/L	20	20.5	103	38-179	
Carbon disulfide	ug/L	20	21.9	110	51-155	
Carbon tetrachloride	ug/L	20	18.8	94	79-122	
Chlorobenzene	ug/L	20	20.3	102	80-120	
Chloroethane	ug/L	20	23.8	119	59-149	
Chloroform	ug/L	20	19.4	97	79-120	
Chloromethane	ug/L	20	20.6	103	68-140	
cis-1,2-Dichloroethene	ug/L	20	21.1	106	80-120	
cis-1,3-Dichloropropene	ug/L	20	17.4	87	80-126	
Dibromochloromethane	ug/L	20	18.0	90	76-122	
Dibromomethane	ug/L	20	18.7	93	81-122	
Ethylbenzene	ug/L	20	20.1	101	80-120	
Iodomethane	ug/L	20	20.0	100	43-160	
Methylene Chloride	ug/L	20	20.9	104	75-127	
Styrene	ug/L	20	19.2	96	80-122	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

LABORATORY CONTROL SAMPLE: 240276

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	32.3	162	66-133	J(L0)
Toluene	ug/L	20	20.0	100	80-117	
trans-1,2-Dichloroethene	ug/L	20	20.9	104	80-122	
trans-1,3-Dichloropropene	ug/L	20	17.7	88	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	9.1 I	46	65-125	J(L0)
Trichloroethene	ug/L	20	19.9	100	80-120	
Trichlorofluoromethane	ug/L	20	21.8	109	72-131	
Vinyl acetate	ug/L	20	21.9	110	69-135	
Vinyl chloride	ug/L	20	22.3	111	69-140	
Xylene (Total)	ug/L	60	57.8	96	80-120	
1,2-Dichloroethane-d4 (S)	%			93	86-125	
4-Bromofluorobenzene (S)	%			101	70-114	
Dibromofluoromethane (S)	%			103	88-117	
Toluene-d8 (S)	%			96	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 240277 240278

Parameter	Units	3535879006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	19.1	23.1	95	116	39-130	19	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	17.1	23.3	85	117	47-141	31	40	
1,1,2,2-Tetrachloroethane	ug/L	0.23U	20	20	17.6	20.2	88	101	49-131	14	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	18.3	22.4	91	112	50-130	20	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	18.1	24.5	91	123	54-137	30	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	17.1	25.0	86	125	45-155	37	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	18.0	21.7	90	108	31-132	18	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	17.0	22.3	85	112	43-130	27	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	18.8	21.7	94	109	54-130	15	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	18.8	22.4	94	112	53-130	18	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	15.6	21.9	78	110	38-130	34	40	
2-Butanone (MEK)	ug/L	5.0U	20	20	9.6 I	18.0	48	90	48-138		40	
2-Hexanone	ug/L	5.0U	20	20	16.2	17.0	81	85	38-130	5	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	17.7	18.2	89	91	28-143	2	40	
Acetone	ug/L	5.0U	20	20	13.2	30.5	66	152	20-140	79	40	J(D6), J(M1)
Acrylonitrile	ug/L	5.0U	200	200	208	228	104	114	46-130	9	40	
Benzene	ug/L	0.50U	20	20	20.6	24.2	103	121	53-132	16	40	
Bromochloromethane	ug/L	0.50U	20	20	16.9	22.0	84	110	54-132	26	40	
Bromodichloromethane	ug/L	0.27U	20	20	18.8	21.6	94	108	46-130	14	40	
Bromoform	ug/L	0.50U	20	20	17.8	20.2	89	101	32-130	12	40	
Bromomethane	ug/L	0.50U	20	20	19.0	26.6	95	133	20-152	33	40	
Carbon disulfide	ug/L	5.0U	20	20	17.4	22.4	75	101	28-184	25	40	
Carbon tetrachloride	ug/L	0.50U	20	20	14.6	24.3	73	122	37-137	50	40	J(D6)
Chlorobenzene	ug/L	0.50U	20	20	18.7	23.3	94	116	46-130	22	40	
Chloroethane	ug/L	0.50U	20	20	24.0	30.2	120	151	48-159	23	40	
Chloroform	ug/L	0.50U	20	20	16.0	22.3	80	112	51-130	33	40	
Chloromethane	ug/L	0.62U	20	20	18.6	25.5	93	127	39-144	31	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 240277 240278

Parameter	Units	3535879006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	19.3	25.3	96	126	54-130	27	40	
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	15.7	21.4	79	107	45-130	31	40	
Dibromochloromethane	ug/L	0.26U	20	20	17.4	20.8	87	104	43-130	17	40	
Dibromomethane	ug/L	0.50U	20	20	18.6	22.5	93	113	50-130	19	40	
Ethylbenzene	ug/L	0.50U	20	20	17.5	22.9	87	115	43-130	27	40	
Iodomethane	ug/L	0.50U	20	20	17.2	19.6	86	98	20-169	13	40	
Methylene Chloride	ug/L	2.5U	20	20	17.2	22.8	84	112	51-135	28	40	
Styrene	ug/L	0.50U	20	20	15.5	15.5	77	78	40-130	.5	40	
Tetrachloroethene	ug/L	0.50U	20	20	13.2	20.9	66	104	26-130	45	40	J(D6)
Toluene	ug/L	0.50U	20	20	18.1	23.0	91	115	50-130	23	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	17.5	24.3	88	121	48-142	32	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	15.7	19.8	78	99	45-130	23	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	12.7	13.8	64	69	20-139	8	40	
Trichloroethene	ug/L	0.50U	20	20	18.2	23.3	91	117	42-133	25	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	18.6	29.7	93	149	46-146	46	40	J(D6), J(M1)
Vinyl acetate	ug/L	1.0U	20	20	3.2	18.6	16	93	20-165	141	40	J(D6), J(M1)
Vinyl chloride	ug/L	0.50U	20	20	21.1	29.7	105	148	57-142	34	40	J(M1)
Xylene (Total)	ug/L	0.50U	60	60	49.9	67.4	83	112	42-130	30	40	
1,2-Dichloroethane-d4 (S)	%						103	92	86-125			
4-Bromofluorobenzene (S)	%						98	102	70-114			
Dibromofluoromethane (S)	%						90	107	88-117			
Toluene-d8 (S)	%						101	110	87-113			

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

QC Batch: MSV/3550 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

METHOD BLANK: 244956 Matrix: Water
Associated Lab Samples: 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/30/11 12:13	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/30/11 12:13	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	08/30/11 12:13	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/30/11 12:13	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/30/11 12:13	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/30/11 12:13	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/30/11 12:13	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/30/11 12:13	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/30/11 12:13	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/30/11 12:13	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/30/11 12:13	
2-Butanone (MEK)	ug/L	5.0U	10.0	08/30/11 12:13	
2-Hexanone	ug/L	5.0U	10.0	08/30/11 12:13	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/30/11 12:13	
Acetone	ug/L	5.0U	10.0	08/30/11 12:13	
Acrylonitrile	ug/L	5.0U	10.0	08/30/11 12:13	
Benzene	ug/L	0.50U	1.0	08/30/11 12:13	
Bromochloromethane	ug/L	0.50U	1.0	08/30/11 12:13	
Bromodichloromethane	ug/L	0.27U	0.60	08/30/11 12:13	
Bromoform	ug/L	0.50U	1.0	08/30/11 12:13	
Bromomethane	ug/L	0.50U	1.0	08/30/11 12:13	
Carbon disulfide	ug/L	5.0U	10.0	08/30/11 12:13	
Carbon tetrachloride	ug/L	0.50U	1.0	08/30/11 12:13	
Chlorobenzene	ug/L	0.50U	1.0	08/30/11 12:13	
Chloroethane	ug/L	0.50U	1.0	08/30/11 12:13	
Chloroform	ug/L	0.50U	1.0	08/30/11 12:13	
Chloromethane	ug/L	0.62U	1.0	08/30/11 12:13	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/30/11 12:13	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/30/11 12:13	
Dibromochloromethane	ug/L	0.26U	0.50	08/30/11 12:13	
Dibromomethane	ug/L	0.50U	1.0	08/30/11 12:13	
Ethylbenzene	ug/L	0.50U	1.0	08/30/11 12:13	
Iodomethane	ug/L	0.50U	1.0	08/30/11 12:13	
Methylene Chloride	ug/L	2.5U	5.0	08/30/11 12:13	
Styrene	ug/L	0.50U	1.0	08/30/11 12:13	
Tetrachloroethene	ug/L	0.50U	1.0	08/30/11 12:13	
Toluene	ug/L	0.50U	1.0	08/30/11 12:13	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/30/11 12:13	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/30/11 12:13	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/30/11 12:13	
Trichloroethene	ug/L	0.50U	1.0	08/30/11 12:13	
Trichlorofluoromethane	ug/L	0.50U	1.0	08/30/11 12:13	
Vinyl acetate	ug/L	1.0U	2.0	08/30/11 12:13	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

METHOD BLANK: 244956 Matrix: Water

Associated Lab Samples: 3535569007, 3535569008, 3535569009, 3535569010, 3535569011, 3535569012

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	08/30/11 12:13	
Xylene (Total)	ug/L	0.50U	1.0	08/30/11 12:13	
1,2-Dichloroethane-d4 (S)	%	100	86-125	08/30/11 12:13	
4-Bromofluorobenzene (S)	%	101	70-114	08/30/11 12:13	
Dibromofluoromethane (S)	%	101	88-117	08/30/11 12:13	
Toluene-d8 (S)	%	101	87-113	08/30/11 12:13	

LABORATORY CONTROL SAMPLE: 244957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	19.1	95	80-123	
1,1,1-Trichloroethane	ug/L	20	18.3	92	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	19.3	97	72-127	
1,1,2-Trichloroethane	ug/L	20	19.4	97	80-121	
1,1-Dichloroethane	ug/L	20	19.1	96	80-122	
1,1-Dichloroethene	ug/L	20	18.8	94	74-114	
1,2,3-Trichloropropane	ug/L	20	20.1	101	73-123	
1,2-Dichlorobenzene	ug/L	20	19.0	95	80-120	
1,2-Dichloroethane	ug/L	20	19.6	98	80-120	
1,2-Dichloropropane	ug/L	20	18.8	94	80-120	
1,4-Dichlorobenzene	ug/L	20	19.5	97	83-120	
2-Butanone (MEK)	ug/L	20	20.7	104	55-167	
2-Hexanone	ug/L	20	21.9	110	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	20.0	100	75-122	
Acetone	ug/L	20	24.2	121	40-150	
Acrylonitrile	ug/L	200	216	108	77-128	
Benzene	ug/L	20	19.9	99	80-123	
Bromochloromethane	ug/L	20	20.6	103	80-120	
Bromodichloromethane	ug/L	20	20.1	100	80-123	
Bromoform	ug/L	20	19.8	99	68-121	
Bromomethane	ug/L	20	19.6	98	38-179	
Carbon disulfide	ug/L	20	10.1	50	51-155	J(IC),J(L0)
Carbon tetrachloride	ug/L	20	19.3	97	79-122	
Chlorobenzene	ug/L	20	19.2	96	80-120	
Chloroethane	ug/L	20	19.6	98	59-149	
Chloroform	ug/L	20	19.0	95	79-120	
Chloromethane	ug/L	20	17.0	85	68-140	
cis-1,2-Dichloroethene	ug/L	20	19.6	98	80-120	
cis-1,3-Dichloropropene	ug/L	20	20.5	103	80-126	
Dibromochloromethane	ug/L	20	19.8	99	76-122	
Dibromomethane	ug/L	20	19.6	98	81-122	
Ethylbenzene	ug/L	20	19.6	98	80-120	
Iodomethane	ug/L	20	17.2	86	43-160	
Methylene Chloride	ug/L	20	19.2	96	75-127	
Styrene	ug/L	20	19.4	97	80-122	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

LABORATORY CONTROL SAMPLE: 244957

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	17.7	88	66-133	
Toluene	ug/L	20	20.0	100	80-117	
trans-1,2-Dichloroethene	ug/L	20	19.5	97	80-122	
trans-1,3-Dichloropropene	ug/L	20	19.6	98	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	19.6	98	65-125	
Trichloroethene	ug/L	20	19.2	96	80-120	
Trichlorofluoromethane	ug/L	20	19.4	97	72-131	
Vinyl acetate	ug/L	20	24.3	121	69-135	
Vinyl chloride	ug/L	20	20.0	100	69-140	
Xylene (Total)	ug/L	60	57.5	96	80-120	
1,2-Dichloroethane-d4 (S)	%			100	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Dibromofluoromethane (S)	%			101	88-117	
Toluene-d8 (S)	%			103	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244958 244959

Parameter	Units	3535569007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	18.7	17.9	94	90	39-130	4	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	19.4	19.1	97	96	47-141	1	40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20	17.7	16.4	88	82	49-131	7	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	18.6	17.5	93	88	50-130	6	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	19.7	18.9	99	95	54-137	4	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	19.0	19.6	95	98	45-155	3	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	17.9	16.7	90	83	31-132	7	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	15.6	16.8	78	84	43-130	7	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	19.7	18.3	98	91	54-130	8	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	18.7	17.9	94	90	53-130	4	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	15.1	17.0	75	85	38-130	12	40	
2-Butanone (MEK)	ug/L	5.0U	20	20	12.6	11.2	63	56	48-138	12	40	
2-Hexanone	ug/L	5.0U	20	20	16.3	15.9	81	79	38-130	3	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	16.3	15.7	82	78	28-143	4	40	
Acetone	ug/L	11.8	20	20	27.0	26.6	76	74	20-140	1	40	
Acrylonitrile	ug/L	5.0U	200	200	184	179	92	90	46-130	2	40	
Benzene	ug/L	0.50U	20	20	19.7	19.2	98	96	53-132	2	40	
Bromochloromethane	ug/L	0.50U	20	20	21.1	18.3	106	92	54-132	14	40	
Bromodichloromethane	ug/L	0.27U	20	20	19.7	18.4	99	92	46-130	7	40	
Bromoform	ug/L	0.50U	20	20	18.3	17.6	92	88	32-130	4	40	
Bromomethane	ug/L	0.50U	20	20	17.0	19.2	85	96	20-152	12	40	
Carbon disulfide	ug/L	5.0U	20	20	17.4	19.5	87	98	28-184	12	40	
Carbon tetrachloride	ug/L	0.50U	20	20	19.1	19.5	96	98	37-137	2	40	
Chlorobenzene	ug/L	0.50U	20	20	17.4	18.2	87	91	46-130	4	40	
Chloroethane	ug/L	0.50U	20	20	19.9	22.6	100	113	48-159	13	40	
Chloroform	ug/L	0.50U	20	20	19.6	18.4	98	92	51-130	6	40	
Chloromethane	ug/L	0.62U	20	20	17.1	19.2	85	95	39-144	12	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	19.1	18.4	96	92	54-130	4	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3535569

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244958 244959

Parameter	Units	3535569007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	19.2	17.7	96	89	45-130	8	40	
Dibromochloromethane	ug/L	0.26U	20	20	18.6	17.3	93	87	43-130	7	40	
Dibromomethane	ug/L	0.50U	20	20	18.9	17.7	95	89	50-130	7	40	
Ethylbenzene	ug/L	0.50U	20	20	17.6	18.7	88	93	43-130	6	40	
Iodomethane	ug/L	0.50U	20	20	20.4	17.7	102	88	20-169	14	40	
Methylene Chloride	ug/L	2.5U	20	20	18.6	17.9	92	89	51-135	4	40	
Styrene	ug/L	0.50U	20	20	17.6	18.0	88	90	40-130	2	40	
Tetrachloroethene	ug/L	0.50U	20	20	12.7	16.5	63	82	26-130	26	40	
Toluene	ug/L	0.50U	20	20	18.7	19.0	94	95	50-130	2	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	18.3	18.9	92	94	48-142	3	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	18.6	17.4	93	87	45-130	6	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	16.4	15.6	82	78	20-139	5	40	
Trichloroethene	ug/L	0.50U	20	20	17.7	18.7	88	94	42-133	6	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	18.3	23.1	92	116	46-146	23	40	
Vinyl acetate	ug/L	1.0U	20	20	27.1	26.7	135	134	20-165	1	40	
Vinyl chloride	ug/L	0.50U	20	20	18.9	23.4	95	117	57-142	21	40	
Xylene (Total)	ug/L	0.50U	60	60	51.1	54.9	84	91	42-130	7	40	
1,2-Dichloroethane-d4 (S)	%						97	95	86-125			
4-Bromofluorobenzene (S)	%						101	101	70-114			
Dibromofluoromethane (S)	%						101	101	88-117			
Toluene-d8 (S)	%						101	100	87-113			

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

QUALIFIERS

Project: Resource Recovery
Pace Project No.: 3535569

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(IC)	Estimated Value. The initial calibration for this compound was outside of method control limits. The result is estimated.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
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.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.
N2	The lab does not hold TNI accreditation for this parameter.

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery
Pace Project No.: 3535569

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3535569001	**4MW-4**	EPA 8011	OEXT/5423	EPA 8011	GCSV/4068
3535569002	**2MW-19D**	EPA 8011	OEXT/5423	EPA 8011	GCSV/4068
3535569003	**4MW-6**	EPA 8011	OEXT/5423	EPA 8011	GCSV/4068
3535569004	**4MW-2**	EPA 8011	OEXT/5447	EPA 8011	GCSV/4093
3535569005	**2MW-2**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4127
3535569006	**4MW-5**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4127
3535569007	**2MW-17S**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4137
3535569008	**2MW-18D**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4137
3535569009	**4MW-11D**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4137
3535569010	**4MW-12D**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4137
3535569011	**4MW-13D**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4137
3535569012	**4MW-14D**	EPA 8011	OEXT/5504	EPA 8011	GCSV/4137
3535569001	**4MW-4**	EPA 3010	MPRP/5435	EPA 6010	ICP/3838
3535569002	**2MW-19D**	EPA 3010	MPRP/5435	EPA 6010	ICP/3838
3535569003	**4MW-6**	EPA 3010	MPRP/5435	EPA 6010	ICP/3838
3535569004	**4MW-2**	EPA 3010	MPRP/5575	EPA 6010	ICP/3908
3535569005	**2MW-2**	EPA 3010	MPRP/5575	EPA 6010	ICP/3908
3535569006	**4MW-5**	EPA 3010	MPRP/5575	EPA 6010	ICP/3908
3535569007	**2MW-17S**	EPA 3010	MPRP/5585	EPA 6010	ICP/3914
3535569008	**2MW-18D**	EPA 3010	MPRP/5585	EPA 6010	ICP/3914
3535569009	**4MW-11D**	EPA 3010	MPRP/5585	EPA 6010	ICP/3914
3535569010	**4MW-12D**	EPA 3010	MPRP/5585	EPA 6010	ICP/3914
3535569011	**4MW-13D**	EPA 3010	MPRP/5585	EPA 6010	ICP/3914
3535569012	**4MW-14D**	EPA 3010	MPRP/5585	EPA 6010	ICP/3914
3535569001	**4MW-4**	EPA 3010	MPRP/5434	EPA 6020	ICPM/2518
3535569002	**2MW-19D**	EPA 3010	MPRP/5434	EPA 6020	ICPM/2518
3535569003	**4MW-6**	EPA 3010	MPRP/5434	EPA 6020	ICPM/2518
3535569004	**4MW-2**	EPA 3010	MPRP/5494	EPA 6020	ICPM/2535
3535569005	**2MW-2**	EPA 3010	MPRP/5494	EPA 6020	ICPM/2535
3535569006	**4MW-5**	EPA 3010	MPRP/5494	EPA 6020	ICPM/2535
3535569007	**2MW-17S**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3535569008	**2MW-18D**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3535569009	**4MW-11D**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3535569010	**4MW-12D**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3535569011	**4MW-13D**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3535569012	**4MW-14D**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3535569001	**4MW-4**	EPA 8260	MSV/3487		
3535569002	**2MW-19D**	EPA 8260	MSV/3487		
3535569003	**4MW-6**	EPA 8260	MSV/3487		
3535569004	**4MW-2**	EPA 8260	MSV/3488		
3535569005	**2MW-2**	EPA 8260	MSV/3488		
3535569006	**4MW-5**	EPA 8260	MSV/3488		
3535569007	**2MW-17S**	EPA 8260	MSV/3550		

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

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery
Pace Project No.: 3535569

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3535569008	**2MW-18D**	EPA 8260	MSV/3550		
3535569009	**4MW-11D**	EPA 8260	MSV/3550		
3535569010	**4MW-12D**	EPA 8260	MSV/3550		
3535569011	**4MW-13D**	EPA 8260	MSV/3550		
3535569012	**4MW-14D**	EPA 8260	MSV/3550		

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3535569

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1419816

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8869 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test: Apr. Metals	Analysis Test: 8011	Analysis Test: 8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-4 @ Res. Rec	OT	G	—	—	8/10/11	1047		6	X		X	X					1	2	3		
2	2MW-19D @ Res. Rec.	OT	G	—	—	8/10/11	1240		6	X		X	X					1	2	3		
3	4MW-6 @ Res. Rec	OT	G	—	—	8/10/11	1517		6	X		X	X					1	2	3		
4																						
5																						Sent to
6																						PACE Lab
7																						8/11/11
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	[signature]	8/10/11	1600	[signature]	08/10/11	1600				
	[signature]	8/11/11	1500	[signature] Pace	8-11-11	1500	3.1	Y	N	Y
	BSC	8/12-11	2200	[signature]	8/12/11	0900	-15	Y		

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

ORIGINAL

SAMPLER NAME AND SIGNATURE: TTS

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/10/11

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

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: PASCO CO Project # 5535569

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Date and Initials of person examining contents: K.A. 8/13/11

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T73 Type of Ice: (Wet) Blue None

Cooler Temperature °C -1.1 (Visual) -0.4 (Correction Factor) -1.5 (Actual)

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen?

☑ Yes ☐ No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/15/2011

Finished Product Information Only

F.P. Sample ID: _____

Production Code: _____

Date/Time Opened: _____

Number of Unopened Bottles Remaining: _____

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:

Extra Sample in Shed: Yes No

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CHAIN-OF-CUSTODY / Analytical Request Document

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

3535569

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1439559

Section A Required Client Information:

Company: Pasco County Env. Lab.
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7178478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): App I Metals	8011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-2 @ Res. Rec.	GT	G	—	—	8/11/11	1042		6	X		X	X					1	2	3		
2	2MW-2 @ Res. Rec.	GT	G	—	—	8/11/11	1214		6	X		X	X					1	2	3		
3	4MW-5 @ Res. Rec.	GT	G	—	—	8/11/11	1516		6	X		X	X					1	2	3		
4																						Sent to PACE Lab 8/15/11
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
SAMPLING NOT EMPTY	[signature]	8/10	10:00	[signature]	8/11/11	0700
	[signature]	8/11/11	1550	[signature]	8/11/11	15:50
	[signature]	8/15/11	1548	[signature]	8/15/11	1548
	DSC	8/16/11	2200	[signature]	8/17/11	0730

SAMPLE CONDITIONS

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/11/11

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

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: PASCO Project # 3535569

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date and Initials of person examining contents: JP 8/17/11

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other _____

Thermometer Used T-39 Type of Ice: (Wet) Blue None

Cooler Temperature°C 1.3 (Visual) 1.0 (Correction Factor) 0.3 (Actual)

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen? ☐Yes ☐No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/16/2011

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: _____

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CHAIN-OF-CUSTODY / Analytical Request Document

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35 35569

Page: of

1439558

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N)	8011	8260	App I metals	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	2MW-17S @ Res. Rec.	OT	G	—	—	8/16/11	1009		6	X		X	X						2	3	1		
2	2MW-18D @ Res. Rec.	OT	G	—	—	8/16/11	1206		6	X		X	X						2	3	1		
3	4MW-11D @ Res. Rec.	OT	G	—	—	8/16/11	1346		6	X		X	X						2	3	1		
4																							
5																							Sent to
6																							PACE Lab
7																							8/18/11
8																							
9																							
10																							
11																							
12																							

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SAMPLING ACTIVITY	[signature]	11/10	1010	[signature]	8/16/11	0900	
	[signature]	8/16/11	1600	[signature]	8/16/11	1600	
	[signature]	8/18/11	1515	[signature] Pace	8/18/11	1515	5.0 Y ω y
	BSC	8-19-11	22	Paula Schulfort 8-2011	9:30	0.7 Y	

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/16/11

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

F-ALL-Q-020rev.07, 15-May-2007

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CHAIN-OF-CUSTODY / Analytical Request Document

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

3535569

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1439636

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Appl. Metals Soil	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-12D @ Res. Rec.	OT	G	—	—	8/17/11	1142		6	X		X	X					1 1	2 3		10
2	4MW-13D @ Res. Rec.	OT	G	—	—	8/17/11	1322		6	X		X	X					1 1	2 3		11
3	4MW-14D @ Res. Rec.	OT	G	—	—	8/17/11	1541		6	X		X	X					1 1	2 3		12
4																					Sent to PACE Lab 8/18/11
5																					
6																					
7																					
8																					
9																					
10																					
11																					
12																					

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
SAMPLING EMPTY	[signature]	11/12	1230	[signature]	8/17/11	0700				
	[signature]	8/17/11	1555	IF	8/17/11	1555				
	[signature]	8/18/11	1515	[signature]	8-18-11	1515	5.0	Y	N	Y
	BSC	8-9-11	2200	[signature]	8-20-11	9:30	-0.7	X		

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/17/11

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

F-ALL-Q-020rev.07, 15-May-2007

T77

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: Pasco Project # 35355569

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☑ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T77 Type of Ice: Wet Blue None

Cooler Temperature °C 0.1 (Visual) -0.6 (Correction Factor) -0.7 (Actual)

Date and Initials of person examining contents: RH 8/20/11

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

Receipt of samples satisfactory: ☐ Yes ☐ No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/22/2011

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: _____

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

September 08, 2011

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

RE: Project: Resource Recovery
Pace Project No.: 3536360

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on August 24, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Sakina Mckenzie

sakina.mckenzie@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Resource Recovery
Pace Project No.: 3536360

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

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(386)672-5668

SAMPLE SUMMARY

Project: Resource Recovery
Pace Project No.: 3536360

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3536360001	**4MW-9**	Water	08/18/11 11:30	08/24/11 08:00
3536360002	**4MW-8**	Water	08/18/11 12:27	08/24/11 08:00
3536360003	**4MW-7**	Water	08/18/11 13:47	08/24/11 08:00
3536360004	**4MW-3A**	Water	08/18/11 15:09	08/24/11 08:00

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SAMPLE ANALYTE COUNT

Project: Resource Recovery
Pace Project No.: 3536360

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3536360001	**4MW-9**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536360002	**4MW-8**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536360003	**4MW-7**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536360004	**4MW-3A**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-9 **Lab ID: 3536360001** Collected: 08/18/11 11:30 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/31/11 16:15	09/01/11 09:40	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	08/31/11 16:15	09/01/11 09:40	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:12	7440-38-2	
Barium	**9.5 I**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:12	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:12	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:12	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:12	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:12	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:12	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:12	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:12	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/25/11 11:00	08/27/11 14:12	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:12	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:12	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/25/11 11:00	08/27/11 14:12	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:35	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:35	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 15:43	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/24/11 15:43	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/24/11 15:43	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 15:43	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/24/11 15:43	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/24/11 15:43	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/24/11 15:43	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/24/11 15:43	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	156-59-2	

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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-9 **Lab ID: 3536360001** Collected: 08/18/11 11:30 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 15:43	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 15:43	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 15:43	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/24/11 15:43	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 15:43	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/24/11 15:43	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/24/11 15:43	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/24/11 15:43	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/24/11 15:43	1330-20-7	
4-Bromofluorobenzene (S)	98	%	70-114		1		08/24/11 15:43	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		08/24/11 15:43	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		08/24/11 15:43	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		08/24/11 15:43	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-8 **Lab ID: 3536360002** Collected: 08/18/11 12:27 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/31/11 16:15	09/01/11 10:26	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	08/31/11 16:15	09/01/11 10:26	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:16	7440-38-2	
Barium	**8.2 I**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:16	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:16	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:16	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:16	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:16	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:16	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:16	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:16	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/25/11 11:00	08/27/11 14:16	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:16	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:16	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/25/11 11:00	08/27/11 14:16	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:40	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:40	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:07	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:07	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/24/11 16:07	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:07	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:07	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/24/11 16:07	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/24/11 16:07	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:07	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	156-59-2	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-8 **Lab ID: 3536360002** Collected: 08/18/11 12:27 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 16:07	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 16:07	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:07	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/24/11 16:07	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:07	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/24/11 16:07	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/24/11 16:07	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/24/11 16:07	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:07	1330-20-7	
4-Bromofluorobenzene (S)	103	%	70-114		1		08/24/11 16:07	460-00-4	
Dibromofluoromethane (S)	102	%	88-117		1		08/24/11 16:07	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		08/24/11 16:07	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		08/24/11 16:07	2037-26-5	

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

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-7 **Lab ID: 3536360003** Collected: 08/18/11 13:47 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/31/11 16:15	09/01/11 10:42	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	08/31/11 16:15	09/01/11 10:42	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:20	7440-38-2	
Barium	**9.2 I**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:20	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:20	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:20	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:20	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:20	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:20	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:20	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:20	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/25/11 11:00	08/27/11 14:20	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:20	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:20	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/25/11 11:00	08/27/11 14:20	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:42	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:42	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:31	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:31	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/24/11 16:31	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:31	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:31	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/24/11 16:31	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/24/11 16:31	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:31	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	156-59-2	

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(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-7 **Lab ID: 3536360003** Collected: 08/18/11 13:47 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 16:31	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 16:31	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:31	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/24/11 16:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:31	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/24/11 16:31	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/24/11 16:31	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/24/11 16:31	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:31	1330-20-7	
4-Bromofluorobenzene (S)	100	%	70-114		1		08/24/11 16:31	460-00-4	
Dibromofluoromethane (S)	103	%	88-117		1		08/24/11 16:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		08/24/11 16:31	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		08/24/11 16:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-3A **Lab ID: 3536360004** Collected: 08/18/11 15:09 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	08/31/11 16:15	09/01/11 10:57	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	08/31/11 16:15	09/01/11 10:57	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:24	7440-38-2	
Barium	**11.3**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:24	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:24	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/25/11 11:00	08/27/11 14:24	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:24	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:24	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:24	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:24	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:24	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/25/11 11:00	08/27/11 14:24	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/25/11 11:00	08/27/11 14:24	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/25/11 11:00	08/27/11 14:24	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/25/11 11:00	08/27/11 14:24	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:44	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/24/11 11:00	08/28/11 08:44	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:55	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:55	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/24/11 16:55	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:55	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:55	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/24/11 16:55	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/24/11 16:55	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:55	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	75-35-4	
cis-1,2-Dichloroethene	**1.2**	ug/L	1.0	0.50	1		08/24/11 16:55	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536360

Sample: 4MW-3A **Lab ID: 3536360004** Collected: 08/18/11 15:09 Received: 08/24/11 08:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 16:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/24/11 16:55	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:55	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/24/11 16:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/24/11 16:55	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/24/11 16:55	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/24/11 16:55	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/24/11 16:55	108-05-4	
Vinyl chloride	**7.9**	ug/L	1.0	0.50	1		08/24/11 16:55	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/24/11 16:55	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-114		1		08/24/11 16:55	460-00-4	
Dibromofluoromethane (S)	100	%	88-117		1		08/24/11 16:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		08/24/11 16:55	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		08/24/11 16:55	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

QC Batch: OEXT/5551 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

METHOD BLANK: 245161 Matrix: Water
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	09/01/11 09:10	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	09/01/11 09:10	

LABORATORY CONTROL SAMPLE: 245162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.30	122	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.29	116	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 245434 245435

Parameter	Units	3536360001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	.44	.44	0.52	0.50	119	115	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.56	0.54	129	123	60-140	4	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

QC Batch: MPRP/5542 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

METHOD BLANK: 242639 | Matrix: Water
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/27/11 12:58	
Barium	ug/L	5.0U	10.0	08/27/11 12:58	
Beryllium	ug/L	0.50U	1.0	08/27/11 12:58	
Cadmium	ug/L	0.50U	1.0	08/27/11 12:58	
Chromium	ug/L	2.5U	5.0	08/27/11 12:58	
Cobalt	ug/L	5.0U	10.0	08/27/11 12:58	
Copper	ug/L	2.5U	5.0	08/27/11 12:58	
Lead	ug/L	5.0U	10.0	08/27/11 12:58	
Nickel	ug/L	2.5U	5.0	08/27/11 12:58	
Selenium	ug/L	7.5U	15.0	08/27/11 12:58	
Silver	ug/L	2.5U	5.0	08/27/11 12:58	
Vanadium	ug/L	5.0U	10.0	08/27/11 12:58	
Zinc	ug/L	10.0U	20.0	08/27/11 12:58	

LABORATORY CONTROL SAMPLE: 242640

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	257	103	80-120	
Barium	ug/L	250	257	103	80-120	
Beryllium	ug/L	25	24.9	100	80-120	
Cadmium	ug/L	25	26.2	105	80-120	
Chromium	ug/L	250	263	105	80-120	
Cobalt	ug/L	250	269	107	80-120	
Copper	ug/L	250	254	102	80-120	
Lead	ug/L	250	245	98	80-120	
Nickel	ug/L	250	274	110	80-120	
Selenium	ug/L	250	268	107	80-120	
Silver	ug/L	25	26.0	104	80-120	
Vanadium	ug/L	250	256	102	80-120	
Zinc	ug/L	1250	1260	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242641 242642

Parameter	Units	3536366006 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	259	266	103	106	75-125	3	20	
Barium	ug/L	50.3	250	250	307	309	103	103	75-125	.7	20	
Beryllium	ug/L	0.50U	25	25	24.9	25.0	100	100	75-125	.2	20	
Cadmium	ug/L	0.50U	25	25	26.3	26.6	105	106	75-125	1	20	
Chromium	ug/L	2.5U	250	250	265	270	106	107	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242641 242642

Parameter	Units	3536366006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	268	271	107	108	75-125	1	20	
Copper	ug/L	2.5U	250	250	251	252	100	101	75-125	.4	20	
Lead	ug/L	5.0U	250	250	247	247	99	99	75-125	.2	20	
Nickel	ug/L	2.5U	250	250	276	282	110	112	75-125	2	20	
Selenium	ug/L	7.5U	250	250	267	274	107	109	75-125	2	20	
Silver	ug/L	2.5U	25	25	25.6	26.2	102	105	75-125	2	20	
Vanadium	ug/L	5.0U	250	250	259	262	104	105	75-125	1	20	
Zinc	ug/L	10.0U	1250	1250	1250	1260	100	101	75-125	.9	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

QC Batch: MPRP/5541 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

METHOD BLANK: 242635 | Matrix: Water
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	08/28/11 08:05	
Thallium	ug/L	0.50U	1.0	08/28/11 08:05	

LABORATORY CONTROL SAMPLE: 242636

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	47.0	94	90-110	
Thallium	ug/L	50	48.1	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242637 242638

Parameter	Units	3536366002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	45.7	46.3	91	93	70-130	1	20	
Thallium	ug/L	0.50U	50	50	47.9	48.4	96	97	70-130	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

QC Batch: MSV/3518 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

METHOD BLANK: 242495 Matrix: Water
Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/24/11 11:14	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/24/11 11:14	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	08/24/11 11:14	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/24/11 11:14	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/24/11 11:14	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/24/11 11:14	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/24/11 11:14	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/24/11 11:14	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/24/11 11:14	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/24/11 11:14	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/24/11 11:14	
2-Butanone (MEK)	ug/L	5.0U	10.0	08/24/11 11:14	
2-Hexanone	ug/L	5.0U	10.0	08/24/11 11:14	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/24/11 11:14	
Acetone	ug/L	5.0U	10.0	08/24/11 11:14	
Acrylonitrile	ug/L	5.0U	10.0	08/24/11 11:14	
Benzene	ug/L	0.50U	1.0	08/24/11 11:14	
Bromochloromethane	ug/L	0.50U	1.0	08/24/11 11:14	
Bromodichloromethane	ug/L	0.27U	0.60	08/24/11 11:14	
Bromoform	ug/L	0.50U	1.0	08/24/11 11:14	
Bromomethane	ug/L	0.50U	1.0	08/24/11 11:14	
Carbon disulfide	ug/L	5.0U	10.0	08/24/11 11:14	
Carbon tetrachloride	ug/L	0.50U	1.0	08/24/11 11:14	
Chlorobenzene	ug/L	0.50U	1.0	08/24/11 11:14	
Chloroethane	ug/L	0.50U	1.0	08/24/11 11:14	
Chloroform	ug/L	0.50U	1.0	08/24/11 11:14	
Chloromethane	ug/L	0.62U	1.0	08/24/11 11:14	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/24/11 11:14	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/24/11 11:14	
Dibromochloromethane	ug/L	0.26U	0.50	08/24/11 11:14	
Dibromomethane	ug/L	0.50U	1.0	08/24/11 11:14	
Ethylbenzene	ug/L	0.50U	1.0	08/24/11 11:14	
Iodomethane	ug/L	0.50U	1.0	08/24/11 11:14	
Methylene Chloride	ug/L	2.5U	5.0	08/24/11 11:14	
Styrene	ug/L	0.50U	1.0	08/24/11 11:14	
Tetrachloroethene	ug/L	0.50U	1.0	08/24/11 11:14	
Toluene	ug/L	0.50U	1.0	08/24/11 11:14	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/24/11 11:14	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/24/11 11:14	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/24/11 11:14	
Trichloroethene	ug/L	0.50U	1.0	08/24/11 11:14	
Trichlorofluoromethane	ug/L	0.50U	1.0	08/24/11 11:14	
Vinyl acetate	ug/L	1.0U	2.0	08/24/11 11:14	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

METHOD BLANK: 242495 Matrix: Water

Associated Lab Samples: 3536360001, 3536360002, 3536360003, 3536360004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	08/24/11 11:14	
Xylene (Total)	ug/L	0.50U	1.0	08/24/11 11:14	
1,2-Dichloroethane-d4 (S)	%	98	86-125	08/24/11 11:14	
4-Bromofluorobenzene (S)	%	101	70-114	08/24/11 11:14	
Dibromofluoromethane (S)	%	100	88-117	08/24/11 11:14	
Toluene-d8 (S)	%	99	87-113	08/24/11 11:14	

LABORATORY CONTROL SAMPLE: 242496

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	21.3	106	80-123	
1,1,1-Trichloroethane	ug/L	20	21.3	107	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	21.0	105	72-127	
1,1,2-Trichloroethane	ug/L	20	21.3	107	80-121	
1,1-Dichloroethane	ug/L	20	21.1	105	80-122	
1,1-Dichloroethene	ug/L	20	21.8	109	74-114	
1,2,3-Trichloropropane	ug/L	20	21.1	105	73-123	
1,2-Dichlorobenzene	ug/L	20	21.7	109	80-120	
1,2-Dichloroethane	ug/L	20	21.2	106	80-120	
1,2-Dichloropropane	ug/L	20	22.1	111	80-120	
1,4-Dichlorobenzene	ug/L	20	22.1	110	83-120	
2-Butanone (MEK)	ug/L	20	21.0	105	55-167	
2-Hexanone	ug/L	20	22.8	114	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.3	106	75-122	
Acetone	ug/L	20	23.0	115	40-150	
Acrylonitrile	ug/L	200	226	113	77-128	
Benzene	ug/L	20	22.1	110	80-123	
Bromochloromethane	ug/L	20	21.0	105	80-120	
Bromodichloromethane	ug/L	20	21.9	109	80-123	
Bromoform	ug/L	20	22.3	111	68-121	
Bromomethane	ug/L	20	19.3	96	38-179	
Carbon disulfide	ug/L	20	18.1	90	51-155	
Carbon tetrachloride	ug/L	20	21.4	107	79-122	
Chlorobenzene	ug/L	20	22.1	110	80-120	
Chloroethane	ug/L	20	20.6	103	59-149	
Chloroform	ug/L	20	20.9	104	79-120	
Chloromethane	ug/L	20	17.6	88	68-140	
cis-1,2-Dichloroethene	ug/L	20	21.9	110	80-120	
cis-1,3-Dichloropropene	ug/L	20	22.3	111	80-126	
Dibromochloromethane	ug/L	20	21.5	108	76-122	
Dibromomethane	ug/L	20	20.4	102	81-122	
Ethylbenzene	ug/L	20	22.7	114	80-120	
Iodomethane	ug/L	20	21.5	107	43-160	
Methylene Chloride	ug/L	20	21.0	105	75-127	
Styrene	ug/L	20	22.1	111	80-122	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

LABORATORY CONTROL SAMPLE: 242496

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	18.3	91	66-133	
Toluene	ug/L	20	23.3	116	80-117	
trans-1,2-Dichloroethene	ug/L	20	22.0	110	80-122	
trans-1,3-Dichloropropene	ug/L	20	22.6	113	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	20.1	101	65-125	
Trichloroethene	ug/L	20	20.6	103	80-120	
Trichlorofluoromethane	ug/L	20	19.9	100	72-131	
Vinyl acetate	ug/L	20	21.2	106	69-135	
Vinyl chloride	ug/L	20	19.4	97	69-140	
Xylene (Total)	ug/L	60	66.4	111	80-120	
1,2-Dichloroethane-d4 (S)	%			98	86-125	
4-Bromofluorobenzene (S)	%			101	70-114	
Dibromofluoromethane (S)	%			100	88-117	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242497 242498

Parameter	Units	3536303005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	17.6	21.6	88	108	39-130	20	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	18.4	23.4	92	117	47-141	24	40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20	16.9	21.2	84	106	49-131	23	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	17.2	21.0	86	105	50-130	20	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	17.9	22.0	89	110	54-137	20	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	17.0	22.6	85	113	45-155	28	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	16.3	20.3	82	101	31-132	22	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	15.3	20.9	77	105	43-130	31	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	17.9	21.9	89	110	54-130	20	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	17.4	21.7	87	109	53-130	22	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	14.2	20.8	71	104	38-130	38	40	
2-Butanone (MEK)	ug/L	5.0U	20	20	13.7	16.6	68	83	48-138	19	40	
2-Hexanone	ug/L	5.0U	20	20	16.0	19.3	80	96	38-130	19	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	16.1	19.5	80	97	28-143	19	40	
Acetone	ug/L	5.0U	20	20	10.4	11.7	52	58	20-140	11	40	
Acrylonitrile	ug/L	5.0U	200	200	191	210	95	105	46-130	10	40	
Benzene	ug/L	0.50U	20	20	18.3	22.5	91	112	53-132	21	40	
Bromochloromethane	ug/L	0.50U	20	20	17.2	20.8	86	104	54-132	19	40	
Bromodichloromethane	ug/L	0.27U	20	20	17.4	20.9	87	105	46-130	18	40	
Bromoform	ug/L	0.50U	20	20	17.4	21.8	87	109	32-130	22	40	
Bromomethane	ug/L	0.50U	20	20	15.4	18.7	77	94	20-152	20	40	
Carbon disulfide	ug/L	5.0U	20	20	16.2	22.0	81	110	28-184	30	40	
Carbon tetrachloride	ug/L	0.50U	20	20	17.2	22.9	86	114	37-137	28	40	
Chlorobenzene	ug/L	0.50U	20	20	16.2	21.5	81	107	46-130	28	40	
Chloroethane	ug/L	0.50U	20	20	18.9	22.2	94	111	48-159	16	40	
Chloroform	ug/L	0.50U	20	20	17.2	21.2	86	106	51-130	21	40	
Chloromethane	ug/L	0.62U	20	20	17.4	21.1	87	105	39-144	19	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	18.3	22.8	92	114	54-130	22	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536360

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242497 242498

Parameter	Units	3536303005 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	17.5	21.1	87	106	45-130	19	40	
Dibromochloromethane	ug/L	0.26U	20	20	16.6	20.8	83	104	43-130	23	40	
Dibromomethane	ug/L	0.50U	20	20	16.8	21.0	84	105	50-130	23	40	
Ethylbenzene	ug/L	0.50U	20	20	16.4	22.5	82	112	43-130	31	40	
Iodomethane	ug/L	0.50U	20	20	15.8	19.1	79	96	20-169	19	40	
Methylene Chloride	ug/L	2.5U	20	20	17.3	20.7	86	104	51-135	18	40	
Styrene	ug/L	0.50U	20	20	16.5	21.7	82	108	40-130	27	40	
Tetrachloroethene	ug/L	0.50U	20	20	10.6	17.7	53	88	26-130	50	40	J(D6)
Toluene	ug/L	0.50U	20	20	16.6	23.4	83	117	50-130	34	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	16.7	22.3	84	112	48-142	29	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	16.9	21.3	84	106	45-130	23	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	15.9	19.0	80	95	20-139	18	40	
Trichloroethene	ug/L	0.50U	20	20	15.7	21.5	79	108	42-133	31	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	13.7	19.7	69	98	46-146	36	40	
Vinyl acetate	ug/L	1.0U	20	20	9.9	19.5	49	98	20-165	65	40	J(D6)
Vinyl chloride	ug/L	0.50U	20	20	25.5	30.0	128	150	57-142	16	40	J(M1)
Xylene (Total)	ug/L	0.50U	60	60	48.5	65.7	81	109	42-130	30	40	
1,2-Dichloroethane-d4 (S)	%						101	100	86-125			
4-Bromofluorobenzene (S)	%						101	101	70-114			
Dibromofluoromethane (S)	%						102	99	88-117			
Toluene-d8 (S)	%						100	99	87-113			

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: Resource Recovery
Pace Project No.: 3536360

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(M1)	Estimated Value. Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery
Pace Project No.: 3536360

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3536360001	**4MW-9**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536360002	**4MW-8**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536360003	**4MW-7**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536360004	**4MW-3A**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536360001	**4MW-9**	EPA 3010	MPRP/5542	EPA 6010	ICP/3898
3536360002	**4MW-8**	EPA 3010	MPRP/5542	EPA 6010	ICP/3898
3536360003	**4MW-7**	EPA 3010	MPRP/5542	EPA 6010	ICP/3898
3536360004	**4MW-3A**	EPA 3010	MPRP/5542	EPA 6010	ICP/3898
3536360001	**4MW-9**	EPA 3010	MPRP/5541	EPA 6020	ICPM/2547
3536360002	**4MW-8**	EPA 3010	MPRP/5541	EPA 6020	ICPM/2547
3536360003	**4MW-7**	EPA 3010	MPRP/5541	EPA 6020	ICPM/2547
3536360004	**4MW-3A**	EPA 3010	MPRP/5541	EPA 6020	ICPM/2547
3536360001	**4MW-9**	EPA 8260	MSV/3518		
3536360002	**4MW-8**	EPA 8260	MSV/3518		
3536360003	**4MW-7**	EPA 8260	MSV/3518		
3536360004	**4MW-3A**	EPA 8260	MSV/3518		

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3536360

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CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: of

1439635

Section A Required Client Information:

Company: Pasco County Env Lab
Address: 8864 Government Dr.
New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): App. I Metals	8011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-9 @ Res. Rec.	OT	G	—	—	8/18/11	1130		6	X		X	X					1	2	3		
2	4MW-8 @ Res. Rec.	OT	G	—	—	8/18/11	1227		6	X		X	X					1	2	3		
3	4MW-7 @ Res. Rec.	OT	G	—	—	8/18/11	1347		6	X		X	X					1	2	3		
4	4MW-3A @ Res. Rec.	OT	G	—	—	8/18/11	1509		6	X		X	X					1	2	3		
5																						Sent to PACE Lab 8/22/11
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
SAMPLING KIT-EMPTY	[signature]	11/12	1200	[signature]	8/18/11	0900
	W. Martfeld	8/18/11	1540	amc	8/18/11	15:40
	[signature]	8/22/11	1500	[signature] PAC	8-22-11	1500
	BSC	8/23/11	2200	Paula Lightfoot	8-24-11	8:00

SAMPLE CONDITIONS	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	1.1	X		

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/18/11

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.

F-ALL-Q-020rev.07, 15-May-2007

T73

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: PASCO Project # 3536360

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☒ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☒ no Seals intact: ☐ yes ☐ no

Date and initials of person examining contents: 8-24-11 PL

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T73 Type of Ice: (Wet) Blue None

Cooler Temperature °C 1.5 (Visual) -0.4 (Correction Factor) 1.1 (Actual)

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/24/2011

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: _____

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

September 07, 2011

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

RE: Project: Resource Recovery
Pace Project No.: 3536434

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on August 25, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Sakina Mckenzie

sakina.mckenzie@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Resource Recovery
Pace Project No.: 3536434

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

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SAMPLE SUMMARY

Project: Resource Recovery
Pace Project No.: 3536434

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3536434001	**4MW-27D@ Res. Rec.**	Water	08/22/11 12:05	08/25/11 06:30
3536434002	**4MW-27@ Res. Rec.**	Water	08/22/11 14:14	08/25/11 06:30
3536434003	**2MW-27D@ Res. Rec.**	Water	08/22/11 15:14	08/25/11 06:30

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SAMPLE ANALYTE COUNT

Project: Resource Recovery
Pace Project No.: 3536434

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3536434001	**4MW-27D@ Res. Rec.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536434002	**4MW-27@ Res. Rec.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536434003	**2MW-27D@ Res. Rec.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	JAS	2	PASI-O
		EPA 8260	ABD	49	PASI-O

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536434

Sample: 4MW-27D@ Res. Rec. **Lab ID: 3536434001** Collected: 08/22/11 12:05 Received: 08/25/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	08/31/11 16:15	09/01/11 11:12	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	08/31/11 16:15	09/01/11 11:12	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:31	7440-38-2	
Barium	**11.3**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:31	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/27/11 18:31	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/27/11 18:31	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:31	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:31	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:31	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:31	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:31	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/26/11 14:00	08/27/11 18:31	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:31	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:31	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/26/11 14:00	08/27/11 18:31	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 20:48	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 20:48	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/25/11 18:44	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/25/11 18:44	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/25/11 18:44	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/25/11 18:44	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/25/11 18:44	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/25/11 18:44	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/25/11 18:44	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/25/11 18:44	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536434

Sample: 4MW-27D@ Res. Rec. **Lab ID: 3536434001** Collected: 08/22/11 12:05 Received: 08/25/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/25/11 18:44	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/25/11 18:44	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/25/11 18:44	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/25/11 18:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/25/11 18:44	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/25/11 18:44	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/25/11 18:44	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/25/11 18:44	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/25/11 18:44	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-114		1		08/25/11 18:44	460-00-4	
Dibromofluoromethane (S)	101	%	88-117		1		08/25/11 18:44	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		08/25/11 18:44	17060-07-0	
Toluene-d8 (S)	99	%	87-113		1		08/25/11 18:44	2037-26-5	

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

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536434

Sample: 4MW-27@ Res. Rec. **Lab ID: 3536434002** Collected: 08/22/11 14:14 Received: 08/25/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	08/31/11 16:15	09/01/11 11:27	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	08/31/11 16:15	09/01/11 11:27	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:35	7440-38-2	
Barium	**26.6**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:35	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/27/11 18:35	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/27/11 18:35	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:35	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:35	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:35	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:35	7439-92-1	
Nickel	**3.8 I**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:35	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/26/11 14:00	08/27/11 18:35	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:35	7440-22-4	
Vanadium	**30.6**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:35	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/26/11 14:00	08/27/11 18:35	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 20:51	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 20:51	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:31	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:31	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/25/11 19:31	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:31	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:31	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/25/11 19:31	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/25/11 19:31	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:31	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	156-59-2	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536434

Sample: 4MW-27@ Res. Rec. **Lab ID: 3536434002** Collected: 08/22/11 14:14 Received: 08/25/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/25/11 19:31	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/25/11 19:31	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:31	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/25/11 19:31	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:31	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/25/11 19:31	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/25/11 19:31	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/25/11 19:31	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:31	1330-20-7	
4-Bromofluorobenzene (S)	97	%	70-114		1		08/25/11 19:31	460-00-4	
Dibromofluoromethane (S)	102	%	88-117		1		08/25/11 19:31	1868-53-7	
1,2-Dichloroethane-d4 (S)	100	%	86-125		1		08/25/11 19:31	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		08/25/11 19:31	2037-26-5	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536434

Sample: 2MW-27D@ Res. Rec. **Lab ID: 3536434003** Collected: 08/22/11 15:14 Received: 08/25/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051U**	ug/L	0.021	0.0051	1	08/31/11 16:15	09/01/11 11:58	96-12-8	
1,2-Dibromoethane (EDB)	**0.0064U**	ug/L	0.010	0.0064	1	08/31/11 16:15	09/01/11 11:58	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:39	7440-38-2	
Barium	**35.0**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:39	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/27/11 18:39	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/27/11 18:39	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:39	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:39	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:39	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:39	7439-92-1	
Nickel	**3.8 I**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:39	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/26/11 14:00	08/27/11 18:39	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/26/11 14:00	08/27/11 18:39	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/26/11 14:00	08/27/11 18:39	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/26/11 14:00	08/27/11 18:39	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 20:53	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/26/11 14:00	08/29/11 20:53	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:55	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:55	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		08/25/11 19:55	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:55	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:55	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	75-00-3	
Chloroform	**0.74 I**	ug/L	1.0	0.50	1		08/25/11 19:55	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		08/25/11 19:55	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		08/25/11 19:55	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:55	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536434

Sample: 2MW-27D@ Res. Rec. **Lab ID: 3536434003** Collected: 08/22/11 15:14 Received: 08/25/11 06:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/25/11 19:55	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		08/25/11 19:55	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:55	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		08/25/11 19:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		08/25/11 19:55	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		08/25/11 19:55	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		08/25/11 19:55	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		08/25/11 19:55	108-05-4	
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		08/25/11 19:55	1330-20-7	
4-Bromofluorobenzene (S)	96	%	70-114		1		08/25/11 19:55	460-00-4	
Dibromofluoromethane (S)	102	%	88-117		1		08/25/11 19:55	1868-53-7	
1,2-Dichloroethane-d4 (S)	101	%	86-125		1		08/25/11 19:55	17060-07-0	
Toluene-d8 (S)	100	%	87-113		1		08/25/11 19:55	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

QC Batch: OEXT/5551 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3536434001, 3536434002, 3536434003

METHOD BLANK: 245161 | Matrix: Water
Associated Lab Samples: 3536434001, 3536434002, 3536434003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	09/01/11 09:10	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	09/01/11 09:10	

LABORATORY CONTROL SAMPLE: 245162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.30	122	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.29	116	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 245434 245435

Parameter	Units	3536360001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	.44	.44	0.52	0.50	119	115	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.56	0.54	129	123	60-140	4	40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

QC Batch: MPRP/5563 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 3536434001, 3536434002, 3536434003

METHOD BLANK: 243274 Matrix: Water
Associated Lab Samples: 3536434001, 3536434002, 3536434003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/27/11 17:37	
Barium	ug/L	5.0U	10.0	08/27/11 17:37	
Beryllium	ug/L	0.50U	1.0	08/27/11 17:37	
Cadmium	ug/L	0.50U	1.0	08/27/11 17:37	
Chromium	ug/L	2.5U	5.0	08/27/11 17:37	
Cobalt	ug/L	5.0U	10.0	08/27/11 17:37	
Copper	ug/L	2.5U	5.0	08/27/11 17:37	
Lead	ug/L	5.0U	10.0	08/27/11 17:37	
Nickel	ug/L	2.5U	5.0	08/27/11 17:37	
Selenium	ug/L	7.5U	15.0	08/27/11 17:37	
Silver	ug/L	2.5U	5.0	08/27/11 17:37	
Vanadium	ug/L	5.0U	10.0	08/27/11 17:37	
Zinc	ug/L	10.0U	20.0	08/27/11 17:37	

LABORATORY CONTROL SAMPLE: 243275

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	264	105	80-120	
Barium	ug/L	250	258	103	80-120	
Beryllium	ug/L	25	24.8	99	80-120	
Cadmium	ug/L	25	26.6	106	80-120	
Chromium	ug/L	250	266	106	80-120	
Cobalt	ug/L	250	269	108	80-120	
Copper	ug/L	250	246	98	80-120	
Lead	ug/L	250	245	98	80-120	
Nickel	ug/L	250	281	112	80-120	
Selenium	ug/L	250	276	110	80-120	
Silver	ug/L	25	25.9	104	80-120	
Vanadium	ug/L	250	259	104	80-120	
Zinc	ug/L	1250	1250	100	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243276 243277

Parameter	Units	3536456004 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	269	270	106	106	75-125	.1	20	
Barium	ug/L	183	250	250	444	441	104	103	75-125	.6	20	
Beryllium	ug/L	0.50U	25	25	23.5	24.4	94	97	75-125	4	20	
Cadmium	ug/L	0.50U	25	25	25.1	25.2	100	101	75-125	.4	20	
Chromium	ug/L	2.5U	250	250	254	263	101	105	75-125	3	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243276 243277

Parameter	Units	3536456004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	263	264	105	106	75-125	.4	20	
Copper	ug/L	2.5U	250	250	235	239	94	96	75-125	2	20	
Lead	ug/L	5.0U	250	250	241	245	96	98	75-125	2	20	
Nickel	ug/L	2.5U	250	250	274	275	109	110	75-125	.5	20	
Selenium	ug/L	7.5U	250	250	267	265	106	105	75-125	.8	20	
Silver	ug/L	2.5U	25	25	25.0	25.9	100	104	75-125	3	20	
Vanadium	ug/L	5.0U	250	250	249	256	100	103	75-125	3	20	
Zinc	ug/L	10.0U	1250	1250	1230	1240	99	99	75-125	.08	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

QC Batch: MPRP/5562 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 3536434001, 3536434002, 3536434003

METHOD BLANK: 243270 Matrix: Water
Associated Lab Samples: 3536434001, 3536434002, 3536434003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	08/29/11 20:12	
Thallium	ug/L	0.50U	1.0	08/29/11 20:12	

LABORATORY CONTROL SAMPLE: 243271

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	48.2	96	90-110	
Thallium	ug/L	50	48.2	96	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 243272 243273

Parameter	Units	3536456002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	1.7	50	50	49.1	49.2	95	95	70-130	.2	20	
Thallium	ug/L	0.50U	50	50	49.0	50.1	97	99	70-130	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

QC Batch: MSV/3522 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3536434001, 3536434002, 3536434003

METHOD BLANK: 242876 Matrix: Water
Associated Lab Samples: 3536434001, 3536434002, 3536434003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	08/25/11 11:36	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	08/25/11 11:36	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	08/25/11 11:36	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	08/25/11 11:36	
1,1-Dichloroethane	ug/L	0.50U	1.0	08/25/11 11:36	
1,1-Dichloroethene	ug/L	0.50U	1.0	08/25/11 11:36	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	08/25/11 11:36	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	08/25/11 11:36	
1,2-Dichloroethane	ug/L	0.50U	1.0	08/25/11 11:36	
1,2-Dichloropropane	ug/L	0.50U	1.0	08/25/11 11:36	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	08/25/11 11:36	
2-Butanone (MEK)	ug/L	5.0U	10.0	08/25/11 11:36	
2-Hexanone	ug/L	5.0U	10.0	08/25/11 11:36	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	08/25/11 11:36	
Acetone	ug/L	5.0U	10.0	08/25/11 11:36	
Acrylonitrile	ug/L	5.0U	10.0	08/25/11 11:36	
Benzene	ug/L	0.50U	1.0	08/25/11 11:36	
Bromochloromethane	ug/L	0.50U	1.0	08/25/11 11:36	
Bromodichloromethane	ug/L	0.27U	0.60	08/25/11 11:36	
Bromoform	ug/L	0.50U	1.0	08/25/11 11:36	
Bromomethane	ug/L	0.50U	1.0	08/25/11 11:36	
Carbon disulfide	ug/L	5.0U	10.0	08/25/11 11:36	
Carbon tetrachloride	ug/L	0.50U	1.0	08/25/11 11:36	
Chlorobenzene	ug/L	0.50U	1.0	08/25/11 11:36	
Chloroethane	ug/L	0.50U	1.0	08/25/11 11:36	
Chloroform	ug/L	0.50U	1.0	08/25/11 11:36	
Chloromethane	ug/L	0.62U	1.0	08/25/11 11:36	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	08/25/11 11:36	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	08/25/11 11:36	
Dibromochloromethane	ug/L	0.26U	0.50	08/25/11 11:36	
Dibromomethane	ug/L	0.50U	1.0	08/25/11 11:36	
Ethylbenzene	ug/L	0.50U	1.0	08/25/11 11:36	
Iodomethane	ug/L	0.50U	1.0	08/25/11 11:36	
Methylene Chloride	ug/L	2.5U	5.0	08/25/11 11:36	
Styrene	ug/L	0.50U	1.0	08/25/11 11:36	
Tetrachloroethene	ug/L	0.50U	1.0	08/25/11 11:36	
Toluene	ug/L	0.50U	1.0	08/25/11 11:36	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	08/25/11 11:36	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	08/25/11 11:36	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	08/25/11 11:36	
Trichloroethene	ug/L	0.50U	1.0	08/25/11 11:36	
Trichlorofluoromethane	ug/L	0.50U	1.0	08/25/11 11:36	
Vinyl acetate	ug/L	1.0U	2.0	08/25/11 11:36	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

METHOD BLANK: 242876 Matrix: Water

Associated Lab Samples: 3536434001, 3536434002, 3536434003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	08/25/11 11:36	
Xylene (Total)	ug/L	0.50U	1.0	08/25/11 11:36	
1,2-Dichloroethane-d4 (S)	%	101	86-125	08/25/11 11:36	
4-Bromofluorobenzene (S)	%	102	70-114	08/25/11 11:36	
Dibromofluoromethane (S)	%	103	88-117	08/25/11 11:36	
Toluene-d8 (S)	%	99	87-113	08/25/11 11:36	

LABORATORY CONTROL SAMPLE: 242877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.9	104	80-123	
1,1,1-Trichloroethane	ug/L	20	20.9	105	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	21.1	105	72-127	
1,1,2-Trichloroethane	ug/L	20	21.1	105	80-121	
1,1-Dichloroethane	ug/L	20	21.1	106	80-122	
1,1-Dichloroethene	ug/L	20	21.8	109	74-114	
1,2,3-Trichloropropane	ug/L	20	21.0	105	73-123	
1,2-Dichlorobenzene	ug/L	20	21.5	108	80-120	
1,2-Dichloroethane	ug/L	20	21.5	108	80-120	
1,2-Dichloropropane	ug/L	20	21.6	108	80-120	
1,4-Dichlorobenzene	ug/L	20	21.3	107	83-120	
2-Butanone (MEK)	ug/L	20	19.9	100	55-167	
2-Hexanone	ug/L	20	22.4	112	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	21.0	105	75-122	
Acetone	ug/L	20	21.1	106	40-150	
Acrylonitrile	ug/L	200	222	111	77-128	
Benzene	ug/L	20	21.6	108	80-123	
Bromochloromethane	ug/L	20	21.2	106	80-120	
Bromodichloromethane	ug/L	20	21.4	107	80-123	
Bromoform	ug/L	20	21.7	109	68-121	
Bromomethane	ug/L	20	19.3	97	38-179	
Carbon disulfide	ug/L	20	14.6	73	51-155	
Carbon tetrachloride	ug/L	20	21.3	106	79-122	
Chlorobenzene	ug/L	20	21.2	106	80-120	
Chloroethane	ug/L	20	21.1	105	59-149	
Chloroform	ug/L	20	20.5	102	79-120	
Chloromethane	ug/L	20	19.3	96	68-140	
cis-1,2-Dichloroethene	ug/L	20	21.1	106	80-120	
cis-1,3-Dichloropropene	ug/L	20	22.3	111	80-126	
Dibromochloromethane	ug/L	20	21.7	108	76-122	
Dibromomethane	ug/L	20	20.6	103	81-122	
Ethylbenzene	ug/L	20	22.1	111	80-120	
Iodomethane	ug/L	20	17.7	89	43-160	
Methylene Chloride	ug/L	20	20.9	104	75-127	
Styrene	ug/L	20	21.5	107	80-122	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

LABORATORY CONTROL SAMPLE: 242877

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	17.9	89	66-133	
Toluene	ug/L	20	22.7	113	80-117	
trans-1,2-Dichloroethene	ug/L	20	21.3	106	80-122	
trans-1,3-Dichloropropene	ug/L	20	22.1	110	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	20.5	102	65-125	
Trichloroethene	ug/L	20	20.7	104	80-120	
Trichlorofluoromethane	ug/L	20	20.6	103	72-131	
Vinyl acetate	ug/L	20	20.1	100	69-135	
Vinyl chloride	ug/L	20	20.4	102	69-140	
Xylene (Total)	ug/L	60	64.8	108	80-120	
1,2-Dichloroethane-d4 (S)	%			100	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Dibromofluoromethane (S)	%			99	88-117	
Toluene-d8 (S)	%			100	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242878 242879

Parameter	Units	3536152001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	16.0	19.0	80	95	39-130	17	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	15.9	20.9	79	104	47-141	27	40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20	15.1	17.9	75	89	49-131	17	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	15.8	18.5	79	93	50-130	16	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	17.5	21.2	88	106	54-137	19	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	15.7	20.8	78	104	45-155	28	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	14.1	17.5	71	87	31-132	21	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	14.2	19.0	71	95	43-130	29	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	17.8	19.9	89	100	54-130	11	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	16.9	20.5	85	102	53-130	19	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	13.5	18.8	68	94	38-130	32	40	
2-Butanone (MEK)	ug/L	5.0U	20	20	10.4	16.6	52	83	48-138	46	40	J(D6)
2-Hexanone	ug/L	5.0U	20	20	12.1	18.7	60	93	38-130	43	40	J(D6)
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	11.9	19.8	60	99	28-143	50	40	J(D6)
Acetone	ug/L	5.0U	20	20	6.9 I	12.7	35	63	20-140		40	
Acrylonitrile	ug/L	5.0U	200	200	164	215	82	107	46-130	27	40	
Benzene	ug/L	0.50U	20	20	17.0	21.2	85	105	53-132	22	40	
Bromochloromethane	ug/L	0.50U	20	20	17.9	19.5	90	97	54-132	8	40	
Bromodichloromethane	ug/L	0.27U	20	20	16.8	20.0	84	100	46-130	17	40	
Bromoform	ug/L	0.50U	20	20	15.4	18.4	77	92	32-130	18	40	
Bromomethane	ug/L	0.50U	20	20	16.9	20.8	85	104	20-152	20	40	
Carbon disulfide	ug/L	5.0U	20	20	12.3	26.1	62	131	28-184	72	40	J(D6)
Carbon tetrachloride	ug/L	0.50U	20	20	14.0	20.2	70	101	37-137	36	40	
Chlorobenzene	ug/L	0.50U	20	20	14.9	19.1	75	95	46-130	24	40	
Chloroethane	ug/L	0.50U	20	20	19.1	24.2	95	121	48-159	24	40	
Chloroform	ug/L	0.50U	20	20	16.7	20.7	84	103	51-130	21	40	
Chloromethane	ug/L	0.62U	20	20	18.3	23.7	92	119	39-144	26	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	16.8	20.4	84	102	54-130	19	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536434

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 242878 242879

Parameter	Units	3536152001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	16.2	20.0	81	100	45-130	21	40	
Dibromochloromethane	ug/L	0.26U	20	20	16.1	18.8	81	94	43-130	15	40	
Dibromomethane	ug/L	0.50U	20	20	16.2	19.4	81	97	50-130	18	40	
Ethylbenzene	ug/L	0.50U	20	20	14.8	19.5	74	97	43-130	27	40	
Iodomethane	ug/L	0.50U	20	20	13.3	21.1	67	105	20-169	45	40	J(D6)
Methylene Chloride	ug/L	2.5U	20	20	17.3	20.4	85	101	51-135	16	40	
Styrene	ug/L	0.50U	20	20	9.7	9.4	49	47	40-130	3	40	
Tetrachloroethene	ug/L	0.50U	20	20	10.7	15.9	54	80	26-130	39	40	
Toluene	ug/L	0.50U	20	20	14.9	20.1	75	100	50-130	29	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	15.8	20.6	79	103	48-142	27	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	15.9	18.8	79	94	45-130	17	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	11.6	20.4	58	102	20-139	55	40	J(D6)
Trichloroethene	ug/L	0.50U	20	20	14.4	19.5	72	98	42-133	30	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	15.4	23.5	77	117	46-146	42	40	J(D6)
Vinyl acetate	ug/L	1.0U	20	20	9.9	24.7	50	124	20-165	86	40	J(D6)
Vinyl chloride	ug/L	0.50U	20	20	18.4	24.0	92	120	57-142	26	40	
Xylene (Total)	ug/L	0.50U	60	60	43.4	58.1	72	97	42-130	29	40	
1,2-Dichloroethane-d4 (S)	%						95	100	86-125			
4-Bromofluorobenzene (S)	%						100	99	70-114			
Dibromofluoromethane (S)	%						99	103	88-117			
Toluene-d8 (S)	%						100	100	87-113			

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QUALIFIERS

Project: Resource Recovery
Pace Project No.: 3536434

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery
Pace Project No.: 3536434

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3536434001	**4MW-27D@ Res. Rec.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536434002	**4MW-27@ Res. Rec.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536434003	**2MW-27D@ Res. Rec.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536434001	**4MW-27D@ Res. Rec.**	EPA 3010	MPRP/5563	EPA 6010	ICP/3906
3536434002	**4MW-27@ Res. Rec.**	EPA 3010	MPRP/5563	EPA 6010	ICP/3906
3536434003	**2MW-27D@ Res. Rec.**	EPA 3010	MPRP/5563	EPA 6010	ICP/3906
3536434001	**4MW-27D@ Res. Rec.**	EPA 3010	MPRP/5562	EPA 6020	ICPM/2559
3536434002	**4MW-27@ Res. Rec.**	EPA 3010	MPRP/5562	EPA 6020	ICPM/2559
3536434003	**2MW-27D@ Res. Rec.**	EPA 3010	MPRP/5562	EPA 6020	ICPM/2559
3536434001	**4MW-27D@ Res. Rec.**	EPA 8260	MSV/3522		
3536434002	**4MW-27@ Res. Rec.**	EPA 8260	MSV/3522		
3536434003	**2MW-27D@ Res. Rec.**	EPA 8260	MSV/3522		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

3536434

Page: of

1419949

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE:

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Metals App F	Soil	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-27D @ Res. Rec.	OT	G	—	—	8/22/11	1205		6	X		X	X					1	2	3		23452
2	4MW-27 @ Res. Rec	OT	G	—	—	8/22/11	1414		6	X		X	X					1	2	3		23451
3	2MW-27D @ Res. Rec.	OT	G	—	—	8/22/11	1514		6	X		X	X					1	2	3		23450
4																						
5																						Sent to
6																						PACE Lab
7																						8/23/11
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS: Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
Empty/contained	Pace	8-16-11	1600		8/22/11	0700				
		8/22/11	1545		8/22/11	15:45				
		8/23/11	1530	Pace	8-23-11	1530	3.0	Y	N	Y
	BSC	8-24-11	2200		8/25/11	6:30	0.1	Y		

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: Wilfred Martfeld

DATE Signed (MM/DD/YY): 08/22/11

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

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: PASCO Project # 3536434

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals Intact: ☐ yes ☑ no

Packing Material: ☐ Bubble Wrap ☑ Bubble Bags ☐ None ☑ Other _____

Date and Initials of person examining contents: JP 8/25/11

Thermometer Used T-39 Type of Ice: (Wet) Blue None

Cooler Temperature °C 0.9 (Visual) 1.0 (Correction Factor) 0.1 (Actual)

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

Receipt of samples satisfactory: ☐ Yes ☐ No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/25/2011

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: _____

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

September 08, 2011

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

RE: Project: Resource Recovery
Pace Project No.: 3536499

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on August 26, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Sakina Mckenzie

sakina.mckenzie@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: Resource Recovery
Pace Project No.: 3536499

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

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SAMPLE SUMMARY

Project: Resource Recovery
Pace Project No.: 3536499

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3536499001	**4MW-1 @ Res. Rec.**	Water	08/23/11 11:19	08/26/11 07:00
3536499002	**4MW-21 @ Res. Rec.**	Water	08/23/11 12:27	08/26/11 07:00
3536499003	**4MW-22 @ Res. Rec.**	Water	08/23/11 15:17	08/26/11 07:00

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SAMPLE ANALYTE COUNT

Project: Resource Recovery
Pace Project No.: 3536499

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3536499001	**4MW-1 @ Res. Rec.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536499002	**4MW-21 @ Res. Rec.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536499003	**4MW-22 @ Res. Rec.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	TAP	13	PASI-O
		EPA 6020	IST	2	PASI-O
		EPA 8260	ABD	49	PASI-O

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536499

Sample: 4MW-1 @ Res. Rec. **Lab ID: 3536499001** Collected: 08/23/11 11:19 Received: 08/26/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/31/11 16:15	09/01/11 14:12	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	08/31/11 16:15	09/01/11 14:12	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:13	7440-38-2	
Barium	**26.0**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:13	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	08/30/11 13:13	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	08/30/11 13:13	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:13	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:13	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:13	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:13	7439-92-1	
Nickel	**3.7 I**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:13	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/29/11 10:15	08/30/11 13:13	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:13	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:13	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/29/11 10:15	08/30/11 13:13	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/02/11 00:32	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/02/11 00:32	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:17	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:17	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 19:17	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:17	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:17	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 19:17	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 19:17	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:17	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536499

Sample: 4MW-1 @ Res. Rec. **Lab ID: 3536499001** Collected: 08/23/11 11:19 Received: 08/26/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 19:17	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 19:17	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:17	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 19:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:17	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 19:17	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 19:17	96-18-4	
Vinyl acetate	**3.4**	ug/L	2.0	1.0	1		09/02/11 19:17	108-05-4	J(L1)
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:17	1330-20-7	
4-Bromofluorobenzene (S)	104	%	70-114		1		09/02/11 19:17	460-00-4	
Dibromofluoromethane (S)	103	%	88-117		1		09/02/11 19:17	1868-53-7	
1,2-Dichloroethane-d4 (S)	93	%	86-125		1		09/02/11 19:17	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		09/02/11 19:17	2037-26-5	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536499

Sample: 4MW-21 @ Res. Rec. **Lab ID: 3536499002** Collected: 08/23/11 12:27 Received: 08/26/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0051U**	ug/L	0.021	0.0051	1	08/31/11 16:15	09/01/11 14:27	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065U**	ug/L	0.010	0.0065	1	08/31/11 16:15	09/01/11 14:27	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:25	7440-38-2	
Barium	**12.6**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:25	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	08/30/11 13:25	7440-41-7	
Cadmium	**1.8**	ug/L	1.0	0.50	1	08/29/11 10:15	08/30/11 13:25	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:25	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:25	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:25	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:25	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:25	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/29/11 10:15	08/30/11 13:25	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:25	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:25	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/29/11 10:15	08/30/11 13:25	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/02/11 00:35	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/02/11 00:35	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:41	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:41	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 19:41	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:41	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:41	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 19:41	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 19:41	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:41	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	156-59-2	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536499

Sample: 4MW-21 @ Res. Rec. **Lab ID: 3536499002** Collected: 08/23/11 12:27 Received: 08/26/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 19:41	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 19:41	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:41	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 19:41	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 19:41	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 19:41	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 19:41	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		09/02/11 19:41	108-05-4	L3
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 19:41	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-114		1		09/02/11 19:41	460-00-4	
Dibromofluoromethane (S)	105	%	88-117		1		09/02/11 19:41	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		09/02/11 19:41	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		09/02/11 19:41	2037-26-5	

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Ormond Beach, FL 32174
(386)672-5668

ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536499

Sample: 4MW-22 @ Res. Rec. **Lab ID: 3536499003** Collected: 08/23/11 15:17 Received: 08/26/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052U**	ug/L	0.021	0.0052	1	08/31/11 16:15	09/01/11 14:57	96-12-8	
1,2-Dibromoethane (EDB)	**0.0066U**	ug/L	0.011	0.0066	1	08/31/11 16:15	09/01/11 14:57	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:37	7440-38-2	
Barium	**14.1**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:37	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	08/30/11 13:37	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	08/30/11 13:37	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:37	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:37	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:37	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:37	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:37	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	08/29/11 10:15	08/30/11 13:37	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	08/29/11 10:15	08/30/11 13:37	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	08/29/11 10:15	08/30/11 13:37	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	08/29/11 10:15	08/30/11 13:37	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/02/11 00:38	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	08/29/11 10:15	09/02/11 00:38	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:05	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:05	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 20:05	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:05	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:05	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 20:05	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 20:05	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:05	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	156-59-2	

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ANALYTICAL RESULTS

Project: Resource Recovery
Pace Project No.: 3536499

Sample: 4MW-22 @ Res. Rec. **Lab ID: 3536499003** Collected: 08/23/11 15:17 Received: 08/26/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 20:05	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 20:05	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:05	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 20:05	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:05	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 20:05	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 20:05	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		09/02/11 20:05	108-05-4	L3
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:05	1330-20-7	
4-Bromofluorobenzene (S)	103	%	70-114		1		09/02/11 20:05	460-00-4	
Dibromofluoromethane (S)	105	%	88-117		1		09/02/11 20:05	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		09/02/11 20:05	17060-07-0	
Toluene-d8 (S)	104	%	87-113		1		09/02/11 20:05	2037-26-5	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

QC Batch: OEXT/5551 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3536499001, 3536499002, 3536499003

METHOD BLANK: 245161 | Matrix: Water
Associated Lab Samples: 3536499001, 3536499002, 3536499003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	09/01/11 09:10	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	09/01/11 09:10	

LABORATORY CONTROL SAMPLE: 245162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.30	122	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.29	116	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 245434 245435

Parameter	Units	3536360001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	.44	.44	0.52	0.50	119	115	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.56	0.54	129	123	60-140	4	40	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

QC Batch: MPRP/5593 | Analysis Method: EPA 6010
QC Batch Method: EPA 3010 | Analysis Description: 6010 MET
Associated Lab Samples: 3536499001, 3536499002, 3536499003

METHOD BLANK: 244199 | Matrix: Water
Associated Lab Samples: 3536499001, 3536499002, 3536499003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	08/30/11 13:05	
Barium	ug/L	5.0U	10.0	08/30/11 13:05	
Beryllium	ug/L	0.50U	1.0	08/30/11 13:05	
Cadmium	ug/L	0.50U	1.0	08/30/11 13:05	
Chromium	ug/L	2.5U	5.0	08/30/11 13:05	
Cobalt	ug/L	5.0U	10.0	08/30/11 13:05	
Copper	ug/L	2.5U	5.0	08/30/11 13:05	
Lead	ug/L	5.0U	10.0	08/30/11 13:05	
Nickel	ug/L	2.5U	5.0	08/30/11 13:05	
Selenium	ug/L	7.5U	15.0	08/30/11 13:05	
Silver	ug/L	2.5U	5.0	08/30/11 13:05	
Vanadium	ug/L	5.0U	10.0	08/30/11 13:05	
Zinc	ug/L	10.0U	20.0	08/30/11 13:05	

LABORATORY CONTROL SAMPLE: 244200

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	238	95	80-120	
Barium	ug/L	250	266	106	80-120	
Beryllium	ug/L	25	26.1	105	80-120	
Cadmium	ug/L	25	25.6	102	80-120	
Chromium	ug/L	250	273	109	80-120	
Cobalt	ug/L	250	265	106	80-120	
Copper	ug/L	250	279	112	80-120	
Lead	ug/L	250	244	98	80-120	
Nickel	ug/L	250	256	102	80-120	
Selenium	ug/L	250	250	100	80-120	
Silver	ug/L	25	25.1	100	80-120	
Vanadium	ug/L	250	259	104	80-120	
Zinc	ug/L	1250	1280	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244201 244202

Parameter	Units	3536499002 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	236	241	94	96	75-125	2	20	
Barium	ug/L	12.6	250	250	269	276	103	105	75-125	2	20	
Beryllium	ug/L	0.50U	25	25	25.5	25.9	101	103	75-125	1	20	
Cadmium	ug/L	1.8	25	25	26.6	27.3	99	102	75-125	2	20	
Chromium	ug/L	2.5U	250	250	264	268	105	107	75-125	2	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244201 244202

Parameter	Units	3536499002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	260	266	104	106	75-125	2	20	
Copper	ug/L	2.5U	250	250	270	274	107	109	75-125	2	20	
Lead	ug/L	5.0U	250	250	243	249	97	100	75-125	2	20	
Nickel	ug/L	2.5U	250	250	251	257	100	102	75-125	2	20	
Selenium	ug/L	7.5U	250	250	246	252	98	100	75-125	2	20	
Silver	ug/L	2.5U	25	25	24.3	24.6	97	98	75-125	1	20	
Vanadium	ug/L	5.0U	250	250	254	257	101	102	75-125	1	20	
Zinc	ug/L	10.0U	1250	1250	1260	1290	100	103	75-125	2	20	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

QC Batch: MPRP/5592 | Analysis Method: EPA 6020
QC Batch Method: EPA 3010 | Analysis Description: 6020 MET
Associated Lab Samples: 3536499001, 3536499002, 3536499003

METHOD BLANK: 244195 | Matrix: Water
Associated Lab Samples: 3536499001, 3536499002, 3536499003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	09/01/11 23:10	
Thallium	ug/L	0.50U	1.0	09/01/11 23:10	

LABORATORY CONTROL SAMPLE: 244196

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	50.8	102	90-110	
Thallium	ug/L	50	46.6	93	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 244197 244198

Parameter	Units	3535569008 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	49.5	50.1	99	100	70-130	1	20	
Thallium	ug/L	0.50U	50	50	49.4	48.9	99	98	70-130	1	20	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

QC Batch: MSV/3569 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3536499001, 3536499002, 3536499003

METHOD BLANK: 247358 Matrix: Water
Associated Lab Samples: 3536499001, 3536499002, 3536499003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	09/02/11 16:32	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1-Dichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1-Dichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	09/02/11 16:32	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	09/02/11 16:32	
1,2-Dichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,2-Dichloropropane	ug/L	0.50U	1.0	09/02/11 16:32	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	09/02/11 16:32	
2-Butanone (MEK)	ug/L	10.7	10.0	09/02/11 16:32	
2-Hexanone	ug/L	5.0U	10.0	09/02/11 16:32	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	09/02/11 16:32	
Acetone	ug/L	8.9 I	10.0	09/02/11 16:32	
Acrylonitrile	ug/L	5.0U	10.0	09/02/11 16:32	
Benzene	ug/L	0.50U	1.0	09/02/11 16:32	
Bromochloromethane	ug/L	0.50U	1.0	09/02/11 16:32	
Bromodichloromethane	ug/L	0.27U	0.60	09/02/11 16:32	
Bromoform	ug/L	0.50U	1.0	09/02/11 16:32	
Bromomethane	ug/L	0.50U	1.0	09/02/11 16:32	
Carbon disulfide	ug/L	5.0U	10.0	09/02/11 16:32	
Carbon tetrachloride	ug/L	0.50U	1.0	09/02/11 16:32	
Chlorobenzene	ug/L	0.50U	1.0	09/02/11 16:32	
Chloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
Chloroform	ug/L	0.50U	1.0	09/02/11 16:32	
Chloromethane	ug/L	0.62U	1.0	09/02/11 16:32	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	09/02/11 16:32	
Dibromochloromethane	ug/L	0.26U	0.50	09/02/11 16:32	
Dibromomethane	ug/L	0.50U	1.0	09/02/11 16:32	
Ethylbenzene	ug/L	0.50U	1.0	09/02/11 16:32	
Iodomethane	ug/L	0.50U	1.0	09/02/11 16:32	
Methylene Chloride	ug/L	2.5U	5.0	09/02/11 16:32	
Styrene	ug/L	0.50U	1.0	09/02/11 16:32	
Tetrachloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
Toluene	ug/L	0.50U	1.0	09/02/11 16:32	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	09/02/11 16:32	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	09/02/11 16:32	
Trichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
Trichlorofluoromethane	ug/L	0.50U	1.0	09/02/11 16:32	
Vinyl acetate	ug/L	1.0U	2.0	09/02/11 16:32	

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QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

METHOD BLANK: 247358 Matrix: Water

Associated Lab Samples: 3536499001, 3536499002, 3536499003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	09/02/11 16:32	
Xylene (Total)	ug/L	0.50U	1.0	09/02/11 16:32	
1,2-Dichloroethane-d4 (S)	%	96	86-125	09/02/11 16:32	
4-Bromofluorobenzene (S)	%	105	70-114	09/02/11 16:32	
Dibromofluoromethane (S)	%	105	88-117	09/02/11 16:32	
Toluene-d8 (S)	%	105	87-113	09/02/11 16:32	

LABORATORY CONTROL SAMPLE: 247359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	80-123	
1,1,1-Trichloroethane	ug/L	20	19.4	97	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	72-127	
1,1,2-Trichloroethane	ug/L	20	21.7	108	80-121	
1,1-Dichloroethane	ug/L	20	20.2	101	80-122	
1,1-Dichloroethene	ug/L	20	19.1	96	74-114	
1,2,3-Trichloropropane	ug/L	20	22.5	112	73-123	
1,2-Dichlorobenzene	ug/L	20	20.3	102	80-120	
1,2-Dichloroethane	ug/L	20	20.6	103	80-120	
1,2-Dichloropropane	ug/L	20	21.0	105	80-120	
1,4-Dichlorobenzene	ug/L	20	20.4	102	83-120	
2-Butanone (MEK)	ug/L	20	30.9	154	55-167	
2-Hexanone	ug/L	20	23.8	119	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.8	114	75-122	
Acetone	ug/L	20	27.9	140	40-150	
Acrylonitrile	ug/L	200	236	118	77-128	
Benzene	ug/L	20	21.2	106	80-123	
Bromochloromethane	ug/L	20	22.9	115	80-120	
Bromodichloromethane	ug/L	20	22.4	112	80-123	
Bromoform	ug/L	20	21.9	110	68-121	
Bromomethane	ug/L	20	19.6	98	38-179	
Carbon disulfide	ug/L	20	11.3	56	51-155	J(IC)
Carbon tetrachloride	ug/L	20	20.0	100	79-122	
Chlorobenzene	ug/L	20	20.8	104	80-120	
Chloroethane	ug/L	20	22.9	115	59-149	
Chloroform	ug/L	20	21.0	105	79-120	
Chloromethane	ug/L	20	19.5	98	68-140	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	80-120	
cis-1,3-Dichloropropene	ug/L	20	22.9	115	80-126	
Dibromochloromethane	ug/L	20	21.7	109	76-122	
Dibromomethane	ug/L	20	20.5	103	81-122	
Ethylbenzene	ug/L	20	21.1	105	80-120	
Iodomethane	ug/L	20	17.2	86	43-160	
Methylene Chloride	ug/L	20	18.9	94	75-127	
Styrene	ug/L	20	21.1	106	80-122	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

LABORATORY CONTROL SAMPLE: 247359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	17.9	89	66-133	
Toluene	ug/L	20	21.5	107	80-117	
trans-1,2-Dichloroethene	ug/L	20	20.7	103	80-122	
trans-1,3-Dichloropropene	ug/L	20	21.3	107	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	20.2	101	65-125	
Trichloroethene	ug/L	20	20.3	101	80-120	
Trichlorofluoromethane	ug/L	20	22.8	114	72-131	
Vinyl acetate	ug/L	20	28.0	140	69-135	J(L0)
Vinyl chloride	ug/L	20	22.8	114	69-140	
Xylene (Total)	ug/L	60	62.2	104	80-120	
1,2-Dichloroethane-d4 (S)	%			95	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Dibromofluoromethane (S)	%			101	88-117	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 247360 247361

Parameter	Units	3536499001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	18.3	23.0	92	115	39-130	23	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	18.1	23.5	91	118	47-141	26	40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20	17.6	22.0	88	110	49-131	22	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	18.6	22.4	93	112	50-130	19	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	18.9	23.3	95	117	54-137	21	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	17.6	23.0	88	115	45-155	27	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	17.2	22.4	86	112	31-132	26	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	15.0	21.0	75	105	43-130	33	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	18.5	23.5	93	117	54-130	24	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	19.5	23.5	97	117	53-130	19	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	14.3	21.7	72	108	38-130	41	40	J(D6)
2-Butanone (MEK)	ug/L	5.0U	20	20	12.0	13.7	60	69	48-138	13	40	
2-Hexanone	ug/L	5.0U	20	20	18.1	19.4	91	97	38-130	7	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	17.7	19.6	88	98	28-143	10	40	
Acetone	ug/L	5.0U	20	20	13.4	16.3	51	65	20-140	20	40	
Acrylonitrile	ug/L	5.0U	200	200	209	208	104	104	46-130	.3	40	
Benzene	ug/L	0.50U	20	20	19.2	24.1	96	121	53-132	23	40	
Bromochloromethane	ug/L	0.50U	20	20	20.3	24.5	101	123	54-132	19	40	
Bromodichloromethane	ug/L	0.27U	20	20	20.1	24.7	101	124	46-130	20	40	
Bromoform	ug/L	0.50U	20	20	18.0	22.6	90	113	32-130	22	40	
Bromomethane	ug/L	0.50U	20	20	15.6	18.8	78	94	20-152	19	40	
Carbon disulfide	ug/L	5.0U	20	20	8.8 I	11.0	44	55	28-184		40	
Carbon tetrachloride	ug/L	0.50U	20	20	18.1	24.0	91	120	37-137	28	40	
Chlorobenzene	ug/L	0.50U	20	20	17.6	22.7	88	114	46-130	26	40	
Chloroethane	ug/L	0.50U	20	20	22.2	23.3	111	117	48-159	5	40	
Chloroform	ug/L	0.50U	20	20	18.8	23.5	93	117	51-130	22	40	
Chloromethane	ug/L	0.62U	20	20	18.1	18.2	90	91	39-144	.9	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	18.9	23.4	94	117	54-130	22	40	

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(386)672-5668

QUALITY CONTROL DATA

Project: Resource Recovery
Pace Project No.: 3536499

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 247360 247361

Parameter	Units	3536499001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	19.6	24.3	98	122	45-130	22	40	
Dibromochloromethane	ug/L	0.26U	20	20	18.8	23.1	94	116	43-130	21	40	
Dibromomethane	ug/L	0.50U	20	20	17.8	22.7	89	113	50-130	24	40	
Ethylbenzene	ug/L	0.50U	20	20	17.2	23.5	86	117	43-130	31	40	
Iodomethane	ug/L	0.50U	20	20	11.9	15.0	59	75	20-169	23	40	
Methylene Chloride	ug/L	2.5U	20	20	16.4	20.4	81	101	51-135	22	40	
Styrene	ug/L	0.50U	20	20	17.4	23.0	87	115	40-130	28	40	
Tetrachloroethene	ug/L	0.50U	20	20	11.6	19.7	58	98	26-130	52	40	J(D6)
Toluene	ug/L	0.50U	20	20	17.7	23.7	89	119	50-130	29	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	18.5	24.4	92	122	48-142	28	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	17.7	21.9	88	110	45-130	21	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	15.1	16.8	76	84	20-139	11	40	
Trichloroethene	ug/L	0.50U	20	20	17.4	24.1	87	121	42-133	33	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	20.8	24.4	104	122	46-146	16	40	
Vinyl acetate	ug/L	3.4	20	20	13.5	16.4	50	65	20-165	19	40	
Vinyl chloride	ug/L	0.50U	20	20	22.6	23.4	113	117	57-142	4	40	
Xylene (Total)	ug/L	0.50U	60	60	49.2	68.6	82	114	42-130	33	40	
1,2-Dichloroethane-d4 (S)	%						95	93	86-125			
4-Bromofluorobenzene (S)	%						105	100	70-114			
Dibromofluoromethane (S)	%						100	101	88-117			
Toluene-d8 (S)	%						103	103	87-113			

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(386)672-5668

QUALIFIERS

Project: Resource Recovery
Pace Project No.: 3536499

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.

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LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(IC)	Estimated Value. The initial calibration for this compound was outside of method control limits. The result is estimated.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
J(L1)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was above QC limits. Results for this analyte in associated samples may be biased high.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Resource Recovery
Pace Project No.: 3536499

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3536499001	**4MW-1 @ Res. Rec.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536499002	**4MW-21 @ Res. Rec.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536499003	**4MW-22 @ Res. Rec.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536499001	**4MW-1 @ Res. Rec.**	EPA 3010	MPRP/5593	EPA 6010	ICP/3928
3536499002	**4MW-21 @ Res. Rec.**	EPA 3010	MPRP/5593	EPA 6010	ICP/3928
3536499003	**4MW-22 @ Res. Rec.**	EPA 3010	MPRP/5593	EPA 6010	ICP/3928
3536499001	**4MW-1 @ Res. Rec.**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3536499002	**4MW-21 @ Res. Rec.**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3536499003	**4MW-22 @ Res. Rec.**	EPA 3010	MPRP/5592	EPA 6020	ICPM/2568
3536499001	**4MW-1 @ Res. Rec.**	EPA 8260	MSV/3569		
3536499002	**4MW-21 @ Res. Rec.**	EPA 8260	MSV/3569		
3536499003	**4MW-22 @ Res. Rec.**	EPA 8260	MSV/3569		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

3536499

Page: of

1419957

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr.
New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE: _____

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N): Metals App. I; 8011; 8260

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED Composite Start Date	Composite Start Time	Composite End/Grab Date	Composite End/Grab Time	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Metals App. I	8011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	4MW-1 @ Res. Rec.	OT	G	—	—	8/23/11	1119		6	X		X	X					1	2	3		
2	4MW-21 @ Res. Rec	OT	G	—	—	8/23/11	1227		6	X		X	X					1	2	3		
3	4MW-22 @ Res. Rec	OT	G	—	—	8/23/11	1517		6	X		X	X					1	2	3		
4																						
5																						Sent to
6																						PACE Lab
7																						8/24/11
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Empty containers	[signature] Pace	8-23-11	1600	[signature]	8/23/11	8:00	
	[signature]	8/23/11	1600	[signature]	8/23/11	16:00	
	[signature]	8/24/11	1520	[signature] Pace	8-24-11	1520	
	BSC	8-25-11	2200	[signature] Platt	8/26/11	7:00	4.6 Y

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Martfeld

SIGNATURE of SAMPLER: [signature] DATE Signed (MM/DD/YY): 08/23/11

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: PASCO Project # 3536499

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☑ no

Date and Initials of person examining contents: JD 8/26/11

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Thermometer Used T-39 Type of Ice: Wet Blue None

Cooler Temperature °C 2.6 (Visual) 1.0 (Correction Factor) 1.6 (Actual)

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen? ☐ Yes ☐ No

Receipt of samples satisfactory: ☐ Yes ☐ No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/26/2011

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: _____

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

September 12, 2011

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

RE: Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Dear Ms. Mulhern:
Enclosed are the analytical results for sample(s) received by the laboratory on August 27, 2011. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards, where applicable, unless otherwise narrated in the body of the report.

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

Sincerely,

Sakina Mckenzie

sakina.mckenzie@pacelabs.com
Project Manager

Enclosures

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CERTIFICATIONS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

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

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SAMPLE SUMMARY

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Lab ID	Sample ID	Matrix	Date Collected	Date Received
3536638001	**2MW-24S @ RES. REC.**	Water	08/24/11 09:46	08/27/11 07:00
3536638002	**2MW-24D @ RES. REC.**	Water	08/24/11 10:46	08/27/11 07:00
3536638003	**2MW-25D @ RES. REC.**	Water	08/24/11 12:15	08/27/11 07:00
3536638004	**2MW-26D @ RES. REC.**	Water	08/24/11 13:12	08/27/11 07:00
3536638005	**2MW-15DA @ RES. REC.**	Water	08/24/11 14:34	08/27/11 07:00

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SAMPLE ANALYTE COUNT

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
3536638001	**2MW-24S @ RES. REC.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536638002	**2MW-24D @ RES. REC.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536638003	**2MW-25D @ RES. REC.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536638004	**2MW-26D @ RES. REC.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O
3536638005	**2MW-15DA @ RES. REC.**	EPA 8011	JLR	2	PASI-O
		EPA 6010	IST	13	PASI-O
		EPA 6020	DRS	2	PASI-O
		EPA 8260	ABD	49	PASI-O

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-24S @ RES. REC. **Lab ID: 3536638001** Collected: 08/24/11 09:46 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/31/11 16:15	09/01/11 15:12	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.010	0.0062	1	08/31/11 16:15	09/01/11 15:12	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:31	7440-38-2	
Barium	**26.5**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:31	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:31	7440-41-7	
Cadmium	**0.73 I**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:31	7440-43-9	
Chromium	**3.7 I**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:31	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:31	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:31	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:31	7439-92-1	
Nickel	**4.5 I**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:31	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	09/01/11 18:20	09/06/11 10:31	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:31	7440-22-4	
Vanadium	**6.6 I**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:31	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	09/01/11 18:20	09/06/11 10:31	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:15	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:15	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:52	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:52	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 20:52	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:52	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:52	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 20:52	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 20:52	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:52	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	156-59-2	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-24S @ RES. REC. **Lab ID: 3536638001** Collected: 08/24/11 09:46 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 20:52	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 20:52	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:52	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 20:52	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 20:52	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 20:52	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 20:52	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		09/02/11 20:52	108-05-4	L3
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 20:52	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-114		1		09/02/11 20:52	460-00-4	
Dibromofluoromethane (S)	105	%	88-117		1		09/02/11 20:52	1868-53-7	
1,2-Dichloroethane-d4 (S)	99	%	86-125		1		09/02/11 20:52	17060-07-0	
Toluene-d8 (S)	102	%	87-113		1		09/02/11 20:52	2037-26-5	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-24D @ RES. REC. **Lab ID: 3536638002** Collected: 08/24/11 10:46 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0049U**	ug/L	0.020	0.0049	1	08/31/11 16:15	09/01/11 15:28	96-12-8	
1,2-Dibromoethane (EDB)	**0.0062U**	ug/L	0.0099	0.0062	1	08/31/11 16:15	09/01/11 15:28	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:43	7440-38-2	
Barium	**15.3**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:43	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:43	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:43	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:43	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:43	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:43	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:43	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:43	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	09/01/11 18:20	09/06/11 10:43	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:43	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:43	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	09/01/11 18:20	09/06/11 10:43	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:24	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:24	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:16	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:16	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 21:16	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:16	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:16	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 21:16	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 21:16	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:16	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	156-59-2	

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(386)672-5668

ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-24D @ RES. REC. **Lab ID: 3536638002** Collected: 08/24/11 10:46 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 21:16	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 21:16	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:16	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 21:16	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:16	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 21:16	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 21:16	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		09/02/11 21:16	108-05-4	L3
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:16	1330-20-7	
4-Bromofluorobenzene (S)	104	%	70-114		1		09/02/11 21:16	460-00-4	
Dibromofluoromethane (S)	103	%	88-117		1		09/02/11 21:16	1868-53-7	
1,2-Dichloroethane-d4 (S)	95	%	86-125		1		09/02/11 21:16	17060-07-0	
Toluene-d8 (S)	104	%	87-113		1		09/02/11 21:16	2037-26-5	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-25D @ RES. REC. **Lab ID: 3536638003** Collected: 08/24/11 12:15 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0052U**	ug/L	0.021	0.0052	1	08/31/11 16:15	09/01/11 15:43	96-12-8	
1,2-Dibromoethane (EDB)	**0.0065U**	ug/L	0.011	0.0065	1	08/31/11 16:15	09/01/11 15:43	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:47	7440-38-2	
Barium	**33.6**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:47	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:47	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:47	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:47	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:47	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:47	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:47	7439-92-1	
Nickel	**4.0 I**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:47	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	09/01/11 18:20	09/06/11 10:47	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:47	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:47	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	09/01/11 18:20	09/06/11 10:47	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:31	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:31	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:39	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:39	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 21:39	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:39	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:39	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 21:39	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 21:39	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:39	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	156-59-2	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-25D @ RES. REC. **Lab ID: 3536638003** Collected: 08/24/11 12:15 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 21:39	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 21:39	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:39	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 21:39	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 21:39	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 21:39	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 21:39	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		09/02/11 21:39	108-05-4	L3
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 21:39	1330-20-7	
4-Bromofluorobenzene (S)	103	%	70-114		1		09/02/11 21:39	460-00-4	
Dibromofluoromethane (S)	105	%	88-117		1		09/02/11 21:39	1868-53-7	
1,2-Dichloroethane-d4 (S)	96	%	86-125		1		09/02/11 21:39	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		09/02/11 21:39	2037-26-5	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-26D @ RES. REC. **Lab ID: 3536638004** Collected: 08/24/11 13:12 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	09/06/11 10:00	09/06/11 20:48	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	09/06/11 10:00	09/06/11 20:48	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:59	7440-38-2	
Barium	**19.7**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:59	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:59	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 10:59	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:59	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:59	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:59	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:59	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:59	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	09/01/11 18:20	09/06/11 10:59	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 10:59	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 10:59	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	09/01/11 18:20	09/06/11 10:59	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:34	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:34	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:03	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:03	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 22:03	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:03	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:03	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 22:03	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 22:03	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:03	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	156-59-2	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-26D @ RES. REC. **Lab ID: 3536638004** Collected: 08/24/11 13:12 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 22:03	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 22:03	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:03	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 22:03	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:03	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 22:03	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 22:03	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		09/02/11 22:03	108-05-4	L3
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:03	1330-20-7	
4-Bromofluorobenzene (S)	101	%	70-114		1		09/02/11 22:03	460-00-4	
Dibromofluoromethane (S)	104	%	88-117		1		09/02/11 22:03	1868-53-7	
1,2-Dichloroethane-d4 (S)	97	%	86-125		1		09/02/11 22:03	17060-07-0	
Toluene-d8 (S)	103	%	87-113		1		09/02/11 22:03	2037-26-5	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-15DA @ RES. REC. **Lab ID: 3536638005** Collected: 08/24/11 14:34 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8011 GCS EDB and DBCP	Analytical Method: EPA 8011 Preparation Method: EPA 8011								
1,2-Dibromo-3-chloropropane	**0.0050U**	ug/L	0.020	0.0050	1	09/06/11 10:00	09/06/11 21:03	96-12-8	
1,2-Dibromoethane (EDB)	**0.0063U**	ug/L	0.010	0.0063	1	09/06/11 10:00	09/06/11 21:03	106-93-4	
6010 MET ICP	Analytical Method: EPA 6010 Preparation Method: EPA 3010								
Arsenic	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 11:03	7440-38-2	
Barium	**14.1**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 11:03	7440-39-3	
Beryllium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 11:03	7440-41-7	
Cadmium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/06/11 11:03	7440-43-9	
Chromium	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 11:03	7440-47-3	
Cobalt	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 11:03	7440-48-4	
Copper	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 11:03	7440-50-8	
Lead	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 11:03	7439-92-1	
Nickel	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 11:03	7440-02-0	
Selenium	**7.5U**	ug/L	15.0	7.5	1	09/01/11 18:20	09/06/11 11:03	7782-49-2	
Silver	**2.5U**	ug/L	5.0	2.5	1	09/01/11 18:20	09/06/11 11:03	7440-22-4	
Vanadium	**5.0U**	ug/L	10.0	5.0	1	09/01/11 18:20	09/06/11 11:03	7440-62-2	
Zinc	**10.0U**	ug/L	20.0	10.0	1	09/01/11 18:20	09/06/11 11:03	7440-66-6	
6020 MET ICPMS	Analytical Method: EPA 6020 Preparation Method: EPA 3010								
Antimony	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:46	7440-36-0	
Thallium	**0.50U**	ug/L	1.0	0.50	1	09/01/11 18:20	09/07/11 19:46	7440-28-0	
8260 MSV	Analytical Method: EPA 8260								
Acetone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:27	67-64-1	
Acrylonitrile	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:27	107-13-1	
Benzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	71-43-2	
Bromochloromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	74-97-5	
Bromodichloromethane	**0.27U**	ug/L	0.60	0.27	1		09/02/11 22:27	75-27-4	
Bromoform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	75-25-2	
Bromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	74-83-9	
2-Butanone (MEK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:27	78-93-3	
Carbon disulfide	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:27	75-15-0	
Carbon tetrachloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	56-23-5	
Chlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	108-90-7	
Chloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	75-00-3	
Chloroform	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	67-66-3	
Chloromethane	**0.62U**	ug/L	1.0	0.62	1		09/02/11 22:27	74-87-3	
Dibromochloromethane	**0.26U**	ug/L	0.50	0.26	1		09/02/11 22:27	124-48-1	
Dibromomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	74-95-3	
1,2-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	95-50-1	
1,4-Dichlorobenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	106-46-7	
trans-1,4-Dichloro-2-butene	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:27	110-57-6	
1,1-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	75-34-3	
1,2-Dichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	107-06-2	
1,1-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	75-35-4	
cis-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	156-59-2	

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ANALYTICAL RESULTS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Sample: 2MW-15DA @ RES. REC. **Lab ID: 3536638005** Collected: 08/24/11 14:34 Received: 08/27/11 07:00 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV	Analytical Method: EPA 8260								
trans-1,2-Dichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	156-60-5	
1,2-Dichloropropane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	78-87-5	
cis-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 22:27	10061-01-5	
trans-1,3-Dichloropropene	**0.25U**	ug/L	0.50	0.25	1		09/02/11 22:27	10061-02-6	
Ethylbenzene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	100-41-4	
2-Hexanone	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:27	591-78-6	
Iodomethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	74-88-4	
Methylene Chloride	**2.5U**	ug/L	5.0	2.5	1		09/02/11 22:27	75-09-2	
4-Methyl-2-pentanone (MIBK)	**5.0U**	ug/L	10.0	5.0	1		09/02/11 22:27	108-10-1	
Styrene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	100-42-5	
1,1,1,2-Tetrachloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	630-20-6	
1,1,2,2-Tetrachloroethane	**0.12U**	ug/L	0.50	0.12	1		09/02/11 22:27	79-34-5	
Tetrachloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	127-18-4	
Toluene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	108-88-3	
1,1,1-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	71-55-6	
1,1,2-Trichloroethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	79-00-5	
Trichloroethene	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	79-01-6	
Trichlorofluoromethane	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	75-69-4	
1,2,3-Trichloropropane	**0.36U**	ug/L	0.50	0.36	1		09/02/11 22:27	96-18-4	
Vinyl acetate	**1.0U**	ug/L	2.0	1.0	1		09/02/11 22:27	108-05-4	L3
Vinyl chloride	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	75-01-4	
Xylene (Total)	**0.50U**	ug/L	1.0	0.50	1		09/02/11 22:27	1330-20-7	
4-Bromofluorobenzene (S)	99	%	70-114		1		09/02/11 22:27	460-00-4	
Dibromofluoromethane (S)	105	%	88-117		1		09/02/11 22:27	1868-53-7	
1,2-Dichloroethane-d4 (S)	98	%	86-125		1		09/02/11 22:27	17060-07-0	
Toluene-d8 (S)	105	%	87-113		1		09/02/11 22:27	2037-26-5	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

QC Batch: OEXT/5551 Analysis Method: EPA 8011
QC Batch Method: EPA 8011 Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3536638001, 3536638002, 3536638003

METHOD BLANK: 245161 Matrix: Water
Associated Lab Samples: 3536638001, 3536638002, 3536638003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	09/01/11 09:10	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	09/01/11 09:10	

LABORATORY CONTROL SAMPLE: 245162

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.30	122	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.29	116	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 245434 245435

Parameter	Units	3536360001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0049 U	.44	.44	0.52	0.50	119	115	60-140	3	40	
1,2-Dibromoethane (EDB)	ug/L	0.0062 U	.44	.44	0.56	0.54	129	123	60-140	4	40	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

QC Batch: OEXT/5578 | Analysis Method: EPA 8011
QC Batch Method: EPA 8011 | Analysis Description: 8011 EDB DBCP
Associated Lab Samples: 3536638004, 3536638005

METHOD BLANK: 248167 | Matrix: Water
Associated Lab Samples: 3536638004, 3536638005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	0.0049U	0.020	09/06/11 20:17	
1,2-Dibromoethane (EDB)	ug/L	0.0062U	0.010	09/06/11 20:17	

LABORATORY CONTROL SAMPLE: 248168

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromo-3-chloropropane	ug/L	.25	0.27	108	60-140	
1,2-Dibromoethane (EDB)	ug/L	.25	0.27	107	60-140	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 248217 248218

Parameter	Units	3537065001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,2-Dibromo-3-chloropropane	ug/L	0.0047 U	.44	.44	0.52	0.57	119	130	60-140	9	40	
1,2-Dibromoethane (EDB)	ug/L	0.0060 U	.44	.44	0.54	0.57	124	131	60-140	5	40	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

QC Batch: MPRP/5664 Analysis Method: EPA 6010
QC Batch Method: EPA 3010 Analysis Description: 6010 MET
Associated Lab Samples: 3536638001, 3536638002, 3536638003, 3536638004, 3536638005

METHOD BLANK: 246848 Matrix: Water
Associated Lab Samples: 3536638001, 3536638002, 3536638003, 3536638004, 3536638005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Arsenic	ug/L	5.0U	10.0	09/06/11 10:23	
Barium	ug/L	5.0U	10.0	09/06/11 10:23	
Beryllium	ug/L	0.50U	1.0	09/06/11 10:23	
Cadmium	ug/L	0.50U	1.0	09/06/11 10:23	
Chromium	ug/L	2.5U	5.0	09/06/11 10:23	
Cobalt	ug/L	5.0U	10.0	09/06/11 10:23	
Copper	ug/L	2.5U	5.0	09/06/11 10:23	
Lead	ug/L	5.0U	10.0	09/06/11 10:23	
Nickel	ug/L	2.5U	5.0	09/06/11 10:23	
Selenium	ug/L	7.5U	15.0	09/06/11 10:23	
Silver	ug/L	2.5U	5.0	09/06/11 10:23	
Vanadium	ug/L	5.0U	10.0	09/06/11 10:23	
Zinc	ug/L	10.0U	20.0	09/06/11 10:23	

LABORATORY CONTROL SAMPLE: 246849

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Arsenic	ug/L	250	248	99	80-120	
Barium	ug/L	250	253	101	80-120	
Beryllium	ug/L	25	24.3	97	80-120	
Cadmium	ug/L	25	26.4	106	80-120	
Chromium	ug/L	250	252	101	80-120	
Cobalt	ug/L	250	264	105	80-120	
Copper	ug/L	250	248	99	80-120	
Lead	ug/L	250	242	97	80-120	
Nickel	ug/L	250	262	105	80-120	
Selenium	ug/L	250	257	103	80-120	
Silver	ug/L	25	25.2	101	80-120	
Vanadium	ug/L	250	248	99	80-120	
Zinc	ug/L	1250	1280	102	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 246850 246851

Parameter	Units	3536638003 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	260	257	102	101	75-125	1	20	
Barium	ug/L	33.6	250	250	285	289	101	102	75-125	1	20	
Beryllium	ug/L	0.50U	25	25	25.3	25.5	101	102	75-125	.7	20	
Cadmium	ug/L	0.50U	25	25	26.4	26.1	104	103	75-125	1	20	
Chromium	ug/L	2.5U	250	250	261	261	104	104	75-125	.3	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 246850 246851

Parameter	Units	3536638003 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Cobalt	ug/L	5.0U	250	250	263	261	105	104	75-125	.6	20	
Copper	ug/L	2.5U	250	250	260	265	104	105	75-125	2	20	
Lead	ug/L	5.0U	250	250	248	252	99	100	75-125	1	20	
Nickel	ug/L	4.0 I	250	250	264	264	104	104	75-125	.08	20	
Selenium	ug/L	7.5U	250	250	260	258	104	103	75-125	.5	20	
Silver	ug/L	2.5U	25	25	26.8	26.3	107	105	75-125	2	20	
Vanadium	ug/L	5.0U	250	250	263	262	105	104	75-125	.6	20	
Zinc	ug/L	10.0U	1250	1250	1290	1280	103	102	75-125	.5	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

QC Batch: MPRP/5663 Analysis Method: EPA 6020
QC Batch Method: EPA 3010 Analysis Description: 6020 MET
Associated Lab Samples: 3536638001, 3536638002, 3536638003, 3536638004, 3536638005

METHOD BLANK: 246843 Matrix: Water
Associated Lab Samples: 3536638001, 3536638002, 3536638003, 3536638004, 3536638005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Antimony	ug/L	0.50U	1.0	09/07/11 19:03	
Thallium	ug/L	0.50U	1.0	09/07/11 19:03	

LABORATORY CONTROL SAMPLE: 246844

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Antimony	ug/L	50	51.9	104	90-110	
Thallium	ug/L	50	50.0	100	90-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 246845 246846

Parameter	Units	3536638002 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Antimony	ug/L	0.50U	50	50	52.4	52.8	104	105	70-130	.6	20	
Thallium	ug/L	0.50U	50	50	51.2	50.6	102	101	70-130	1	20	

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QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

QC Batch: MSV/3569 Analysis Method: EPA 8260
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV
Associated Lab Samples: 3536638001, 3536638002, 3536638003, 3536638004, 3536638005

METHOD BLANK: 247358 Matrix: Water
Associated Lab Samples: 3536638001, 3536638002, 3536638003, 3536638004, 3536638005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1,1-Trichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	0.50	09/02/11 16:32	
1,1,2-Trichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1-Dichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,1-Dichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
1,2,3-Trichloropropane	ug/L	0.36U	0.50	09/02/11 16:32	
1,2-Dichlorobenzene	ug/L	0.50U	1.0	09/02/11 16:32	
1,2-Dichloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
1,2-Dichloropropane	ug/L	0.50U	1.0	09/02/11 16:32	
1,4-Dichlorobenzene	ug/L	0.50U	1.0	09/02/11 16:32	
2-Butanone (MEK)	ug/L	10.7	10.0	09/02/11 16:32	
2-Hexanone	ug/L	5.0U	10.0	09/02/11 16:32	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	10.0	09/02/11 16:32	
Acetone	ug/L	8.9 I	10.0	09/02/11 16:32	
Acrylonitrile	ug/L	5.0U	10.0	09/02/11 16:32	
Benzene	ug/L	0.50U	1.0	09/02/11 16:32	
Bromochloromethane	ug/L	0.50U	1.0	09/02/11 16:32	
Bromodichloromethane	ug/L	0.27U	0.60	09/02/11 16:32	
Bromoform	ug/L	0.50U	1.0	09/02/11 16:32	
Bromomethane	ug/L	0.50U	1.0	09/02/11 16:32	
Carbon disulfide	ug/L	5.0U	10.0	09/02/11 16:32	
Carbon tetrachloride	ug/L	0.50U	1.0	09/02/11 16:32	
Chlorobenzene	ug/L	0.50U	1.0	09/02/11 16:32	
Chloroethane	ug/L	0.50U	1.0	09/02/11 16:32	
Chloroform	ug/L	0.50U	1.0	09/02/11 16:32	
Chloromethane	ug/L	0.62U	1.0	09/02/11 16:32	
cis-1,2-Dichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
cis-1,3-Dichloropropene	ug/L	0.25U	0.50	09/02/11 16:32	
Dibromochloromethane	ug/L	0.26U	0.50	09/02/11 16:32	
Dibromomethane	ug/L	0.50U	1.0	09/02/11 16:32	
Ethylbenzene	ug/L	0.50U	1.0	09/02/11 16:32	
Iodomethane	ug/L	0.50U	1.0	09/02/11 16:32	
Methylene Chloride	ug/L	2.5U	5.0	09/02/11 16:32	
Styrene	ug/L	0.50U	1.0	09/02/11 16:32	
Tetrachloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
Toluene	ug/L	0.50U	1.0	09/02/11 16:32	
trans-1,2-Dichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
trans-1,3-Dichloropropene	ug/L	0.25U	0.50	09/02/11 16:32	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	10.0	09/02/11 16:32	
Trichloroethene	ug/L	0.50U	1.0	09/02/11 16:32	
Trichlorofluoromethane	ug/L	0.50U	1.0	09/02/11 16:32	
Vinyl acetate	ug/L	1.0U	2.0	09/02/11 16:32	

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8 East Tower Circle
Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

METHOD BLANK: 247358 Matrix: Water

Associated Lab Samples: 3536638001, 3536638002, 3536638003, 3536638004, 3536638005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Vinyl chloride	ug/L	0.50U	1.0	09/02/11 16:32	
Xylene (Total)	ug/L	0.50U	1.0	09/02/11 16:32	
1,2-Dichloroethane-d4 (S)	%	96	86-125	09/02/11 16:32	
4-Bromofluorobenzene (S)	%	105	70-114	09/02/11 16:32	
Dibromofluoromethane (S)	%	105	88-117	09/02/11 16:32	
Toluene-d8 (S)	%	105	87-113	09/02/11 16:32	

LABORATORY CONTROL SAMPLE: 247359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	20	20.8	104	80-123	
1,1,1-Trichloroethane	ug/L	20	19.4	97	80-120	
1,1,2,2-Tetrachloroethane	ug/L	20	21.6	108	72-127	
1,1,2-Trichloroethane	ug/L	20	21.7	108	80-121	
1,1-Dichloroethane	ug/L	20	20.2	101	80-122	
1,1-Dichloroethene	ug/L	20	19.1	96	74-114	
1,2,3-Trichloropropane	ug/L	20	22.5	112	73-123	
1,2-Dichlorobenzene	ug/L	20	20.3	102	80-120	
1,2-Dichloroethane	ug/L	20	20.6	103	80-120	
1,2-Dichloropropane	ug/L	20	21.0	105	80-120	
1,4-Dichlorobenzene	ug/L	20	20.4	102	83-120	
2-Butanone (MEK)	ug/L	20	30.9	154	55-167	
2-Hexanone	ug/L	20	23.8	119	65-120	
4-Methyl-2-pentanone (MIBK)	ug/L	20	22.8	114	75-122	
Acetone	ug/L	20	27.9	140	40-150	
Acrylonitrile	ug/L	200	236	118	77-128	
Benzene	ug/L	20	21.2	106	80-123	
Bromochloromethane	ug/L	20	22.9	115	80-120	
Bromodichloromethane	ug/L	20	22.4	112	80-123	
Bromoform	ug/L	20	21.9	110	68-121	
Bromomethane	ug/L	20	19.6	98	38-179	
Carbon disulfide	ug/L	20	11.3	56	51-155	J(IC)
Carbon tetrachloride	ug/L	20	20.0	100	79-122	
Chlorobenzene	ug/L	20	20.8	104	80-120	
Chloroethane	ug/L	20	22.9	115	59-149	
Chloroform	ug/L	20	21.0	105	79-120	
Chloromethane	ug/L	20	19.5	98	68-140	
cis-1,2-Dichloroethene	ug/L	20	20.4	102	80-120	
cis-1,3-Dichloropropene	ug/L	20	22.9	115	80-126	
Dibromochloromethane	ug/L	20	21.7	109	76-122	
Dibromomethane	ug/L	20	20.5	103	81-122	
Ethylbenzene	ug/L	20	21.1	105	80-120	
Iodomethane	ug/L	20	17.2	86	43-160	
Methylene Chloride	ug/L	20	18.9	94	75-127	
Styrene	ug/L	20	21.1	106	80-122	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

LABORATORY CONTROL SAMPLE: 247359

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Tetrachloroethene	ug/L	20	17.9	89	66-133	
Toluene	ug/L	20	21.5	107	80-117	
trans-1,2-Dichloroethene	ug/L	20	20.7	103	80-122	
trans-1,3-Dichloropropene	ug/L	20	21.3	107	80-122	
trans-1,4-Dichloro-2-butene	ug/L	20	20.2	101	65-125	
Trichloroethene	ug/L	20	20.3	101	80-120	
Trichlorofluoromethane	ug/L	20	22.8	114	72-131	
Vinyl acetate	ug/L	20	28.0	140	69-135	J(L0)
Vinyl chloride	ug/L	20	22.8	114	69-140	
Xylene (Total)	ug/L	60	62.2	104	80-120	
1,2-Dichloroethane-d4 (S)	%			95	86-125	
4-Bromofluorobenzene (S)	%			102	70-114	
Dibromofluoromethane (S)	%			101	88-117	
Toluene-d8 (S)	%			102	87-113	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 247360 247361

Parameter	Units	3536499001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1,1,1,2-Tetrachloroethane	ug/L	0.50U	20	20	18.3	23.0	92	115	39-130	23	40	
1,1,1-Trichloroethane	ug/L	0.50U	20	20	18.1	23.5	91	118	47-141	26	40	
1,1,2,2-Tetrachloroethane	ug/L	0.12U	20	20	17.6	22.0	88	110	49-131	22	40	
1,1,2-Trichloroethane	ug/L	0.50U	20	20	18.6	22.4	93	112	50-130	19	40	
1,1-Dichloroethane	ug/L	0.50U	20	20	18.9	23.3	95	117	54-137	21	40	
1,1-Dichloroethene	ug/L	0.50U	20	20	17.6	23.0	88	115	45-155	27	40	
1,2,3-Trichloropropane	ug/L	0.36U	20	20	17.2	22.4	86	112	31-132	26	40	
1,2-Dichlorobenzene	ug/L	0.50U	20	20	15.0	21.0	75	105	43-130	33	40	
1,2-Dichloroethane	ug/L	0.50U	20	20	18.5	23.5	93	117	54-130	24	40	
1,2-Dichloropropane	ug/L	0.50U	20	20	19.5	23.5	97	117	53-130	19	40	
1,4-Dichlorobenzene	ug/L	0.50U	20	20	14.3	21.7	72	108	38-130	41	40	J(D6)
2-Butanone (MEK)	ug/L	5.0U	20	20	12.0	13.7	60	69	48-138	13	40	
2-Hexanone	ug/L	5.0U	20	20	18.1	19.4	91	97	38-130	7	40	
4-Methyl-2-pentanone (MIBK)	ug/L	5.0U	20	20	17.7	19.6	88	98	28-143	10	40	
Acetone	ug/L	5.0U	20	20	13.4	16.3	51	65	20-140	20	40	
Acrylonitrile	ug/L	5.0U	200	200	209	208	104	104	46-130	.3	40	
Benzene	ug/L	0.50U	20	20	19.2	24.1	96	121	53-132	23	40	
Bromochloromethane	ug/L	0.50U	20	20	20.3	24.5	101	123	54-132	19	40	
Bromodichloromethane	ug/L	0.27U	20	20	20.1	24.7	101	124	46-130	20	40	
Bromoform	ug/L	0.50U	20	20	18.0	22.6	90	113	32-130	22	40	
Bromomethane	ug/L	0.50U	20	20	15.6	18.8	78	94	20-152	19	40	
Carbon disulfide	ug/L	5.0U	20	20	8.8 I	11.0	44	55	28-184		40	
Carbon tetrachloride	ug/L	0.50U	20	20	18.1	24.0	91	120	37-137	28	40	
Chlorobenzene	ug/L	0.50U	20	20	17.6	22.7	88	114	46-130	26	40	
Chloroethane	ug/L	0.50U	20	20	22.2	23.3	111	117	48-159	5	40	
Chloroform	ug/L	0.50U	20	20	18.8	23.5	93	117	51-130	22	40	
Chloromethane	ug/L	0.62U	20	20	18.1	18.2	90	91	39-144	.9	40	
cis-1,2-Dichloroethene	ug/L	0.50U	20	20	18.9	23.4	94	117	54-130	22	40	

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 247360 247361

Parameter	Units	3536499001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
cis-1,3-Dichloropropene	ug/L	0.25U	20	20	19.6	24.3	98	122	45-130	22	40	
Dibromochloromethane	ug/L	0.26U	20	20	18.8	23.1	94	116	43-130	21	40	
Dibromomethane	ug/L	0.50U	20	20	17.8	22.7	89	113	50-130	24	40	
Ethylbenzene	ug/L	0.50U	20	20	17.2	23.5	86	117	43-130	31	40	
Iodomethane	ug/L	0.50U	20	20	11.9	15.0	59	75	20-169	23	40	
Methylene Chloride	ug/L	2.5U	20	20	16.4	20.4	81	101	51-135	22	40	
Styrene	ug/L	0.50U	20	20	17.4	23.0	87	115	40-130	28	40	
Tetrachloroethene	ug/L	0.50U	20	20	11.6	19.7	58	98	26-130	52	40	J(D6)
Toluene	ug/L	0.50U	20	20	17.7	23.7	89	119	50-130	29	40	
trans-1,2-Dichloroethene	ug/L	0.50U	20	20	18.5	24.4	92	122	48-142	28	40	
trans-1,3-Dichloropropene	ug/L	0.25U	20	20	17.7	21.9	88	110	45-130	21	40	
trans-1,4-Dichloro-2-butene	ug/L	5.0U	20	20	15.1	16.8	76	84	20-139	11	40	
Trichloroethene	ug/L	0.50U	20	20	17.4	24.1	87	121	42-133	33	40	
Trichlorofluoromethane	ug/L	0.50U	20	20	20.8	24.4	104	122	46-146	16	40	
Vinyl acetate	ug/L	3.4	20	20	13.5	16.4	50	65	20-165	19	40	
Vinyl chloride	ug/L	0.50U	20	20	22.6	23.4	113	117	57-142	4	40	
Xylene (Total)	ug/L	0.50U	60	60	49.2	68.6	82	114	42-130	33	40	
1,2-Dichloroethane-d4 (S)	%						95	93	86-125			
4-Bromofluorobenzene (S)	%						105	100	70-114			
Dibromofluoromethane (S)	%						100	101	88-117			
Toluene-d8 (S)	%						103	103	87-113			

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Ormond Beach, FL 32174
(386)672-5668

QUALIFIERS

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

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 TNI accredited. Contact your Pace PM for the current list of accredited analytes.

LABORATORIES

PASI-O	Pace Analytical Services - Ormond Beach

ANALYTE QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J(D6)	Estimated Value. The relative percent difference (RPD) between the sample and sample duplicate exceeded laboratory control limits.
J(IC)	Estimated Value. The initial calibration for this compound was outside of method control limits. The result is estimated.
J(L0)	Estimated Value. Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
L3	Analyte recovery in the laboratory control sample (LCS) exceeded QC limits. Analyte presence below reporting limits in associated samples. Results unaffected by high bias.

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Ormond Beach, FL 32174
(386)672-5668

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: RESOURCE RECOVERY
Pace Project No.: 3536638

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
3536638001	**2MW-24S @ RES. REC.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536638002	**2MW-24D @ RES. REC.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536638003	**2MW-25D @ RES. REC.**	EPA 8011	OEXT/5551	EPA 8011	GCSV/4168
3536638004	**2MW-26D @ RES. REC.**	EPA 8011	OEXT/5578	EPA 8011	GCSV/4191
3536638005	**2MW-15DA @ RES. REC.**	EPA 8011	OEXT/5578	EPA 8011	GCSV/4191
3536638001	**2MW-24S @ RES. REC.**	EPA 3010	MPRP/5664	EPA 6010	ICP/3978
3536638002	**2MW-24D @ RES. REC.**	EPA 3010	MPRP/5664	EPA 6010	ICP/3978
3536638003	**2MW-25D @ RES. REC.**	EPA 3010	MPRP/5664	EPA 6010	ICP/3978
3536638004	**2MW-26D @ RES. REC.**	EPA 3010	MPRP/5664	EPA 6010	ICP/3978
3536638005	**2MW-15DA @ RES. REC.**	EPA 3010	MPRP/5664	EPA 6010	ICP/3978
3536638001	**2MW-24S @ RES. REC.**	EPA 3010	MPRP/5663	EPA 6020	ICPM/2585
3536638002	**2MW-24D @ RES. REC.**	EPA 3010	MPRP/5663	EPA 6020	ICPM/2585
3536638003	**2MW-25D @ RES. REC.**	EPA 3010	MPRP/5663	EPA 6020	ICPM/2585
3536638004	**2MW-26D @ RES. REC.**	EPA 3010	MPRP/5663	EPA 6020	ICPM/2585
3536638005	**2MW-15DA @ RES. REC.**	EPA 3010	MPRP/5663	EPA 6020	ICPM/2585
3536638001	**2MW-24S @ RES. REC.**	EPA 8260	MSV/3569		
3536638002	**2MW-24D @ RES. REC.**	EPA 8260	MSV/3569		
3536638003	**2MW-25D @ RES. REC.**	EPA 8260	MSV/3569		
3536638004	**2MW-26D @ RES. REC.**	EPA 8260	MSV/3569		
3536638005	**2MW-15DA @ RES. REC.**	EPA 8260	MSV/3569		

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CHAIN-OF-CUSTODY / Analytical Request Document

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

3536638

Page: of

1439634

Section A Required Client Information:

Company: Pasco County Env. Lab
Address: 8864 Government Dr. New Port Richey, FL
Email To:
Phone: 7278478902 Fax:
Requested Due Date/TAT:

Section B Required Project Information:

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

Section C Invoice Information:

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

REGULATORY AGENCY

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

Site Location STATE:

Section D Required Client Information

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

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

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COLLECTED COMPOSITE START TIME	COLLECTED COMPOSITE END/GRAB DATE	COLLECTED COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test (Y/N): Metals App I	8011	8260	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	2MW-24S @ Res. Rec.	OT	G	—	—	8/24/11	0946	—	6	X		X	X					1	2	3		23443
2	2MW-24D @ Res. Rec.			—	—	8/24/11	1046	—	6	X		X	X					1	2	3		23444
3	2MW-25D @ Res. Rec.			—	—	8/24/11	1215	—	6	X		X	X					1	2	3		23446
4	2MW-26D @ Res. Rec.			—	—	8/24/11	1312	—	6	X		X	X					1	2	3		23448
5	2MW-15DA @ Res. Rec.	OT	G	—	—	8/24/11	1434	—	6	X		X	X					1	2	3		19766
6																						
7																						
8																						
9																						
10																						
11																						
12																						

Sent to PACE Lab 8/25/11

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
SAMPLING KIT-EMPTY		11/12	1010		8/24/11	0700	
		8/24/11	1540		8/24/11	15:40	
		8/25/11	1530	CDM	8-25-11	1630	
	BSC	8-26-11	2200		8.27.11	7:41	.1

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

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Wilfred Mantfeld

SIGNATURE of SAMPLER: Wilfred M

DATE Signed (MM/DD/YY): 08/24/11

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

Sample Condition Upon Receipt Form (SCUR)

Table Number: _____

Pace Analytical

Client Name: Pasco County Project # 3536638

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☑ Commercial ☐ Pace ☐ Other _____

Tracking # _____

Custody Seal on Cooler/Box Present: ☐ yes ☑ no Seals intact: ☐ yes ☐ no

Packing Material: ☑ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other _____

Date and Initials of person examining contents: pm 8-29-11

Thermometer Used T77 Type of Ice: (Wet) Blue None

Cooler Temperature°C .7 (Visual) -.6 (Correction Factor) .1 (Actual)

(Temp should be above freezing to 0°-6°C). If below 0°C, then was sample frozen? ☐Yes ☐No

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

Client Notification/ Resolution:

Person Contacted: _____ Date/Time: _____

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

Project Manager Review: _____ Date: 8/29/2011

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: _____