leachate file

PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
PASCO COUNTY GOVT. COMPLEX
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

DADE CITY (904) 521-4274
NEW PORT RICHEY (813) 847-8902

June 6, 1995

Ms. Allison Amram
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619

RECEIVED
JUN 08 1995
Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

RE: Resource Recovery
Leachate Analysis

Dear Ms. Amram:

Enclosed please find analytical results for analysis conducted on the primary and secondary leachate from the ash cell and the solid waste cell at the Hays Road Resource Recovery site. Also included is the QA/QC data associated with this anlaysis. This completes the Quarter II 1995 monitoring requirement.

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

Sincerely,

Candia E. Mulhern
Laboratory Manager

CEM/dh

Enclosure

cc: Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director

PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

RESOURCE RECOVERY
14230 HAYS ROAD
SPRING HILL, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: RRL Q-II
DATE: 06/02/95
DHRS # 54237, E44123

LAB No.	SAMPLE DATE	TIME	SAMPLER	DELIVERY TO LAB DATE	TIME	MATRIX
35363	04/18/95	1115	CHRIS CHILDRESS	04/18/95	1600	LE
35364	04/18/95	1045	CHRIS CHILDRESS	04/18/95	1600	LE
35365	04/18/95	1145	CHRIS CHILDRESS	04/18/95	1600	LE
35366	04/18/95	1215	CHRIS CHILDRESS	04/18/95	1600	LE

		CLIENT STATION ID: A-1 PRIMARY	A-1 SECONDARY	SW PRIMARY	SW SECONDARY
		LAB #: 35363	35364	35365	35366
PH, FIELD	STD. UNITS	7.19	7.13	6.67	7.66
FIELD TEMP	DEGREES C	25.0	24.4	25.1	24.1
COND,FIELD	umhos/cm	11520	2776	47135	950
DO, FIELD	mg/L	2.4	4.1	0.2	4.2
BICARB.ALK	mg/l	124	225	198	438
TOC	mg/L	32.2	47.8	53.0	70.5
CL-	mg/L	5340	1106	22816	155
NH3	mg/L	8.47	<0.07	LE	<0.07
NH3-UNION	mg/L	0.115	<0.02	LE	<0.02
TON	mg/L	1.00	1.14	LE	0.85
NO2+NO3	mg/l	<0.10	0.42	<0.10	<0.10
TN	MG/L	9.47	1.56	LE	0.85
O+G	mg/l	<3	<3	<3	<3
PH	std units	7.28	7.65	6.79	7.39
PHENOLS	mg/L	0.068	1.06	1.01	0.014
TDS	mg/L	18900	4080	52600	9760
COND	umhos	15890	3360	54000	1173
SO4	mg/L	331	15.6	309	7.57
TURB	NTU	1.04	0.80	32.0	2.84

LABORATORY DIRECTOR

PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

RESOURCE RECOVERY
14230 HAYS ROAD
SPRING HILL, FL 34610-
Attn: VINCENT MANNELLA

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35365	04/18/95	1145	CHRIS CHILDRESS	04/18/95	1600	LE
35366	04/18/95	1215	CHRIS CHILDRESS	04/18/95	1600	LE

CLIENT STATION ID:		A-1 PRIMARY	A-1 SECONDARY	SW PRIMARY	SW SECONDARY
LAB #:		35363	35364	35365	35366
TOX	mg/l	0.310	0.290	0.660	0.250
SB/T/AA	mg/L	0.0081	<0.001	0.0054	<0.001
AS/T/AA	mg/L	0.0018	<0.001	0.0068	<0.001
BE/T/AA	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
CD/T/AA	mg/L	<0.0005	<0.0005	<0.0005	<0.0005
CA/T/FLAA	mg/L	1690	440	6834	261
CR/T/AA	mg/L	0.0011	0.0015	0.0011	<0.001
CU/T/AA	mg/L	0.05	0.02	0.16	0.02
FE/T/AA	mg/L	0.14	1.31	1.00	0.14
PB/T/AA	mg/L	<0.001	0.0014	<0.001	<0.001
MG/T/FLAA	mg/L	5.20	7.94	2.70	6.73
MN/T/AA	mg/L	0.06	0.04	0.22	0.02
HG/T/CVAA	mg/L	0.0009	0.0009	0.001	0.0014
NI/T/AA	mg/L	0.11	<0.07	0.36	<0.07
SE/T/AA	mg/L	<0.001	<0.001	0.010	<0.001
AG/T/AA	mg/L	0.0006	<0.0005	<0.0005	<0.0005
NA/T/FLAA	mg/L	1090	147	4628	24.0
TL/T/AA	mg/L	<0.001	<0.001	<0.001	<0.001
ZN/T/FLAA	mg/L	0.02	0.02	0.05	0.02

LABORATORY DIRECTOR

PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 06/02/95

QA/QC for SAMPLE Nos: 35363, 35364, 35365, 35366,
Page 1

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
ALKALINITY,BICARB. EPA310.1 mg/l	35363	123.8	124.3	0.50	0.40	------	QC#3409	131	130	99.20
TOT.ORGANIC CARBON EPA 415.1 mg/L	-------	--------	--------	--------	--------	------	KHP	10.000	9.132	93.12
CHLORIDE EPA 325.3 mg/L	35366	155.5	143.9	12	7.75	------	STD	60.0	58.8	97.90
AMMONIA NITROGEN EPA350.1 mg/L	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
UN-IONIZED AMMONIA N EPA 350.1 mg/L	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
TOTAL ORGANIC N CALC-351.3 mg/L	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
NITRATE/NITRITE EPA 353.2 mg/l	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									

PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 06/02/95

QA/QC for SAMPLE Nos: 35363, 35364, 35365, 35366,
Page 2

Analyte	LAB ID	Precision Data: Replicate A	Replicate B	Range	RPD %	Accuracy Data: % Spike Recovery	Reference Sample Data: Reference Sample ID	Target	Found	% Recovery
TOTAL NITROGEN CALC. MG/L	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
OIL AND GREASE EPA413.1 mg/l	-------	--------	--------	--------	--------	------	9964	74.1	60.3	81.40
PH,LAB EPA150.1 std units	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
TOTAL PHENOLS 420.1,2,3 mg/L	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
TOTAL DISS.SOLIDS EPA160.1 mg/L	-------	--------	--------	--------	--------	------	STD	293	299	102.00
SPEC.CONDUCTIVITY EPA120.1 umhos	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
SULFATE EPA375.4 mg/L	-------	--------	--------	--------	--------	------	STD	20.0	20.4	101.80

PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 06/02/95

QA/QC for SAMPLE Nos: 35363, 35364, 35365, 35366,
Page 3

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
TURBIDITY EPA180.1 NTU		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
TOTAL ORGANIC HALIDES SM 506 mg/l		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
ANTIMONY,TOTAL 204.2 mg/L	35363	8.24	8.02	0.22	2.71	107.00	3411	7.43	7.90	106.30
ARSENIC,TOTAL 206.2 mg/L	35363	1.83	1.92	0.090	4.80	98.40	3411	6.43	7.17	111.50
BERYLLIUM,TOTAL 210.2 mg/L	35363	0.07	0.03	0.040	80.00	105.00	3411	4.29	4.10	95.50
CADMIUM,TOTAL 213.2 mg/L	35363	0.10	0.09	0.010	10.53	81.50	----------	--------	--------	------
CALCIUM,TOTAL 215.1 mg/L	35363	1690	1685	5.0	0.30	102.80	----------	--------	--------	------

PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 06/02/95

QA/QC for SAMPLE Nos: 35363, 35364, 35365, 35366,
Page 4

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
CHROMIUM,TOTAL 218.2 mg/L	35363	1.07	1.13	0.060	5.45	95.70	3411	15.0	15.8	105.30
COPPER,TOTAL 220.2 mg/L	35363	0.47	0.52	0.050	10.10	103.50	3411	721	730	101.20
IRON,TOTAL 236.2 mg/L	35363	0.13	0.15	0.020	14.29	102.00	3411	324	343	105.80
LEAD,TOTAL 239.2 mg/L	35363	0.10	0.16	0.060	46.15	88.30	3411	3.57	4.10	114.80
MAGNESIUM,TOTAL 242.1 mg/L	35363	5.1	5.3	0.20	3.85	98.60	----------	--------	--------	------
MANGANESE,TOTAL 243.2 mg/L	35363	0.06	0.06	0	0.00	93.10	3411	121	116	95.80
MERCURY,TOTAL 245.1 mg/L	35363	1.05	0.87	0.18	18.75	89.30	----------	--------	--------	------

PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 06/02/95

QA/QC for SAMPLE Nos: 35363, 35364, 35365, 35366,
Page 5

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
NICKEL,TOTAL 249.2 mg/L	35363	0.11	0.11	0	0.00	108.10	3411	104	92	88.50
SELENIUM,TOTAL 270.2 mg/L	35363	2.84	2.47	0.37	13.94	------	----------	--------	--------	------
SILVER,TOTAL 272.2 mg/L	35363	0.65	0.55	0.10	16.67	85.00	----------	--------	--------	------
SODIUM,TOTAL 273.1 mg/L	35363	1100	1090	10	0.91	100.60	----------	--------	--------	------
THALLIUM,TOTAL 279.2 mg/L	35363	0.41	0.38	0.030	7.59	96.00	----------	--------	--------	------
ZINC,TOTAL 289.1 mg/L	35363	0.02	0.02	0	0.00	110.70	3411	643	639	99.40

PASCO COUNTY, FLORIDA

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS DATE	TIME	ANALYST
AG/T/AA	272.2	05/31/95	1100	TER
AS/T/AA	206.2	05/31/95	1450	TER
BE/T/AA	210.2	06/02/95	0915	TER
BICARB.ALK	EPA310.1	04/20/95	1400	JK
CA/T/FLAA	215.1	06/02/95	1100	TER
CD/T/AA	213.2	05/31/95	1130	TER
CL-	EPA 325.3	04/21/95	1000	JK
COND	EPA120.1	04/18/95	1645	JS
COND,FIELD	EPA 120.1	04/18/95	1045	CHR
CR/T/AA	218.2	05/31/95	1230	TER
CU/T/AA	220.2	05/31/95	0845	TER
DO, FIELD	EPA 360.1	04/18/95	1045	CHR
FE/T/AA	236.2	05/31/95	0930	TER
FIELD TEMP	EPA 170.1	04/18/95	1045	CHR
HG/T/CVAA	245.1	05/02/95	1545	TER
MG/T/FLAA	242.1	06/02/95	1040	TER
MN/T/AA	243.2	05/31/95	0910	TER
NA/T/FLAA	273.1	06/02/95	1115	TER
NH3	EPA350.1	04/20/95	1600	TER
NH3-UNION	EPA 350.1	04/24/95	1000	CEM
NI/T/AA	249.2	05/31/95	0940	TER
NO2+N03	EPA 353.2	04/18/95	1630	IF
O+G	EPA413.1	04/25/95	1400	TER
PB/T/AA	239.2	05/31/95	1400	TER
PH	EPA150.1	04/18/95	1640	JS
PH, FIELD	EPA 150.0	04/18/95	1045	CHR
PHENOLS	420.1,2,3	04/24/95	0800	GJM
SB/T/AA	204.2	05/31/95	1550	TER
SE/T/AA	270.2	05/31/95	1520	TER
SO4	EPA375.4	04/25/95	1000	JK
TDS	EPA160.1	04/20/95	1500	JK
TL/T/AA	279.2	05/31/95	1630	TER
TN	CALC.	04/24/95	1000	CEM
TOC	EPA 415.1	04/20/95	1100	IF
TON	CALC-351.3	04/20/95	1600	TER
TOX	SM 506	04/26/95	0800	KAA
TURB	EPA180.1	04/18/95	1645	JS
ZN/T/FLAA	289.1	05/31/95	0900	TER

BROW...RD TESTING LABORATORY, INC.
4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

Potable Water Laboratory Certification Number BTL#1-86137

Environmental Laboratory Certification Number 86035

LABORATORY PARAMETER ANALYSIS REPORT

PROJECT: PASCO COUNTY UTILITIES

SOURCE: RESOURCE RECOVERY
LAB NUMBER: 976-1823 THRU 976-1826
SAMPLED BY: CLIENT

SAMPLE DATE: 4/19/95
SAMPLE TIME: N/A
COMPLETION DATE: 5/10/95

PARAMETER: PHENOLS METHOD: 420.1

LAB NUMBER	SAMPLE SITE	ANALYSIS RESULT	UNITS	DATE
976-1823	A-1 PRIMARY	.068	Mg/L	4/24/95
976-1824	SW-SECONDARY	.014	Mg/L	4/25/95
976-1825	SW-PRIMARY	1.01	Mg/L	5/05/95
976-1826	A-1 SECONDARY	1.06	Mg/L	5/05/95

REVIEWED BY: Gary J. Meyer
Gary J. Meyer, Laboratory Director

TELEPHONE: 1-800-458-3330 FAX: (216) 449-8585

AFE DRINKING WATER ANALYTE SHEET

STATE OF FLORIDA
DEPARTMENT OF HEALTH AND REHABILITATIVE SERVICES

LABORATORY: BROWARD TESTING LABORATORY

CERTIFICATION NUMBER: 86418

DATE: DECEMBER 05, 1994

Supersedes previous analyte sheet dated: OCTOBER 18, 1993

X indicates ANALYTE CERTIFIED

MICROBIOLOGY	METHODS
X Membrane Filter	SM909A
X Multiple Tube Fermentation	SM908C
___ MMO-MUG	_____
X P/A	SM908E
X Fecal/E.Coli	SM908C

PRIMARY INORGANIC	AA(FL)	AA(FUR)	ICP	OTHER
1. METALS				
X ANTIMONY	_____	204.2	_____	_____
X ARSENIC	_____	206.2	_____	_____
X BARIUM	_____	208.2	_____	_____
X BERYLLIUM	_____	210.2	_____	_____
X CADMIUM	_____	213.2	_____	_____
X CHROMIUM	_____	218.2	_____	_____
X LEAD	_____	239.2	_____	_____
X MERCURY	_____	_____	_____	245.1
X NICKEL	_____	249.2	_____	_____
X SELENIUM	_____	270.2	_____	_____
X SODIUM	273.1	_____	_____	_____
X THALLIUM	_____	279.2	_____	_____
2. LEAD AND COPPER				
X LEAD	_____	239.2	_____	_____
X COPPER	220.1	220.2	_____	_____
3. NITRATE AND NITRITE				
X NITRATE	_____	_____	_____	353.2, 300.0
X NITRITE	_____	_____	_____	353.2, 300.0
X TOTAL NO2-NO3	_____	_____	_____	353.2
4. CYANIDE				
X CYANIDE	_____	_____	_____	335.2
5. FLUORIDE				
X FLUORIDE	_____	_____	_____	340.2, 300.0
6. ASBESTOS				
___ ASBESTOS	_____	_____	_____	_____

SECONDARY INORGANIC	AA(FL)	AA(FUR)	ICP	OTHER
X ALUMINUM	_____	202.2	_____	_____
X CHLORIDE	_____	_____	_____	325.3, 300.0
X COLOR	_____	_____	_____	110.3
X COPPER	220.1	_____	_____	_____
X FLUORIDE	_____	_____	_____	340.2, 300.0
X FOAMING AGENTS	_____	_____	_____	425.1
X IRON	236.1	_____	_____	_____
X MANGANESE	_____	243.2	_____	_____
X ODOR	_____	_____	_____	140.1
X pH	_____	_____	_____	150.1
X SILVER	_____	272.2	_____	_____
X SULFATE	_____	_____	_____	375.4, 300.0
X TDS	_____	_____	_____	160.1
X ZINC	289.1	_____	_____	_____

PESTICIDES AND PCB'S	GC	GC/MS	HPLC
1. INSECTICIDES			
X ALACHLOR	_____	525.1	_____
X ATRAZINE	_____	525.1	_____
X CHLORDANE	508	_____	_____
X ENDRIN	508	525.1	_____
X HEPTACHLOR	508	525.1	_____
X HEPTACHLOR EPOXIDE	508	525.1	_____
X LINDANE	508	525.1	_____
X METHOXYCHLOR	508	525.1	_____
X TOXAPHENE	508	_____	_____
X HEXACHLOROBENZENE	_____	525.1	_____
X HEXACHLOROCYCLOPENTADIENE	_____	525.1	_____
X SIMAZINE	_____	525.1	_____
2. HERBICIDES			
X 2,4-D	515.1	_____	_____
X PENTACHLOROPHENOL	515.1	525.1	_____
X 2,4,5-TP (SILVEX)	515.1	_____	_____
X DALAPON	515.1	_____	_____
X DINOSEB	515.1	_____	_____
X PICLORAM	515.1	_____	_____
3. CARBAMATES			
X CARBOFURAN	_____	_____	531.1
X OXAMYL (VYDATE)	_____	_____	531.1
4. DISINFECTANT BY-PRODUCTS/VOC's			
X 1,2-DIBROMO-3-CHLOROPROPANE	504		
X ETHYLENE DIBROMIDE	504		
5. MISCELLANEOUS SOC'S			
X DIQUAT	_____	_____	549
X ENDOTHALL	548	_____	_____
X GLYPHOSATE	_____	_____	547
6. PCB'S			
X DECACHLOROBIPHENYL	508	508A	_____
7. ADIPATES AND PHTHALATES			
X DI(2-ETHYLHEXYL) ADIPATE	_____	525.1	_____
X DI(2-ETHYLHEXYL) PHTHALATE	_____	525.1	_____
8. PAH			
X BENZO(a)PYRENE	_____	525.1	_____

P.O. BOX 210 • JACKSONVILLE, FLORIDA 32231

LAWTON CHILES, GOVERNOR

BROWARD TESTING LABORATORY, INC.
4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

Potable Water Laboratory Certification Number BTL#2-86418

Environmental Laboratory Certification Number 86035

LABORATORY PARAMETER ANALYSIS REPORT

PROJECT: PASCO COUNTY UTILITIES

SOURCE: RESOURCE RECOVERY
LAB NUMBER: 976-1823 THRU 976-1826
SAMPLED BY: CLIENT

SAMPLE DATE: 4/19/95
SAMPLE TIME: N/A
COMPLETION DATE: 5/10/95

PARAMETER	METHOD	ANALYSIS RESULT	UNITS	DATE

TOX WAS SUBCONTRACTED TO LAW ENVIRONMENTAL LABORATORIES,
SEE ATTACHED REPORTS

REVIEWED BY: Gary J. Meyer
Gary J. Meyer, Laboratory Director

TELEPHONE: 1-800-458-3330 FAX: (216) 449-8585

LAW ENVIRC MENTAL NATIONAL LABC ATORIES

TEST DATA REPORT

05/05/95

--- Project Information ---

Ms. Jackie Kramer

Broward Testing Laboratory,Inc.

1034 N.E. 44th Court

Ft. Lauderdale, FL 33334

Project Name: BROW2

Client #32660 Project #BLT976

--- Sample Information ---

Station ID: BTL976-1823

Lab ID: AA70523

Collector: UNKNOWN

A-1 Primary

Date Sampled: 04/19/95

Time Sampled:

Log In Date: 04/25/95

Log In Time: 13:23

--- Test Information ---

Parameter	Units	Method	Det Lim	Result	Analysis Date	Analysis Tech
521-Organic Halides EPA 9020	ug/L	EPA 9020	5.0	310	04/26/95	KAA

Remarks:

Signed: _____

James M.G. Tucci

Laboratory Manager

LAW ENVIRC MENTAL NATIONAL LABC ATORIES

TEST DATA REPORT

05/05/95

--- Project Information ---

Ms. Jackie Kramer

Broward Testing Laboratory,Inc.

1034 N.E. 44th Court

Ft. Lauderdale, FL 33334

Page 1

Project Name: BROW2

Client #32660 Project #BLT976

--- Sample Information ---

Station ID: BTL976-1826

Lab ID: AA70526

Collector: UNKNOWN

A-1 Secondary

Date Sampled: 04/19/95

Time Sampled:

Log In Date: 04/25/95

Log In Time: 13:23

--- Test Information ---

Parameter	Units	Method	Det Lim	Result	Analysis Date	Tech
521-Organic Halides EPA 9020	ug/L	EPA 9020	5.0	290	04/26/95	KAA

Remarks:

Signed: _____

James M.G. Tucci

Laboratory Manager

LAW ENVIRC MENTAL NATIONAL LABC ATORIES

TEST DATA REPORT

05/05/95

--- Project Information ---

Ms. Jackie Kramer

Broward Testing Laboratory,Inc.

1034 N.E. 44th Court

Ft. Lauderdale, FL 33334

Page 1

Project Name: BROW2

Client #32660 Project #BLT976

--- Sample Information ---

Station ID: BTL976-1825

Lab ID: AA70525

Collector: UNKNOWN

SW - Primary

Date Sampled: 04/19/95

Time Sampled:

Log In Date: 04/25/95

Log In Time: 13:23

--- Test Information ---

Parameter	Units	Method	Det Lim	Result	Analysis Date	Tech
521-Organic Halides EPA 9020	ug/L	EPA 9020	5.0	660	04/26/95	KAA

Remarks:

Signed: _____

James M.G. Tucci

Laboratory Manager

LAW ENVIR('MENTAL NATIONAL LAB(.ATORIES

TEST DATA REPORT

05/05/95

--- Project Information ---

Ms. Jackie Kramer

Broward Testing Laboratory,Inc.

1034 N.E. 44th Court

Ft. Lauderdale, FL 33334

Page 1

Project Name: BROW2

Client #32660 Project #BLT976

--- Sample Information ---

Station ID: BTL976-1824

Lab ID: AA70524

Collector: UNKNOWN

SW Secondary

Date Sampled: 04/19/95

Time Sampled:

Log In Date: 04/25/95

Log In Time: 13:23

--- Test Information ---

Parameter	Units	Method	Det Lim	Result	Analysis Date	Tech
521-Organic Halides EPA 9020	ug/L	EPA 9020	5.0	250	04/26/95	KAA

Remarks:

Signed: _____

James M.G. Tucci

Laboratory Manager

BROWARD TESTING LABORATORY, INC.
4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

Potable Water Laboratory Certification Number BTL#1-86137

Environmental Laboratory Certification Number 86035

LABORATORY PARAMETER ANALYSIS REPORT

PROJECT: PASCO COUNTY UTILITIES

SOURCE: SEE BELOW
LAB NUMBER: 976-1791 THRU 976-1794
SAMPLED BY: CLIENT

SAMPLE DATE: 4/18/95
SAMPLE TIME: N/A
COMPLETION DATE: 5/10/95

PARAMETER: LEAD METHOD: 239.2

LAB NUMBER	SAMPLE SITE	ANALYSIS RESULT	UNITS	DATE
976-1791	A-1 PRIMARY	<0.001	Mg/L	4/20/95
976-1792	A-1 SECONDARY	<0.001	Mg/L	4/20/95
976-1793	SW-PRIMARY	<0.001	Mg/L	4/20/95
976-1794	SW-SECONDARY	<0.001	Mg/L	4/20/95

REVIEWED BY: Gary J. Meyer
Gary J. Meyer, Laboratory Director

TELEPHONE: 1-800-458-3330 FAX: (216) 449-8585

BROWARD TESTING LABORATORY, INC.
4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

QA/QC DATA ENTRY SHEET

SAMPLE NUMBER:_1791-94_(Pb)_____

PARAMETER	Blank Value	% Recovery (matrix spike)	Rel. % Difference (dups)	Date	Init.
ANTIMONY					
ARSENIC					
BARIUM					
BERYLLIUM					
CADMIUM					
CHROMIUM					
LEAD	<0.001	91%	0	4/05	M.G.
MERCURY					
NICKEL					
SELENIUM					
SODIUM					
THALLIUM					

CYANIDE					
FLUORIDE					
NO3-N + NO2-N					
NITRATE					
NITRITE					

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PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

RESOURCE RECOVERY
14230 HAYS ROAD
SPRING HILL, FL 34610-
Attn: VINCENT MANNELLA

DATE: 05/05/95
DHRS # 54237, E44123

SAMPLE NUMBER- 35686 SAMPLE ID- RRL SW-1 SAMPLE MATRIX- LE
DATE SAMPLED- 04/27/95 TIME SAMPLED- 1110
DATE RECEIVED- 04/27/95 SAMPLER- CHRIS CHILDRESS RECEIVED BY- DH
TIME RECEIVED- 1520 DELIVERED BY- CHRIS CHILDRESS TYPE SAMPLE- Pumped

ANALYSIS	METHOD	ANALYSIS DATE	TIME	BY	RESULT	UNITS
AMMONIA NITROGEN	EPA350.1	05/04/95	1600	TER	28.7	mg/L
KJELDAHL NITROGEN	EPA351.2	05/04/95	1600	TER	31.1	mg/L

LABORATORY DIRECTOR

PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 05/05/95

QA/QC for SAMPLE Nos: 35686,
Page 1

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
AMMONIA NITROGEN EPA350.1 mg/L	950504	9.83	10.00	0.17	1.71	------	----------	--------	--------	------
KJELDAHL NITROGEN EPA351.2 mg/L	950504	9.83	10.00	0.17	1.71	------	----------	--------	--------	------