

gwfile



PASCO COUNTY, FLORIDA

DADE CITY (352) 521-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8902
FAX (813) 847-8064

ENVIRONMENTAL LABORATORY
PASCO COUNTY GOVT. COMPLEX
7530 LITTLE ROAD
NEW PORT RICHEY, FL 34654

May 27, 1997

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

D.E.P.

MAY 28 1997

SOUTHWEST DISTRICT
TAMPA

RE: West Pasco Class I Sanitary Landfill
Groundwater Monitoring
Semester ~~II~~^I, 1997

Dear Ms. Amram:

Enclosed please find the groundwater monitoring analyses from monitoring wells 2MW1, 2MW2, 2MW4, 2MW5, 2MW6, 4MW1, 4MW2, 4MW4, 4MW5 and 4MW6 at the West Pasco Class I Sanitary Landfill for the first semester (Jan-Jun) sampling period. These wells were analyzed for the parameters listed in 62-701(8)(a) Florida Administrative Code. All associated Quality Assurance/Quality Control data is also included for all analyses. Please note that groundwater monitoring well 4MW1 was resampled for sodium, TDS, and chlorides. The initial sodium result was extremely low considering the overall water quality of the well. Upon resampling the sodium level was detected at a higher level and this result reported. Though higher the MCL was not exceeded for this analyte. All reports are included for your records.

Also, included in this submittal is a summary table listing the wells which exhibited exceedences for regulated analytes. Finally, a groundwater contour map for this site is included.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "Candia E. Mulhern".

Candia E. Mulhern
Laboratory Manager

CEM/as

Enclosures

cc: Chongman Lee, Florida Department of Environmental Protection, Waste Management Section, Twin Towers Bldg., 2600 Blair Stone Road, Tallahassee, FL 32399-3400
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager

Florida Department of Environmental Protection

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

DEP Form # 62-522.600(2)
Form Title <u>GROUND WATER MONITORING REPORT</u>
Effective Date _____
DEP Application No. _____

GROUND WATER MONITORING REPORT

Rule 62-522.600(11)

PART I GENERAL INFORMATION

- (1) Facility Name Resource Recovery - West Pasco Class I Landfill
Address Hays Road
City Hudson, Florida Zip 34610
Telephone Number ()
- (2) The GMS Identification Number 4051C00030
- (3) DEP Permit Number PA87-23
- (4) Authorized Representative Name Candia E. Mulhern
Address 8864 Government Drive
City New Port Richey, Florida Zip 34654
Telephone Number (813) 847-8902
- (5) Type of Discharge Landfill
- (6) Method of Discharge Unknown

Certification

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

Date: 04/23/97



Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization Comp QAP # _____
- Analytical Lab Comp QAP #/HRS Certification # 870167 G/7. 54237, E44123
*Comp QAP #/HRS Certification # 870202 G Potable BTL #1-86173 & 86418 Env. 86035
- Lab Name Pasco County Environmental Laboratory
- Address 8864 Government Drive, New Port Richey, FL 34654
- Phone Number (813) 847-8902

DEP Form #	62-522.900(2)
Form Title	GROUND WATER MONITORING REPORT
Effective Date	
DEP Application No.	

Florida Department of Environmental Protection
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

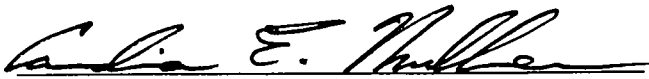
PART I - GENERAL INFORMATION

- (1) Facility Name: Resource Recovery - West Pasco Class I Landfill
 Address: Hays Road
 City, State, Zip: Hudson, Fl 34610
 Telephone Number: _____
- (2) The GMS Identification Number: 4051C00030
- (3) DEP Permit Number: PA87-23
- (4) Authorized Representative Name: Candia E. Mulhern
 Address: 8864 Government Drive
 City, State, Zip: New Port Richey, Fl 34654
 Telephone Number: (813) 847-8902
- (5) Type of Discharge: UNKNOWN
- (6) Method of Discharge: Unknown

Certification

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

Date: _____


Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

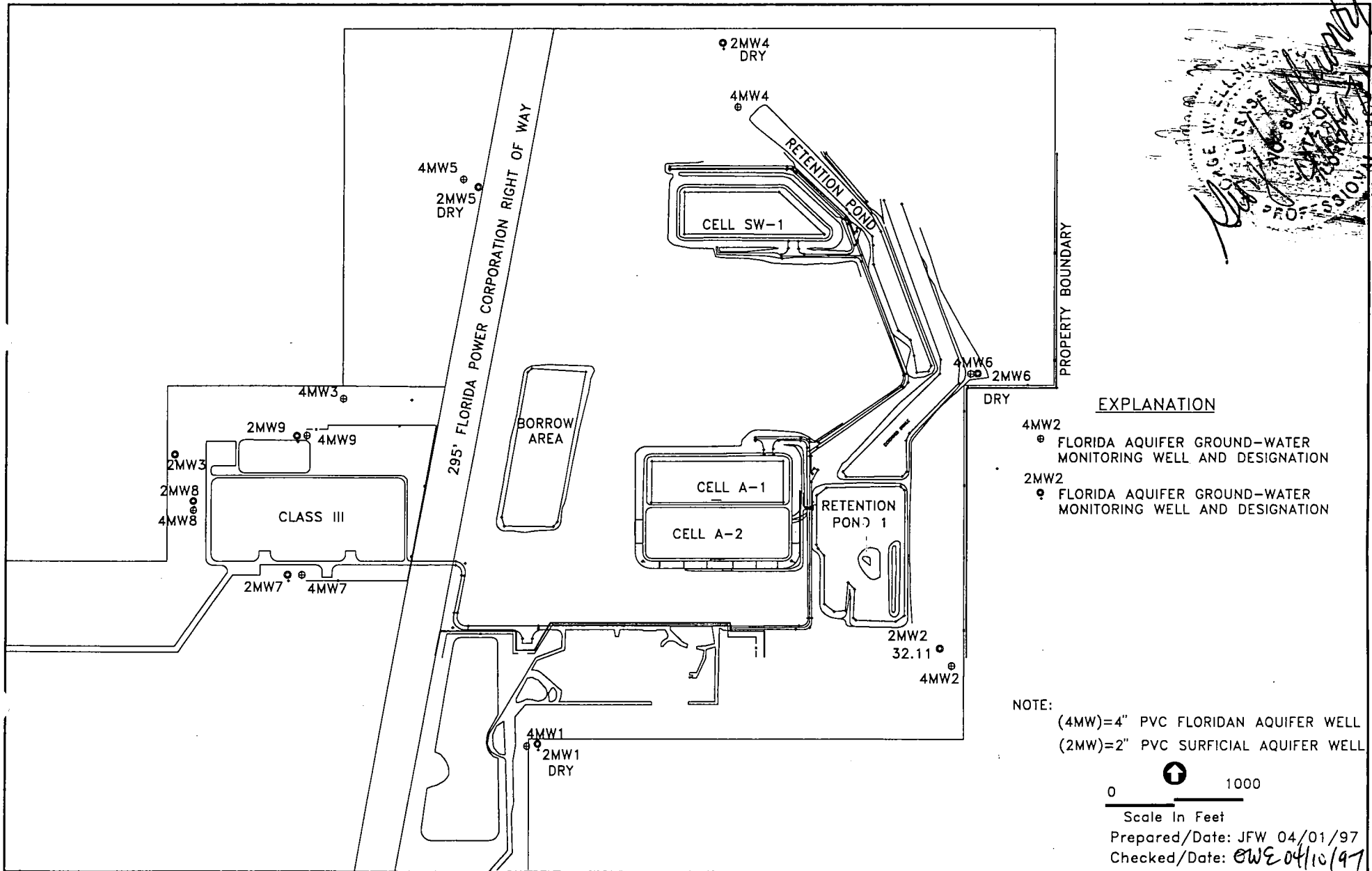
Analytical Lab Comp QAP #/HRS Certification #8702026; 86418, E86035 Broward Testing Laboratory
 Comp QAP #/HRS Certification #910150; E86278 Toxicon Corporation

Lab Name: Broward Testing Laboratory

Address: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334

Phone Number: (216) 449-2525

ACAD=41508692



West Pasco Class I Landfill
 Pasco County
 Board of County Commissioners
 Utility Services Branch
 Pasco County, Florida



LAW
 ENGINEERING AND ENVIRONMENTAL
 SERVICES

Ground-Water Monitoring

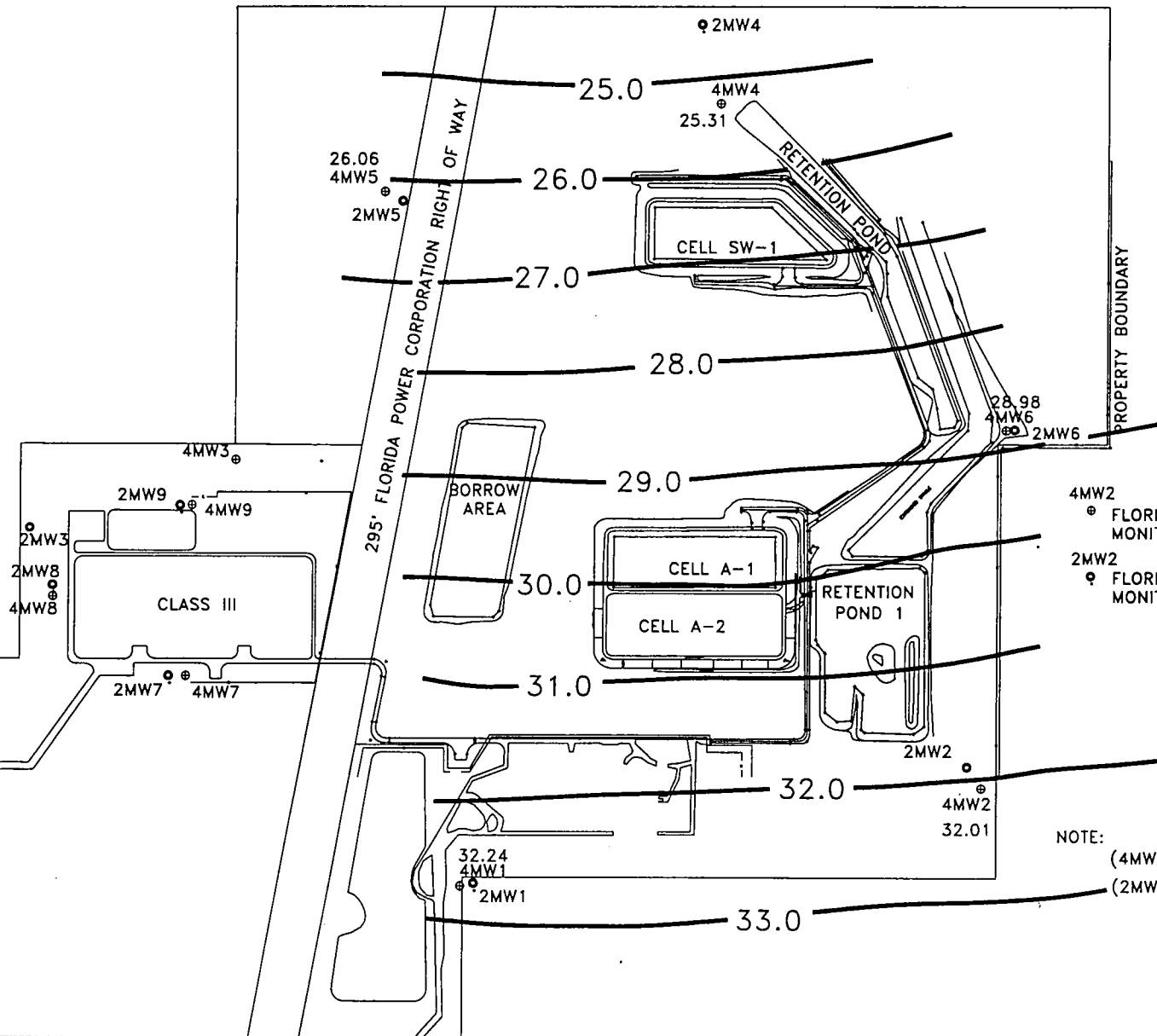
Surficial Aquifer Water Table Map
 FEBUARY 1997

Project 40141-5-0869

Figure 1

ACAD=41508692

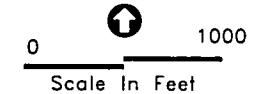
Professional Seal
 GEORGE W. ELLSWORTH
 LICENSE
 PROFESSIONAL
 11/11/97



EXPLANATION

- 4MW2
⊕ FLORIDA AQUIFER GROUND-WATER MONITORING WELL AND DESIGNATION
- 2MW2
⊙ FLORIDA AQUIFER GROUND-WATER MONITORING WELL AND DESIGNATION

NOTE:
 (4MW)=4" PVC FLORIDAN AQUIFER WELL
 (2MW)=2" PVC SURFICIAL AQUIFER WELL



Prepared/Date: JFW 04/01/97
 Checked/Date: GWE 04/10/97

West Pasco Class I Landfill
 Pasco County
 Board of County Commissioners
 Utility Services Branch
 Pasco County, Florida



Ground-Water Monitoring
 Floridan Aquifer Potentiometric Surface Map
 FEBUARY 1997
 Project 40141-5-0869
 Figure 2

RESOURCE RECOVERY CLASS I LANDFILL
GROUNDWATER EXCEEDENCE SUMMARY SHEET
SEMESTER I, 1997

<u>WELL</u>	<u>ANALYTE</u>	<u>RESULT (mg/L)</u>	<u>RESAMPLE</u>
4MW1	CHLORIDE	514	520
	TDS	1580	1492
2MW2	NITRATE	16.5	15.5

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 02/18/97

Test Site ID #: 4051A16506

Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2M-1

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: (XXX) Background
() Intermediate
() Compliance
() Other

Groundwater Elevation (NGVD):

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Wiz. Ded. Mon. System	No	EPA 273.1		Dry mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1		Dry mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1		Dry Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Dry °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500C1-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1		Dry mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2		Dry mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		Dry MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"			Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/18/97 @ 1430

Test Site ID #: 4051A16511 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 4MM-1 Well Purged (Y/N): YES

Classification of Groundwater: Floridan Well Type: (XXX) Background
() Intermediate
() Compliance
() Other

Groundwater Elevation (NGVD): _____
or (MSL): 32.24

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Wiz. Ded. Mon. System	No	EPA 273.1	02/21/97 1120	104 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	02/21/97 1010	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	02/24/97 1055	<0.0002 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	02/18/97 1430	6.69 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/18/97 1430	24.9 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/18/97 1430	1,784 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/18/97 1430	0.6 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/18/97 1500	0.06 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/24/97 1130	514 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/19/97 1600	1,580 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/28/97 1640	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	02/18/97 1600	1.39 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		02/18/97 1430	32.24 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/18/97 @ 14:30

Test Site ID #: _____

Report Period: _____
(Year/Quarter)

WELL NAME: 4MW1 RESOURCE RECOVERY

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					μmhos/cm	μmhos/cm
01095	Antimony			SM3113B	02/26/97	0.004	0.002
01000	Arsenic			SM3113B	02/26/97	ND	0.003
01005	Barium			EPA 200.7	03/06/97	ND	0.100
01010	Beryllium			EPA 200.7	03/06/97	ND	0.004
01025	Cadmium			SM3113B	02/26/97	ND	0.0004
01030	Chromium			EPA 200.7	03/06/97	ND	0.010
01035	Cobalt			EPA 200.7	03/06/97	ND	0.010
01040	Copper			EPA 200.7	03/06/97	ND	0.010
01049	Lead			SM3113B	02/24/97	0.0005	0.0004
01065	Nickel			EPA 200.7	03/06/97	ND	0.020
1145	Selenium			SM3113B	02/27/97	0.008	0.001
01075	Silver			EPA 200.7	03/06/97	ND	0.007
01057	Thallium			EPA 200.9	02/27/97	ND	0.001
01085	Vanadium			EPA 200.7	03/06/97	ND	0.010
01090	Zinc			EPA 200.7	04/23/97	0.049	0.005

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	03/03/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	03/03/97	ND	5.00
34235	Benzene			EPA 502.2	02/28/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	03/03/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	03/03/97	ND	5.00
32104	Bromoform			EPA 8260A	03/03/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	03/03/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/28/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	03/03/97	ND	5.00
34311	Chloroethane			EPA 8260A	03/03/97	ND	10.0
32106	Chloroform			EPA 8260A	03/03/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	03/03/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/25/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/25/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	03/03/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	03/03/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/28/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	03/03/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	03/03/97	ND	5.00
77103	2-Hexanone			EPA 8260A	03/03/97	ND	10.0
34413	Methyl bromide			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34418	Methyl chloride			EPA 8260A	03/03/97	ND	2.7 5.00
77596	Methylene bromide			EPA 8260A	03/03/97	ND	10.0
34423	Methylene chloride			EPA 8260A	03/03/97	ND	5 10.0
81595	Methyl ethyl ketone			EPA 8260A	03/03/97	ND	10.0
49262	Methyl iodide			EPA 8260A	03/03/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	03/03/97	ND	10.0
77128	Styrene			EPA 8260A	03/03/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	1 5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	1.2 5.00
34476	Tetrachloroethene			EPA 502.2	02/28/97	ND	0.5
78131	Toluene			EPA 8260A	03/03/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/28/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	03/03/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	03/03/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	03/03/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/28/97	ND	0.5
81551	Xylenes			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

PUBLIC WATER SYSTEM INFORMATION (to be completed by system or lab)

System Name: _____ ID #: 4mw1

Address: _____

Type (check one): ☐ Community ☐ Nontransient Noncommunity ☐ Noncommunity

Contact: _____ Phone #: _____

Order for Analysis Placed By (if different from above): _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02/18/97 Sample Time: 1430Sample Location (be specific): RESOURCE RECOVERYSampler Name and Phone: CHRIS CHILDRESS

Sampler Signature and Title: _____

Check Type:

☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each siteLABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave. Ft. Lauderdale, FL 33334 Phone: 800-458-3330

Subcontracted Lab Name & HRS #: _____

Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140203 Date Sample Received: 2/19/97

Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

☐ Nitrate Only☐ Nitrite Only☐ Asbestos Only

Inorganics

Volatile Organics

Secondaries

☐ All 17 ☒ Partial☐ All 21 ☒ Partial☐ All 14 ☐ Partial☐ Trihalomethanes

Pesticides/PCB's

Radiochemicals

☐ Other☐ All 30 ☐ Partial☐ Single Sample☐ Qtry Composite**

Group I Unregulateds

Group II Unregulateds

Group III Unregulateds

☐ All 13 ☐ Partial☐ All 23 ☐ Partial☐ All 11 ☐ Partial

**Provide radiochemical sample dates & locations for each quarter

I, Garv J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.Date: 3/19/97Title: Laboratory DirectorSignature: Garv J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

*All HRS lab numbers and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in collection of the analyses and possible enforcement against the public water system for failure to sample.

Effective January 1995

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL

SPECIAL INSTRUCTIONS

62-550
Primary Inorganics, Partial
Antimony, Thallium, Arsenic
Cadmium, Lead, Selenium

COMMENTS

Pri. Voc. Partial
Benzene, Carbon Tet.
1,2 dichloroethane,
tetrachloroethene
Trichloroethene
Vinyl Chloride

AND
QAQC

#1053367



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Date: 03/07/97 Report #: 7140203 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES
ATTN: CANDY MULHERN
8864 GOVERNMENT DR.
NEW PORT RICHEY, FL 34654-

Date Collected: 02/18/97
Time Collected: 14:30
SOURCE: P.C.E.L.
4MW1 / WELL
RESOURCE RECOVERY

Date received at lab: 02/19/97 Time received at lab: 01:15

Collected by : C.CHILDRESS

PLEASE NOTE: APPENDIX I WAS SUBCONTRACTED TO TOXIKON, SEE ATTACHED.

NOTE: "*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.
"ND" This contaminant was not detected at or above our stated detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date
Primary Inorganic Analysis 62-550.310 (1) (PWS030)						
1005 Arsenic	0.05	7140203	ND	3113B	0.003	02/26/97
1015 Cadmium	0.005	7140203	ND	3113B	0.0004	02/26/97
1030 Lead	0.015	7140203	0.0005	3113B	0.0004	02/24/97
1045 Selenium	0.05	7140203	0.008	3113B	0.001	02/27/97
1074 Antimony	0.006	7140203	0.004	3113B	0.002	02/26/97
1085 Thallium	0.002	7140203	ND	200.9	0.001	02/27/97



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Page 2. Sample Code: 7140203

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Method Result	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						
2976	Vinyl Chloride	1	7140203	ND	502.2 0.5	02/28/97
2980	1,2-Dichloroethane	3	7140203	ND	502.2 0.5	02/28/97
2982	Carbon Tetrachloride	3	7140203	ND	502.2 0.5	02/28/97
2984	Trichloroethylene	3	7140203	ND	502.2 0.5	02/28/97
2987	Tetrachloroethylene	3	7140203	ND	502.2 0.5	02/28/97
2990	Benzene	1	7140203	ND	502.2 0.5	02/28/97

These test results may be used for compliance purposes as required.

Gary Meyer, Lab Director

Received: 02/20/97

Results by Sample

SAMPLE ID <u>7140203</u>		SAMPLE # <u>04</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>02/18/97 14:30:00</u> Category <u>LIQUID</u>					
AG	ND	AS	ND	BA	ND
mg/L DL=0.007		mg/L DL=0.100		mg/L DL=0.100	
<u>3-6-97</u>		<u>3-6-97</u>		<u>3-6-97</u>	
BE	ND	CD	ND	CO	ND
mg/L DL=0.004		mg/L DL=0.005		mg/L DL=0.010	
<u>3-6-97</u>		<u>3-6-97</u>		<u>3-6-97</u>	
CR	ND	CU	ND	NI	ND
mg/L DL=0.010		mg/L DL=0.010		mg/L DL=0.020	
<u>3-6-97</u>		<u>3-6-97</u>		<u>3-6-97</u>	
PB	ND	SB	ND	SE	ND
mg/L DL=0.050		mg/L DL=0.150		mg/L DL=0.250	
<u>3-6-97</u>		<u>3-6-97</u>		<u>3-6-97</u>	
TL	ND	V	ND	ZN	0.049
mg/L DL=0.300		mg/L DL=0.010		mg/L DL=0.005	
<u>3-6-97</u>		<u>3-6-97</u>		<u>4-23-97</u>	

Received: 02/20/97

Results by Sample

SAMPLE ID 7140203 FRACTION 04A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected 02/18/97 14:30:00 Category LIQUID

EPA METHOD 504

	PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
	ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.020</u>	106-93-4
	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.020</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID 7140203FRACTION 04ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/18/97 14:30:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	5.00	Ethylbenzene	ND	5.00
Benzene	ND	5.00	2-Hexanone	ND	10.0
Bromochloromethane	ND	5.00	Methyl bromide	ND	5.00
Bromodichloromethane	ND	5.00	Methyl chloride	ND	5.00
Bromoform	ND	5.00	Methylene bromide	ND	10.0
Carbon disulfide	ND	5.00	Methylene chloride	ND	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	114%	86 - 118
Toluene-d8	101%	88 - 110
Bromofluorobenzene	100%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 02/18/97 @ 1130

Test Site ID #: 4051A16507

Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2MW-2

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD):

or (MSL): 32.11

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Wiz. Ded. Mon. System	No	EPA 273.1	02/21/97 1120	3.00 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	02/21/97 1010	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	02/24/97 1055	<0.0002 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	02/18/97 1130	5.02 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/18/97 1130	24.3 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/18/97 1130	175 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/18/97 1130	4.1 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/18/97 1500	0.5 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/24/97 1130	4.60 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/19/97 1600	178 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/28/97 1640	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	02/18/97 1600	16.5 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		02/18/97 1130	32.11 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/18/97 @ 11:30

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: 2MW2 RESOURCE RECOVERY

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					µmhos/cm	µmhos/cm
01095	Antimony			SM3113B	02/26/97	ND	0.002
01000	Arsenic			SM3113B	02/26/97	ND	0.003
01005	Barium			EPA 200.7	03/06/97	0.204	0.100
01010	Beryllium			EPA 200.7	03/06/97	ND	0.004
01025	Cadmium			SM3113B	02/26/97	0.00077	0.0004
01030	Chromium			EPA 200.7	03/06/97	ND	0.010
01035	Cobalt			EPA 200.7	03/06/97	ND	0.010
01040	Copper			EPA 200.7	03/06/97	ND	0.010
01049	Lead			SM3113B	02/24/97	ND	0.0004
01065	Nickel			EPA 200.7	03/06/97	ND	0.020
1145	Selenium			SM3113B	02/27/97	ND	0.001
01075	Silver			EPA 200.7	03/06/97	ND	0.007
01057	Thallium			EPA 200.9	02/27/97	ND	0.001
01085	Vanadium			EPA 200.7	03/06/97	ND	0.010
01090	Zinc			EPA 200.7	04/23/97	0.046	0.005

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	03/03/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	03/03/97	ND	5.00
34235	Benzene			EPA 502.2	02/20/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	03/03/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	03/03/97	ND	5.00
32104	Bromoform			EPA 8260A	03/03/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	03/03/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/20/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	03/03/97	ND	5.00
34311	Chloroethane			EPA 8260A	03/03/97	ND	10.0
32106	Chloroform			EPA 8260A	03/03/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	03/03/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/25/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/25/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	03/03/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	03/03/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/20/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	03/03/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	03/03/97	ND	5.00
77103	2-Hexanone			EPA 8260A	03/03/97	ND	10.0
34413	Methyl bromide			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
34418	Methyl chloride			EPA 8260A	03/03/97	ND	5.00
77596	Methylene bromide			EPA 8260A	03/03/97	ND	10.0
34423	Methylene chloride			EPA 8260A	03/03/97	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	03/03/97	ND	10.0
49262	Methyl iodide			EPA 8260A	03/03/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	03/03/97	ND	10.0
77128	Styrene			EPA 8260A	03/03/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/20/97	ND	0.5
78131	Toluene			EPA 8260A	03/03/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/20/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	03/03/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	03/03/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	03/03/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/20/97	ND	0.5
81551	Xylenes			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

PUBLIC WATER SYSTEM INFORMATION (to be completed by system or lab)

System Name: _____ ID #: 2mw2

Address: _____

Type (check one): ☐ Community ☐ Nontransient Noncommunity ☐ Noncommunity

Contact: _____ Phone #: _____

Order for Analysis Placed By (if different from above): _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02/18/97 Sample Time: 1130 AMSample Location (be specific): RESOURCE RECOVERYSampler Name and Phone: CHRIS CHILDRESSSampler Signature and Title: Chris ChildressCheck Type:
☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample
☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw
☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each siteLABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334 Phone: 800-458-3330Subcontracted Lab Name & HRS #: _____
Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140200 Date Sample Received: 2/19/97

Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

☐ Nitrate Only	☐ Nitrite Only	☐ Asbestos Only
Inorganics	Volatile Organics	Secondaries
☐ All 17 ☒ Partial	☐ All 21 ☒ Partial	☐ All 14 ☐ Partial
☐ Trihalomethanes	Pesticides/PCB's	Radiochemicals
☐ Other	☐ All 30 ☐ Partial	☐ Single Sample
Group I Unregulateds	Group II Unregulateds	Group III Unregulateds
☐ All 13 ☐ Partial	☐ All 23 ☐ Partial	☐ All 11 ☐ Partial

**Provide radiochemical sample dates & locations for each quarter

I, Gary J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.Date: MAR 06 1997Title: Laboratory DirectorSignature: Gary J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

FOR LABORATORY USE ONLY

SPECIAL INSTRUCTIONS

62-550
Primary Inorganics Partial
Antimony, Thallium, Arsenic
Cadmium, Lead, Selenium

COMMENTS

Pri. Voc Partial
Benzene, Carbon Tet.
1,2 dichloroethane,
Tetrachloroethene
Trichloroethene
Vinyl Chloride

AND
QAQC

#1053367

COMPLIANCE APPROVAL



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Date: 03/05/97 Report #: 7140200 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES

ATTN: CANDY MULHERN

8864 GOVERNMENT DR.

NEW PORT RICHEY, FL 34654-

Date Collected: 02/18/97

Time Collected: 11:30

SOURCE: P.C.E.L.

2MW2

RESOURCE RECOVERY

Date received at lab: 02/19/97

Time received at lab: 01:15

Collected by : C.CHILDRESS

PLEASE NOTE: APPENDIX I WAS SUBCONTRACTED TO TOXIKON, SEE ATTACHED.

NOTE: "*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.
"ND" This contaminant was not detected at or above our stated detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date

Primary Inorganic Analysis 62-550.310 (1) (PWS030)						

1005 Arsenic	0.05	7140200	ND	3113B	0.003	02/26/97
1015 Cadmium	0.005	7140200	0.00077	3113B	0.0004	02/26/97
1030 Lead	0.015	7140200	ND	3113B	0.0004	02/24/97
1045 Selenium	0.05	7140200	ND	3113B	0.001	02/27/97
1074 Antimony	0.006	7140200	ND	3113B	0.002	02/26/97
1085 Thallium	0.002	7140200	ND	200.9	0.001	02/27/97

**BROWARD TESTING LABORATORY, INC.**

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Page 2. Sample Code: 7140200

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Method Result	MDL	Anal Date

Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						

2976	Vinyl Chloride	1	7140200	ND	502.2 0.5	02/20/97
2980	1,2-Dichloroethane	3	7140200	ND	502.2 0.5	02/20/97
2982	Carbon Tetrachloride	3	7140200	ND	502.2 0.5	02/20/97
2984	Trichloroethylene	3	7140200	ND	502.2 0.5	02/20/97
2987	Tetrachloroethylene	3	7140200	ND	502.2 0.5	02/20/97
2990	Benzene	1	7140200	ND	502.2 0.5	02/20/97

These test results may be used for compliance purposes as required.

Gary Meyer, Lab Director

Received: 02/20/97

04/24/97 13:52:47

REPORT NATIONAL TESTING LABORATORY
TO 6555 WILSON MILLS ROAD
CLEVELAND, OHIO 44143
1(800)458-3330 F(216)449-8585

ATTEN SUSAN HENDERSON

PREPARED TOXIKON WEST PALM BEACH
BY 1860 OLD OKEECHOBEE RD. #401
WEST PALM BEACH, FL 33409
HRS #E86278,86396 QA# 910150G

ATTEN JOHN YAREMCHUKPHONE (407) 478-4803 FAX 478-0214

CERTIFIED BY

CONTACT JOHN

CLIENT NTL SAMPLES 7
COMPANY NATIONAL TESTING LABORATORY
FACILITY 6555 WILSON MILLS ROAD
CLEVELAND, OHIO 44143

Previously Reported on 03/14/97.

WORK ID 7140200-0203

First Reported on 03/14/97.

TAKEN 02/18/97TRANS COURIERTYPE LIQUID

P.O. #

INV. # 5347

SAMPLE IDENTIFICATION

TEST CODES and NAMES used on this workorder

01 <u>7140200</u>	504 <u>EDB AND DBCP BY GC</u>
02 <u>7140201</u>	8260A <u>PURGEABLE ORGANICS VOA</u>
03 <u>7140202</u>	AG <u>SILVER</u>
04 <u>7140203</u>	AS <u>ARSENIC</u>
05 <u>METHOD BLANK</u>	BA <u>BARIUM</u>
06 <u>MEAN % RECOVERY</u>	BE <u>BERYLLIUM</u>
07 <u>RPD</u>	CD <u>CADMIUM</u>
	CO <u>COBALT</u>
	CR <u>CHROMIUM</u>
	CU <u>COPPER</u>
	MEX TW <u>METALS, TOTAL EXT., WATER</u>
	NI <u>NICKEL</u>
	PB <u>LEAD</u>
	SB <u>ANTIMONY</u>
	SE <u>SELENIUM</u>
	TL <u>THALLIUM</u>
	V <u>VANADIUM</u>
	ZN <u>Zinc</u>

Received: 02/20/97

Results by Sample

SAMPLE ID <u>7140200</u>			SAMPLE # <u>01</u> FRACTIONS: <u>A</u>		
Date & Time Collected <u>02/18/97 11:30:00</u>			Category <u>LIQUID</u>		
AG <u>ND</u>	AS <u>ND</u>	BA <u>0.204</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.007 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.004 <u>3-6-97</u>	mg/L DL=0.005 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>
CR <u>ND</u>	CU <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.020 <u>3-6-97</u>	mg/L DL=0.050 <u>3-6-97</u>	mg/L DL=0.150 <u>3-6-97</u>	mg/L DL=0.250 <u>3-6-97</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>0.046</u>			
mg/L DL=0.300 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.005 <u>4-23-97</u>			

Received: 02/20/97

Results by Sample

SAMPLE ID 7140200FRACTION 01ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 02/18/97 11:30:00Category LIQUID**EPA METHOD 504**

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.020</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.020</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID 7140200FRACTION 01ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/18/97 11:30:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	5.00	Ethylbenzene	ND	5.00
Benzene	ND	5.00	2-Hexanone	ND	10.0
Bromochloromethane	ND	5.00	Methyl bromide	ND	5.00
Bromodichloromethane	ND	5.00	Methyl chloride	ND	5.00
Bromoform	ND	5.00	Methylene bromide	ND	10.0
Carbon disulfide	ND	5.00	Methylene chloride	ND	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	107%	86 - 118
Toluene-d8	99%	88 - 110
Bromofluorobenzene	101%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/18/97 @ 1115

Test Site ID #: 4051A16512 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 4MN-2 Well Purged (Y/N): YES

Classification of Groundwater: Floridan Well Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD): _____
or (MSL): 32.01

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Wiz. Ded. Mon. System	No	EPA 273.1	02/21/97 1120	2.74 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	02/21/97 1010	<0.02 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	02/24/97 1055	<0.0002 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	02/18/97 1115	7.11 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/18/97 1115	25.0 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/18/97	170 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/18/97 1115	1.2 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/18/97 1500	0.6 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/24/97 1130	3.55 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/19/97 1600	132 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/28/97 1640	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	02/18/97 1600	1.26 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		02/18/97	32.01 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/18/97 @ 11:15

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: 4MW2 RESOURCE RECOVERY

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					μ mhos/cm	μ mhos/cm
01095	Antimony			SM3113B	02/26/97	0.003	0.002
01000	Arsenic			SM3113B	02/26/97	ND	0.003
01005	Barium			EPA 200.7	03/06/97	ND	0.100
01010	Beryllium			EPA 200.7	03/06/97	ND	0.004
01025	Cadmium			SM3113B	02/26/97	ND	0.0004
01030	Chromium			EPA 200.7	03/06/97	ND	0.010
01035	Cobalt			EPA 200.7	03/06/97	ND	0.010
01040	Copper			EPA 200.7	03/06/97	ND	0.010
01049	Lead			SM3113B	02/24/97	ND	0.0004
01065	Nickel			EPA 200.7	03/06/97	ND	0.020
1145	Selenium			SM3113B	02/27/97	0.004	0.001
01075	Silver			EPA 200.7	03/06/97	ND	0.007
01057	Thallium			EPA 200.9	02/27/97	ND	0.001
01085	Vanadium			EPA 200.7	03/06/97	ND	0.010
01090	Zinc			EPA 200.7	04/23/97	0.018	0.005

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	03/03/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	03/03/97	ND	5.00
34235	Benzene			EPA 502.2	02/20/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	03/03/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	03/03/97	ND	5.00
32104	Bromoform			EPA 8260A	03/03/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	03/03/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/20/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	03/03/97	ND	5.00
34311	Chloroethane			EPA 8260A	03/03/97	ND	10.0
32106	Chloroform			EPA 8260A	03/03/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	03/03/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/25/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/25/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	03/03/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	03/03/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/20/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	03/03/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	03/03/97	ND	5.00
77103	2-Hexanone			EPA 8260A	03/03/97	ND	10.0
34413	Methyl bromide			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
34418	Methyl chloride			EPA 8260A	03/03/97	ND	5.00
77596	Methylene bromide			EPA 8260A	03/03/97	ND	10.0
34423	Methylene chloride			EPA 8260A	03/03/97	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	03/03/97	ND	10.0
49262	Methyl iodide			EPA 8260A	03/03/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	03/03/97	ND	10.0
77128	Styrene			EPA 8260A	03/03/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/20/97	ND	0.5
78131	Toluene			EPA 8260A	03/03/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/20/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	03/03/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	03/03/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	03/03/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/20/97	ND	0.5
81551	Xylenes			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

PUBLIC WATER SYSTEM INFORMATION (to be completed by system or lab)

System Name: _____ ID #: 4mw2

Address: _____

Type (check one): ☐ Community ☐ Nontransient Noncommunity ☐ Noncommunity

Contact: _____ Phone #: _____

Order for Analysis Placed By (if different from above): _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02/18/97 Sample Time: 1115 AmSample Location (be specific): RESOURCE RECOVERYSampler Name and Phone: CHRIS CHILDRESSSampler Signature and Title: Chris Childress

Check Type:

- ☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample
- ☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw
- ☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each site

LABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave. Ft. Lauderdale, FL 33334 Phone: 800-458-3330Subcontracted Lab Name & HRS #: _____
Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140201 Date Sample Received: 2/19/97

Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

- | | | |
|---|---|--|
| ☐ Nitrate Only | ☐ Nitrite Only | ☐ Asbestos Only |
| Inorganics | Volatile Organics | Secondaries |
| ☐ All 17 ☒ Partial | ☐ All 21 ☒ Partial | ☐ All 14 ☐ Partial |
| ☐ Trihalomethanes | Pesticides/PCB's | Radiochemicals |
| ☐ Other | ☐ All 30 ☐ Partial | ☐ Single Sample |
| Group I Unregulateds | Group II Unregulateds | Group III Unregulateds |
| ☐ All 13 ☐ Partial | ☐ All 23 ☐ Partial | ☐ All 11 ☐ Partial |

**Provide radiochemical sample dates & locations for each quarter

I, Gary J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.

Date: MAR 06 1997 Title: Laboratory Director Signature: Gary J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

*All HRS lab numbers and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in rejection of the analyses and possible enforcement against the public water system for failure to sample.

Effective January 1995

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL

SPECIAL INSTRUCTIONS

62-550
Primary Inorganics Partial
Antimony, Thallium, Arsenic
Cadmium, Lead, Selenium

COMMENTS

Pri. Voc Partial
Benzene, Carbon Tet.
1,2 dichloroethane,
Tetrachloroethene
Trichloroethene
Vinyl Chloride
AND
QAQC
#1053367



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Date: 03/05/97 Report #: 7140201 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES
ATTN: CANDY MULHERN
8864 GOVERNMENT DR.
NEW PORT RICHEY, FL 34654-

Date Collected: 02/18/97
Time Collected: 11:15
SOURCE: P.C.E.L.
4MW2
RESOURCE RECOVERY
WELL

Date received at lab: 02/19/97

Time received at lab: 01:15

Collected by: C.CHILDRESS

PLEASE NOTE: APPENDIX I WAS SUBCONTRACTED TO TOXIKON, SEE ATTACHED.

NOTE: "*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.
"ND" This contaminant was not detected at or above our stated detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date

Primary Inorganic Analysis 62-550.310 (1) (PWS030)						

1005 Arsenic	0.05	7140201	ND	3113B	0.003	02/26/97
1015 Cadmium	0.005	7140201	ND	3113B	0.0004	02/26/97
1030 Lead	0.015	7140201	ND	3113B	0.0004	02/24/97
1045 Selenium	0.05	7140201	0.004	3113B	0.001	02/27/97
1074 Antimony	0.006	7140201	0.003	3113B	0.002	02/26/97
1085 Thallium	0.002	7140201	ND	200.9	0.001	02/27/97



BROWARD TESTING LABORATORY, INC.

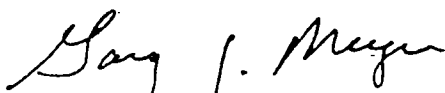
4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Page 2. Sample Code: 7140201

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Result	Method	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)							
2976	Vinyl Chloride	1	7140201	ND	502.2	0.5	02/20/97
2980	1,2-Dichloroethane	3	7140201	ND	502.2	0.5	02/20/97
2982	Carbon Tetrachloride	3	7140201	ND	502.2	0.5	02/20/97
2984	Trichloroethylene	3	7140201	ND	502.2	0.5	02/20/97
2987	Tetrachloroethylene	3	7140201	ND	502.2	0.5	02/20/97
2990	Benzene	1	7140201	ND	502.2	0.5	02/20/97

These test results may be used for compliance purposes as required.



Gary Meyer, Lab Director

Received: 02/20/97

Results by Sample

SAMPLE ID <u>7140201</u>		SAMPLE # <u>02</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>02/18/97 11:15:00</u> Category <u>LIQUID</u>					
AG <u>ND</u>	AS <u>ND</u>	BA <u>ND</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.007 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.004 <u>3-6-97</u>	mg/L DL=0.005 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>
CR <u>ND</u>	CU <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.020 <u>3-6-97</u>	mg/L DL=0.050 <u>3-6-97</u>	mg/L DL=0.150 <u>3-6-97</u>	mg/L DL=0.250 <u>3-6-97</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>0.018</u>			
mg/L DL=0.300 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.005 <u>4-23-97</u>			

Received: 02/20/97

Results by Sample

SAMPLE ID 7140201FRACTION 02ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 02/18/97 11:15:00Category LIQUID**EPA METHOD 504**

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.020</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.020</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID 7140201FRACTION 02ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/18/97 11:15:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	5.00	Ethylbenzene	ND	5.00
Benzene	ND	5.00	2-Hexanone	ND	10.0
Bromochloromethane	ND	5.00	Methyl bromide	ND	5.00
Bromodichloromethane	ND	5.00	Methyl chloride	ND	5.00
Bromoform	ND	5.00	Methylene bromide	ND	10.0
Carbon disulfide	ND	5.00	Methylene chloride	ND	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	115%	86 - 118
Toluene-d8	96%	88 - 110
Bromofluorobenzene	99%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 02/18/97

Test Site ID #: 4051A16508

Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2MM-4

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD):

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Wiz. Ded. Mon. System	No	EPA 273.1		Dry mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1		Dry mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1		Dry Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Dry °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1		Dry mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2		Dry mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		Dry MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"			Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/18/97 @ 1300

Test Site ID #: 4051A16513 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 4MN-4 Well Purged (Y/N): YES

Classification of Groundwater: Floridan Well Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD): _____
or (MSL): 25.31

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Wiz. Ded. Mon. System	No	EPA 273.1	02/21/97 1120	3.17 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	02/21/97 1010	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	02/24/97 1055	<0.0002 mg/L	0.0002 mg/L
000400	pH-Field	"	"	EPA 150.1	02/18/97 1300	6.97 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/18/97 1300	24.4 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/18/97 1300	306 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/18/97 1300	1.6 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/18/97 1500	0.7 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/24/97 1130	5.10 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/19/97 1600	220 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/28/97 1640	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	02/18/97 1600	0.38 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		02/18/97 1300	25.31 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/18/97 @ 13:00

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: 4MW4 RESOURCE RECOVERY

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					μmhos/cm	μmhos/cm
01095	Antimony			SM3113B	02/26/97	ND	0.002
01000	Arsenic			SM3113B	02/26/97	ND	0.003
01005	Barium			EPA 200.7	03/06/97	ND	0.100
01010	Beryllium			EPA 200.7	03/06/97	ND	0.004
01025	Cadmium			SM3113B	02/26/97	ND	0.0004
01030	Chromium			EPA 200.7	03/06/97	ND	0.010
01035	Cobalt			EPA 200.7	03/06/97	ND	0.010
01040	Copper			EPA 200.7	03/06/97	ND	0.010
01049	Lead			SM3113B	02/24/97	ND	0.0004
01065	Nickel			EPA 200.7	03/06/97	ND	0.020
1145	Selenium			SM3113B	02/27/97	ND	0.001
01075	Silver			EPA 200.7	03/06/97	ND	0.007
01057	Thallium			EPA 200.9	02/27/97	ND	0.001
01085	Vanadium			EPA 200.7	03/06/97	ND	0.010
01090	Zinc			EPA 200.7	04/23/97	0.067	0.005

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	03/03/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	03/03/97	ND	5.00
34235	Benzene			EPA 502.2	02/28/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	03/03/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	03/03/97	ND	5.00
32104	Bromoform			EPA 8260A	03/03/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	03/03/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/28/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	03/03/97	ND	5.00
34311	Chloroethane			EPA 8260A	03/03/97	ND	10.0
32106	Chloroform			EPA 8260A	03/03/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	03/03/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/25/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/25/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	03/03/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	03/03/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/28/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	03/03/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	03/03/97	ND	5.00
77103	2-Hexanone			EPA 8260A	03/03/97	ND	10.0
34413	Methyl bromide			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
34418	Methyl chloride			EPA 8260A	03/03/97	ND	5.00
77596	Methylene bromide			EPA 8260A	03/03/97	ND	10.0
34423	Methylene chloride			EPA 8260A	03/03/97	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	03/03/97	ND	10.0
49262	Methyl iodide			EPA 8260A	03/03/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	03/03/97	ND	10.0
77128	Styrene			EPA 8260A	03/03/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/28/97	ND	0.5
78131	Toluene			EPA 8260A	03/03/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/28/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	03/03/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	03/03/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	03/03/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/28/97	ND	0.5
81551	Xylenes			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

PUBLIC WATER SYSTEM INFORMATION (to be completed by system or lab)

System Name: _____ ID #: 4mw4

Address: _____

Type (check one): ☐ Community ☐ Nontransient Noncommunity ☐ Noncommunity

Contact: _____ Phone #: _____

Order for Analysis Placed By (if different from above): _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02/18/97 Sample Time: 1300 PSample Location (be specific): RESOURCE RECOVERYSampler Name and Phone: CHRIS CHILDRESS

Sampler Signature and Title: _____

Check Type:

- ☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample
- ☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw
- ☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each site

LABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334 Phone: 800-458-3330Subcontracted Lab Name & HRS #: _____
Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140202 Date Sample Received: 2/19/97

Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

- | | | |
|---|---|--|
| ☐ Nitrate Only | ☐ Nitrite Only | ☐ Asbestos Only |
| Inorganics | Volatile Organics | Secondaries |
| ☐ All 17 ☒ Partial | ☐ All 21 ☒ Partial | ☐ All 14 ☐ Partial |
| ☐ Trihalomethanes | Pesticides/PCB's | Radiochemicals |
| ☐ Other . | ☐ All 30 ☐ Partial | ☐ Single Sample |
| Group I Unregulateds | Group II Unregulateds | Group III Unregulateds |
| ☐ All 13 ☐ Partial | ☐ All 23 ☐ Partial | ☐ All 11 ☐ Partial |

**Provide radiochemical sample dates & locations for each quarter

I, Garv J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.

Date: 3/10/97 Title: Laboratory Director Signature: Garv J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____ Sample Analysis Satisfactory: _____

Resample Requested for: _____ Reason: _____

Person Notified to Resample: _____ Date Notified: _____

DEP/HRS Reviewing Official: _____

*All HRS lab numbers and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in enforcement of the analyses and possible enforcement against the public water system for failure to sample.

Effective January 1995

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL

SPECIAL INSTRUCTIONS
62-550
Primary Inorganics Partial
Antimony, Thallium, Arsenic
Cadmium, Lead, Selenium

COMMENTS Pri. Voc. Partial
Benzene, Carbon Tet.
1,2 dichloroethane,
Tetrachloroethene
Trichloroethene
Vinyl Chloride
AND
QAQC
#1053367



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Date: 03/07/97 Report #: 7140202 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES Date Collected: 02/18/97
ATTN: CANDY MULHERN Time Collected: 13:00
8864 GOVERNMENT DR. SOURCE: P.C.E.L.
NEW PORT RICHEY, FL 34654- 4MW4 / WELL
RESOURCE RECOVERY

Date received at lab: 02/19/97 Time received at lab: 01:15
Collected by : C.CHILDRESS
PLEASE NOTE: APPENDIX I WAS SUBCONTRACTED TO TOXIKON, SEE ATTACHED.

NOTE: "*" The MCL (Maximum Contaminant Level) or an established
guideline has been exceeded for this contaminant.
"ND" This contaminant was not detected at or above our stated
detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date
Primary Inorganic Analysis 62-550.310 (1) (PWS030)						
1005 Arsenic	0.05	7140202	ND	3113B	0.003	02/26/97
1015 Cadmium	0.005	7140202	ND	3113B	0.0004	02/26/97
1030 Lead	0.015	7140202	ND	3113B	0.0004	02/24/97
1045 Selenium	0.05	7140202	ND	3113B	0.001	02/27/97
1074 Antimony	0.006	7140202	ND	3113B	0.002	02/26/97
1085 Thallium	0.002	7140202	ND	200.9	0.001	02/27/97



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Page 2. Sample Code: 7140202

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Method Result	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						
2976	Vinyl Chloride	1	7140202	ND	502.2 0.5	02/28/97
2980	1,2-Dichloroethane	3	7140202	ND	502.2 0.5	02/28/97
2982	Carbon Tetrachloride	3	7140202	ND	502.2 0.5	02/28/97
2984	Trichloroethylene	3	7140202	ND	502.2 0.5	02/28/97
2987	Tetrachloroethylene	3	7140202	ND	502.2 0.5	02/28/97
2990	Benzene	1	7140202	ND	502.2 0.5	02/28/97

These test results may be used for compliance purposes as required.

Gary Meyer, Lab Director

Received: 02/20/97

Results by Sample

SAMPLE ID <u>7140202</u>		SAMPLE # <u>03</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>02/18/97 13:00:00</u>		Category <u>LIQUID</u>			
AG <u>ND</u>	AS <u>ND</u>	BA <u>ND</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.007 <u>3697</u>	mg/L DL=0.100 <u>3697</u>	mg/L DL=0.100 <u>3697</u>	mg/L DL=0.004 <u>3697</u>	mg/L DL=0.005 <u>3697</u>	mg/L DL=0.010 <u>3697</u>
CR <u>ND</u>	CU <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.010 <u>3697</u>	mg/L DL=0.010 <u>3697</u>	mg/L DL=0.020 <u>3697</u>	mg/L DL=0.050 <u>3697</u>	mg/L DL=0.150 <u>3697</u>	mg/L DL=0.250 <u>3697</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>0.067</u>			
mg/L DL=0.300 <u>3697</u>	mg/L DL=0.010 <u>3697</u>	mg/L DL=0.005 <u>4-23-97</u>			

Received: 02/20/97

Results by Sample

SAMPLE ID 7140202FRACTION 03ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 02/18/97 13:00:00Category LIQUIDEPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.020</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.020</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID 7140202FRACTION 03ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/18/97 13:00:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	5.00	Ethylbenzene	ND	5.00
Benzene	ND	5.00	2-Hexanone	ND	10.0
Bromochloromethane	ND	5.00	Methyl bromide	ND	5.00
Bromodichloromethane	ND	5.00	Methyl chloride	ND	5.00
Bromoform	ND	5.00	Methylene bromide	ND	10.0
Carbon disulfide	ND	5.00	Methylene chloride	ND	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	114%	86 - 118
Toluene-d8	92%	88 - 110
Bromofluorobenzene	98%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 02/19/97

Test Site ID #: 4051A16509

Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2M-5

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD):

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Wiz. Ded. Mon. System	No	EPA 273.1		Dry mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1		Dry mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1		Dry Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Dry °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500C1-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1		Dry mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2		Dry mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		Dry MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"			Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 02/19/97 @ 1400

Test Site ID #: 4051A16514

Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 4MM-5

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

Well Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD):

or (MSL): 26.06

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Miz. Ded. Mon. System	No	EPA 273.1	02/21/97 1120	6.22 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	02/21/97 1010	0.03 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	02/24/97 1055	<0.0002 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	02/19/97 1400	7.60 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/19/97 1400	24.5 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/19/97 1400	357 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/19/97 1400	1.2 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/19/97 1515	0.6 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500C1-B	02/24/97 1130	52.6 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/21/97 1600	279 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/28/97 1640	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	02/20/97 1630	0.91 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		02/19/97 1400	26.06 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/19/97 @ 14:00

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: 4MW5 RESOURCE RECOVERY

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					μ mhos/cm	μ mhos/cm
01095	Antimony			SM3113B	02/26/97	ND	0.002
01000	Arsenic			SM3113B	02/26/97	ND	0.003
01005	Barium			EPA 200.7	03/06/97	ND	0.100
01010	Beryllium			EPA 200.7	03/06/97	ND	0.004
01025	Cadmium			SM3113B	02/26/97	ND	0.0004
01030	Chromium			EPA 200.7	03/06/97	ND	0.010
01035	Cobalt			EPA 200.7	03/06/97	ND	0.010
01040	Copper			EPA 200.7	03/06/97	ND	0.010
01049	Lead			SM3113B	02/24/97	0.0004	0.0004
01065	Nickel			EPA 200.7	03/06/97	ND	0.020
1145	Selenium			SM3113B	02/27/97	ND	0.001
01075	Silver			EPA 200.7	03/06/97	ND	0.007
01057	Thallium			EPA 200.9	02/27/97	ND	0.001
01085	Vanadium			EPA 200.7	03/06/97	ND	0.010
01090	Zinc			EPA 200.7	04/23/97	ND	0.020

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	03/03/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	03/03/97	ND	5.00
34235	Benzene			EPA 502.2	02/28/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	03/03/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	03/03/97	ND	5.00
32104	Bromoform			EPA 8260A	03/03/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	03/03/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/28/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	03/03/97	ND	5.00
34311	Chloroethane			EPA 8260A	03/03/97	ND	10.0
32106	Chloroform			EPA 8260A	03/03/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	03/03/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/25/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/25/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	03/03/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	03/03/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/28/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	03/03/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	03/03/97	ND	5.00
77103	2-Hexanone			EPA 8260A	03/03/97	ND	10.0
34413	Methyl bromide			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
34418	Methyl chloride			EPA 8260A	03/03/97	ND	5.00
77596	Methylene bromide			EPA 8260A	03/03/97	ND	10.0
34423	Methylene chloride			EPA 8260A	03/03/97	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	03/03/97	ND	10.0
49262	Methyl iodide			EPA 8260A	03/03/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	03/03/97	ND	10.0
77128	Styrene			EPA 8260A	03/03/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/28/97	ND	0.5
78131	Toluene			EPA 8260A	03/03/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/28/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	03/03/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	03/03/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	03/03/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/28/97	ND	0.5
81551	Xylenes			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

PUBLIC WATER SYSTEM INFORMATION (to be completed by system or lab)

System Name: _____ ID #: 4mw5

Address: _____

Type (check one): ☐ Community ☐ Nontransient Noncommunity ☐ Noncommunity

Contact: _____ Phone #: _____

Order for Analysis Placed By (if different from above): _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02/19/97 Sample Time: 4:00Sample Location (be specific): RESOURCE RECOVERYSampler Name and Phone: CHRIS CHILDRESSSampler Signature and Title: Chris Childress

Check Type:

☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each siteLABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334 Phone: 800-458-3330Subcontracted Lab Name & HRS #: _____
Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140234 Date Sample Received: 2/20/97

Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

- | | | |
|---|---|--|
| ☐ Nitrate Only | ☐ Nitrite Only | ☐ Asbestos Only |
| Inorganics | Volatile Organics | Secondaries |
| ☐ All 17 ☒ Partial | ☐ All 21 ☒ Partial | ☐ All 14 ☐ Partial |
| ☐ Trihalomethanes | Pesticides/PCB's | Radiochemicals |
| ☐ Other | ☐ All 30 ☐ Partial | ☐ Single Sample |
| Group I Unregulateds | Group II Unregulateds | ☐ Qtrly Composite** |
| ☐ All 13 ☐ Partial | ☐ All 23 ☐ Partial | Group III Unregulateds |
| | | ☐ All 11 ☐ Partial |

**Provide radiochemical sample dates & locations for each quarter

I, Gary J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.
Date: MAR 10 1997 Title: Laboratory Director Signature: Gary J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

*All HRS lab numbers and their HRS Analyte Sheet for labs performing the attached water analyses must be provided. Failure to do so will result in civil penalties and possible enforcement against the public water system for failure to sample.
Effective January 1995

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL

SPECIAL INSTRUCTIONS

62-550
Primary Inorganics, Partial
Antimony, Thallium, Arsenic
Cadmium, Lead, Selenium

COMMENTS

Pri. Voc. Partial
Benzene, Carbon Tet.
1,2 dichloroethane,
tetrachloroethene
Trichloroethene
Vinyl ChlorideAND
QAQC#1053367



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Date: 03/11/97 Report #: 7140234 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES
ATTN: CANDY MULHERN
8864 GOVERNMENT DR.

Date Collected: 02/19/97
Time Collected: 14:00
SOURCE: RESOURCE RECOVERY
P.C.E.L.

NEW PORT RICHEY, FL 34654- 4 MW 5

Date received at lab: 02/20/97 Time received at lab: 11:40

Collected by : C.CHILDRESS

PLEASE NOTE: APPENDIX I WAS SUBCONTRACTED TO TOXIKON, SEE ATTACHED.

NOTE: "*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.
"ND" This contaminant was not detected at or above our stated detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date
Primary Inorganic Analysis 62-550.310 (1) (PWS030)						
1005 Arsenic	0.05	7140234	ND	3113B	0.003	02/26/97
1015 Cadmium	0.005	7140234	ND	3113B	0.0004	02/26/97
1030 Lead	0.015	7140234	0.0004	3113B	0.0004	02/24/97
1045 Selenium	0.05	7140234	ND	3113B	0.001	02/27/97
1074 Antimony	0.006	7140234	ND	3113B	0.002	02/26/97
1085 Thallium	0.002	7140234	ND	200.9	0.001	02/27/97

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Result	Method	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)							
2976	Vinyl Chloride	1	7140234	ND	502.2	0.5	02/28/97
2980	1,2-Dichloroethane	3	7140234	ND	502.2	0.5	02/28/97
2982	Carbon Tetrachloride	3	7140234	ND	502.2	0.5	02/28/97
2984	Trichloroethylene	3	7140234	ND	502.2	0.5	02/28/97
2987	Tetrachloroethylene	3	7140234	ND	502.2	0.5	02/28/97
2990	Benzene	1	7140234	ND	502.2	0.5	02/28/97

These test results may be used for compliance purposes as required.

Gary Meyer, Lab Director

Received: 02/20/97

Results by Sample

SAMPLE ID <u>7140234</u>		SAMPLE # <u>02</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>02/19/97 14:00:00</u> Category <u>LIQUID</u>					
AG <u>ND</u>	AS <u>ND</u>	BA <u>ND</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.007 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.004 <u>3-6-97</u>	mg/L DL=0.005 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>
CR <u>ND</u>	CU <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.020 <u>3-6-97</u>	mg/L DL=0.050 <u>3-6-97</u>	mg/L DL=0.150 <u>3-6-97</u>	mg/L DL=0.250 <u>3-6-97</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>			
mg/L DL=0.300 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.020 <u>4-23-97 PL</u>			

Received: 02/20/97

Results by Sample

SAMPLE ID 7140234 FRACTION 02A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected 02/19/97 14:00:00 Category LIQUID

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.020</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.020</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID 7140234FRACTION 02ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/19/97 14:00:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	5.00	Ethylbenzene	ND	5.00
Benzene	ND	5.00	2-Hexanone	ND	10.0
Bromochloromethane	ND	5.00	Methyl bromide	ND	5.00
Bromodichloromethane	ND	5.00	Methyl chloride	ND	5.00
Bromoform	ND	5.00	Methylene bromide	ND	10.0
Carbon disulfide	ND	5.00	Methylene chloride	ND	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	118%	86 - 118
Toluene-d8	103%	88 - 110
Bromofluorobenzene	101%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/19/97

Test Site ID #: 4051A16510 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2MM-6 Well Purged (Y/N): YES

Classification of Groundwater: Surficial Well Type: () Background

Groundwater Elevation (NGVD): () Intermediate
(XXX) Compliance
() Other

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Miz. Ded. Mon. System	No	EPA 273.1		Dry mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1		Dry mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1		Dry Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Dry °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1		Dry mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2		Dry mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		Dry MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"			Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/19/97 @ 1100

Test Site ID #: 4051A16515 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 4MW-6 Well Purged (Y/N): YES

Classification of Groundwater: Floridan Well Type: () Background
() Intermediate
(XXX) Compliance
() Other

Groundwater Elevation (NGVD): _____
or (MSL): 28.98

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Well Miz. Ded. Mon. System	No	EPA 273.1	02/21/97 1120	3.09 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	02/21/97 1010	0.02 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	02/24/97 1055	<0.0002 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	02/19/97 1100	8.22 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/19/97 1100	24.1 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/19/97 1100	144 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/19/97 1100	3.5 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/19/97 1515	1.1 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/24/97 1130	5.30 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/21/97 1600	85 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/28/97 1640	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	02/20/97 1630	0.53 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B		- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		02/19/97 1100	28.98 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/19/97 @ 11:00

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: 4MW6 RESOURCE RECOVERY

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					μ mhos/cm	μ mhos/cm
01095	Antimony			SM3113B	02/26/97	ND	0.002
01000	Arsenic			SM3113B	02/26/97	ND	0.003
01005	Barium			EPA 200.7	03/06/97	ND	0.100
01010	Beryllium			EPA 200.7	03/06/97	ND	0.004
01025	Cadmium			SM3113B	02/26/97	ND	0.0004
01030	Chromium			EPA 200.7	03/06/97	ND	0.010
01035	Cobalt			EPA 200.7	03/06/97	ND	0.010
01040	Copper			EPA 200.7	03/06/97	ND	0.010
01049	Lead			SM3113B	02/24/97	0.0005	0.0004
01065	Nickel			EPA 200.7	03/06/97	ND	0.020
1145	Selenium			SM3113B	02/27/97	ND	0.001
01075	Silver			EPA 200.7	03/06/97	ND	0.007
01057	Thallium			EPA 200.9	02/27/97	ND	0.001
01085	Vanadium			EPA 200.7	03/06/97	ND	0.010
01090	Zinc			EPA 200.7	04/23/97	ND	0.020

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	03/03/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	03/03/97	ND	5.00
34235	Benzene			EPA 502.2	02/28/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	03/03/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	03/03/97	ND	5.00
32104	Bromoform			EPA 8260A	03/03/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	03/03/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/28/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	03/03/97	ND	5.00
34311	Chloroethane			EPA 8260A	03/03/97	ND	10.0
32106	Chloroform			EPA 8260A	03/03/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	03/03/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/25/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/25/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	03/03/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	03/03/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	03/03/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/28/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	03/03/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	03/03/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	03/03/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	03/03/97	ND	5.00
77103	2-Hexanone			EPA 8260A	03/03/97	ND	10.0
34413	Methyl bromide			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
34418	Methyl chloride			EPA 8260A	03/03/97	ND	5.00
77596	Methylene bromide			EPA 8260A	03/03/97	ND	10.0
34423	Methylene chloride			EPA 8260A	03/03/97	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	03/03/97	ND	10.0
49262	Methyl iodide			EPA 8260A	03/03/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	03/03/97	ND	10.0
77128	Styrene			EPA 8260A	03/03/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	03/03/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/28/97	ND	0.5
78131	Toluene			EPA 8260A	03/03/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	03/03/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/28/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	03/03/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	03/03/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	03/03/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/28/97	ND	0.5
81551	Xylenes			EPA 8260A	03/03/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

PUBLIC WATER SYSTEM INFORMATION (to be completed by system or lab)

System Name: _____ ID #: 4mw6

Address: _____

Type (check one): ☐ Community ☐ Nontransient Noncommunity ☐ Noncommunity

Contact: _____ Phone #: _____

Order for Analysis Placed By (if different from above): _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02/19/97 Sample Time: 1100 aSample Location (be specific): RESOURCE RECOVERYSampler Name and Phone: CHRIS CHILDRESSSampler Signature and Title: Chris Childress

Check Type:

☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each siteLABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334 Phone: 800-458-3330

Subcontracted Lab Name & HRS #: _____

Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140233 Date Sample Received: 3/20/97

Group(s) Analyzed & Results attached for compliance with 62-550, F.A.C.:

- | | | |
|---|---|--|
| ☐ Nitrate Only | ☐ Nitrite Only | ☐ Asbestos Only |
| Inorganics | Volatile Organics | Secondaries |
| ☐ All 17 ☒ Partial | ☐ All 21 ☒ Partial | ☐ All 14 ☐ Partial |
| ☐ Trihalomethanes | Pesticides/PCB's | Radiochemicals |
| ☐ Other | ☐ All 30 ☐ Partial | ☐ Single Sample |
| | | ☐ Qtrly Composite** |
| Group I Unregulateds | Group II Unregulateds | Group III Unregulateds |
| ☐ All 13 ☐ Partial | ☐ All 23 ☐ Partial | ☐ All 11 ☐ Partial |

**Provide radiochemical sample dates & locations for each quarter

I, Gary J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.Date: 3/10/97Title: Laboratory DirectorSignature: Gary J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL

SPECIAL INSTRUCTIONS

62-550
 Primary Inorganics Partial
 Antimony, Thallium, Arsenic
 Cadmium, Lead, Selenium

COMMENTS

Pri: Voc Partial
 Benzene, Carbon Tet.
 1,2 dichloroethane,
 tetrachloroethene
 Trichloroethene
 Vinyl Chloride

AND
 Q A Q C

#1053367



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Date: 03/07/97 Report #: 7140233 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES
ATTN: CANDY MULHERN
8864 GOVERNMENT DR.

Date Collected: 02/19/97
Time Collected: 11:00
SOURCE: P.C.E.L.
RESOURCE RECOVERY

NEW PORT RICHEY, FL 34654- 4 MW 6

PLEASE NOTE: APPENDIX I WAS SUBCONTRACTED TO TOXIKON, SEE ATTACHED.
Date received at lab: 02/20/97 Time received at lab: 11:40
Collected by : C.CHILDRESS

NOTE: "*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.
"ND" This contaminant was not detected at or above our stated detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date
Primary Inorganic Analysis 62-550.310 (1) (PWS030)						
1005 Arsenic	0.05	7140233	ND	3113B	0.003	02/26/97
1015 Cadmium	0.005	7140233	ND	3113B	0.0004	02/26/97
1030 Lead	0.015	7140233	0.0005	3113B	0.0004	02/24/97
1045 Selenium	0.05	7140233	ND	3113B	0.001	02/27/97
1074 Antimony	0.006	7140233	ND	3113B	0.002	02/26/97
1085 Thallium	0.002	7140233	ND	200.9	0.001	02/27/97



BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Page 2. Sample Code: 7140233

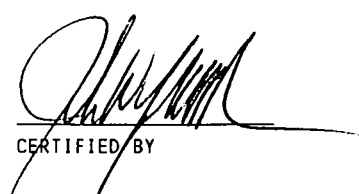
Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Method Result	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						
2976	Vinyl Chloride	1	7140233	ND	502.2 0.5	02/28/97
2980	1,2-Dichloroethane	3	7140233	ND	502.2 0.5	02/28/97
2982	Carbon Tetrachloride	3	7140233	ND	502.2 0.5	02/28/97
2984	Trichloroethylene	3	7140233	ND	502.2 0.5	02/28/97
2987	Tetrachloroethylene	3	7140233	ND	502.2 0.5	02/28/97
2990	Benzene	1	7140233	ND	502.2 0.5	02/28/97

These test results may be used for compliance purposes as required.

Gary Meyer, Lab Director

Received: 02/20/97

04/24/97 13:58:21

REPORT NATIONAL TESTING LABORATORY PREPARED TOXIKON WEST PALM BEACH
TO 6555 WILSON MILLS ROAD BY 1860 OLD OKEECHOBEE RD. #401
CLEVELAND, OHIO 44143 WEST PALM BEACH, FL 33409
1(800)458-3330 F(216)449-8585 HRS #E86278,86396 QA# 910150G CERTIFIED BY 
ATTEN SUSAN HENDERSON ATTEN JOHN YAREMCHUK
PHONE (407) 478-4803 FAX 478-0214 CONTACT JOHN

CLIENT NTL SAMPLES 5
COMPANY NATIONAL TESTING LABORATORY
FACILITY 6555 WILSON MILLS ROAD
CLEVELAND, OHIO 44143

WORK ID 7140233-0234
TAKEN 02/19/97
TRANS COURIER
TYPE LIQUID
P.O. # _____
INV. # 5340

Previously Reported on 03/14/97.

SAMPLE IDENTIFICATION

01 7140233
02 7140234
03 METHOD BLANK
04 MEAN % RECOVERY
05 RPD

TEST CODES and NAMES used on this workorder

504 EDB AND DBCP BY GC
8260A PURGEABLE ORGANICS VOA
AG SILVER
AS ARSENIC
BA BARIUM
BE BERYLLIUM
CD CADMIUM
CO COBALT
CR CHROMIUM
CU COPPER
MEX TW METALS, TOTAL EXT., WATER
NI NICKEL
PB LEAD
SB ANTIMONY
SE SELENIUM
TL THALLIUM
V VANADIUM
ZN Zinc

Received: 02/20/97

Results by Sample

SAMPLE ID <u>7140233</u>		SAMPLE # <u>01</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>02/19/97 11:00:00</u>		Category <u>LIQUID</u>			
AG <u>ND</u>	AS <u>ND</u>	BA <u>ND</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.007 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.100 <u>3-6-97</u>	mg/L DL=0.004 <u>3-6-97</u>	mg/L DL=0.005 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>
CR <u>ND</u>	CU <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.020 <u>3-6-97</u>	mg/L DL=0.050 <u>3-6-97</u>	mg/L DL=0.150 <u>3-6-97</u>	mg/L DL=0.250 <u>3-6-97</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>			
mg/L DL=0.300 <u>3-6-97</u>	mg/L DL=0.010 <u>3-6-97</u>	mg/L DL=0.020 <u>4-23-97AL</u>			

Received: 02/20/97

TOXIKON CORP.

REPORT

Work Order # 97-02-122

Results by Sample

SAMPLE ID 7140233FRACTION 01ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 02/19/97 11:00:00Category LIQUIDEPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	ND	0.020	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	ND	0.020	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2

UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

TOXIKON CORP.

REPORT

Work Order # 97-02-122

Results by Sample

SAMPLE ID 7140233FRACTION 01ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/19/97 11:00:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	5.00	Ethylbenzene	ND	5.00
Benzene	ND	5.00	2-Hexanone	ND	10.0
Bromochloromethane	ND	5.00	Methyl bromide	ND	5.00
Bromodichloromethane	ND	5.00	Methyl chloride	ND	5.00
Bromoform	ND	5.00	Methylene bromide	ND	10.0
Carbon disulfide	ND	5.00	Methylene chloride	ND	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	109%	86 - 118
Toluene-d8	103%	88 - 110
Bromofluorobenzene	101%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM S I
DATE: 03/06/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54515 SAMPLE ID- RES REC CLASS I @ 2MW2 SAMPLE MATRIX- WA
DATE SAMPLED- 02/18/97 LOCATION- TIME SAMPLED- 1130
DATE RECEIVED- 02/18/97 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1458 DELIVERED BY- CHRIS CHILDRESS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS	
WATER LEVEL	FIELD		02/18/97	1130	CHR	32.11	FEET	
FIELD PH	EPA 150.1		02/18/97	1130	CHR	5.02	STD. UNITS	
FIELD TEMPERATURE	SM2550B		02/18/97	1130	CHR	24.3	DEGREES C	
FIELD CONDUCTIVITY	SM2510B		02/18/97	1130	CHR	175	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G		02/18/97	1130	CHR	4.1	mg/L	
CHLORIDE	EPA 325.3		02/24/97	1130	CMM	4.60	mg/L	
COLOR	EPA 110.2		02/19/97	1400	CMM	5	CPU	
AMMONIA NITROGEN	SM4500NH3E		02/28/97	1640	IF	<0.15	mg/L	
NITRATE	EPA 353.2		02/18/97	1600	IF	16.5	mg/L	
TOTAL DISS.SOLIDS	EPA160.1		02/19/97	1600	CMM	178	mg/L	
TURBIDITY	EPA180.1		02/18/97	1500	CSC	0.5	NTU	
IRON, TOTAL	SM3113B	02/21/97	TER	02/21/97	1010	TER	0.04	mg/L
MERCURY, TOTAL	245.1			02/24/97	1055	TER	<0.0002	mg/L
SODIUM, TOTAL	273.1	02/21/97	TER	02/21/97	1120	TER	3.00	mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM S I
DATE: 03/06/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54516 SAMPLE ID- RES REC CLASS I @ 4MW2 SAMPLE MATRIX- WA
DATE SAMPLED- 02/18/97 LOCATION- TIME SAMPLED- 1115
DATE RECEIVED- 02/18/97 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1458 DELIVERED BY- CHRIS CHILDRESS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		RESULT	UNITS
		DATE	BY	DATE	TIME		
WATER LEVEL	FIELD			02/18/97	1115	CHR	32.01 FEET
FIELD PH	EPA 150.1			02/18/97	1115	CHR	7.11 STD. UNITS
FIELD TEMPERATURE	SM2550B			02/18/97	1115	CHR	25.0 DEGREES C
FIELD CONDUCTIVITY	SM2510B			02/18/97	1115	CHR	170 umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			02/18/97	1115	CHR	1.2 mg/L
CHLORIDE	EPA 325.3			02/24/97	1130	CMM	3.55 mg/L
COLOR	EPA 110.2			02/19/97	1400	CMM	2 CPU
AMMONIA NITROGEN	SM4500NH3E			02/28/97	1640	IF	<0.15 mg/L
NITRATE	EPA 353.2			02/18/97	1600	IF	1.26 mg/L
TOTAL DISS.SOLIDS	EPA160.1			02/19/97	1600	CMM	132 mg/L
TURBIDITY	EPA180.1			02/18/97	1500	CSC	0.6 NTU
IRON, TOTAL	SM3113B	02/21/97	TER	02/21/97	1010	TER	<0.02 mg/L
MERCURY, TOTAL	245.1			02/24/97	1055	TER	<0.0002 mg/L
SODIUM, TOTAL	273.1	02/21/97	TER	02/21/97	1120	TER	2.74 mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY

8864 GOVERNMENT DRIVE

NEW PORT RICHEY, FL 34654

(813) 847-8902

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM S I
DATE: 03/06/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54517 SAMPLE ID- RES REC CLASS I @ 4MW4
DATE SAMPLED- 02/18/97 LOCATION-
DATE RECEIVED- 02/18/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1458 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1300
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS
WATER LEVEL	FIELD			02/18/97	1300 CHR	25.31 FEET
FIELD PH	EPA 150.1			02/18/97	1300 CHR	6.97 STD. UNITS
FIELD TEMPERATURE	SM2550B			02/18/97	1300 CHR	24.4 DEGREES C
FIELD CONDUCTIVITY	SM2510B			02/18/97	1300 CHR	306 umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			02/18/97	1300 CHR	1.6 mg/L
CHLORIDE	EPA 325.3			02/24/97	1130 CMM	5.10 mg/L
COLOR	EPA 110.2			02/19/97	1400 CMM	2 CPU
AMMONIA NITROGEN	SM4500NH3E			02/28/97	1640 IF	<0.15 mg/L
NITRATE	EPA 353.2			02/18/97	1600 IF	0.38 mg/L
TOTAL DISS.SOLIDS	EPA160.1			02/19/97	1600 CMM	220 mg/L
TURBIDITY	EPA180.1			02/18/97	1500 CSC	0.7 NTU
IRON, TOTAL	SM3113B	02/21/97	TER	02/21/97	1010 TER	0.04 mg/L
MERCURY, TOTAL	245.1			02/24/97	1055 TER	<0.0002 mg/L
SODIUM, TOTAL	273.1	02/21/97	TER	02/21/97	1120 TER	3.17 mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM S I
DATE: 03/06/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54518 SAMPLE ID- RES REC CLASS I @ 4MW1 SAMPLE MATRIX- WA
DATE SAMPLED- 02/18/97 LOCATION- TIME SAMPLED- 1430
DATE RECEIVED- 02/18/97 SAMPLER- CHRIS CHILDRESS RECEIVED BY- AS
TIME RECEIVED- 1458 DELIVERED BY- CHRIS CHILDRESS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD		02/18/97	1430	CHR	32.24	FEET
FIELD PH	EPA 150.1		02/18/97	1430	CHR	6.69	STD. UNITS
FIELD TEMPERATURE	SM2550B		02/18/97	1430	CHR	24.9	DEGREES C
FIELD CONDUCTIVITY	SM2510B		02/18/97	1430	CHR	1784	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G		02/18/97	1430	CHR	0.6	mg/L
CHLORIDE	EPA 325.3		02/24/97	1130	CMM	514	mg/L
COLOR	EPA 110.2		02/19/97	1400	CMM	2	CPU
AMMONIA NITROGEN	SM4500NH3E		02/28/97	1640	IF	<0.15	mg/L
NITRATE	EPA 353.2		02/18/97	1600	IF	1.39	mg/L
TOTAL DISS.SOLIDS	EPA160.1		02/19/97	1600	CMM	1580	mg/L
TURBIDITY	EPA180.1		02/18/97	1500	CSC	0.06	NTU
IRON, TOTAL	SM3113B	02/21/97	TER 02/21/97	1010	TER	0.04	mg/L
MERCURY, TOTAL	245.1		02/24/97	1055	TER	<0.0002	mg/L
SODIUM, TOTAL	273.1	02/21/97	TER 02/21/97	1120	TER	23.2	mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

QC REPORT FOR RESOURCE RECOVERY 03/06/97

QA/QC for SAMPLE Nos: 54515, 54516, 54517, 54518,

Page 1

Analyte	LAB ID	Precision Data				Accuracy Data		Reference Sample Data		
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
CHLORIDE	54518	515	513	2.0	0.39	-----	STD	20.00	20.00	100.00
EPA 325.3	54519	229	237	8.0	3.43	-----	STD	20.00	20.15	100.75
mg/L	54520	-----	-----	-----	-----	99.90	STD	20.00	20.00	100.00
	54561	128	128	0	0.00	-----	-----	-----	-----	-----
	54562	-----	-----	-----	-----	100.10	-----	-----	-----	-----
	54588	11.0	11.6	0.60	5.31	-----	-----	-----	-----	-----

COLOR
EPA 110.2
CPU
NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

AMMONIA NITROGEN	54515	<0.15	<0.15	0.075	0.00	-----	NH3 STD	8.000	7.576	94.69
SM4500NH3E	54844	-----	-----	-----	-----	93.54	NH3 STD	8.000	7.730	96.63
mg/L										

NITRATE	54495	1.05	1.05	0	0.00	98.73	NO3 STD	4.000	4.062	101.56
EPA 353.2	-----	-----	-----	-----	-----	-----	NO3 STD	4.000	3.959	98.99
mg/L										

TOTAL DISS.SOLIDS	54425	796	836	40	4.90	-----	STD	293	300	102.30
EPA160.1	54426	824	856	32	3.81	-----	QC 3419	910	934	102.60
mg/L	54518	1580	1580	0	0.00	-----	QC 9972	959	960	100.10
	54519	712	728	16	2.22	-----	-----	-----	-----	-----
	54558	436	426	10	2.32	-----	-----	-----	-----	-----
	54560	370	398	28	7.29	-----	-----	-----	-----	-----
	54564	-----	-----	-----	-----	97.80	-----	-----	-----	-----
	54565	-----	-----	-----	-----	96.80	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

QC REPORT FOR RESOURCE RECOVERY 03/06/97

QA/QC for SAMPLE Nos: 54515, 54516, 54517, 54518,

Page 2

Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery

TURBIDITY
SM 2130 B
NTU

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

IRON, TOTAL
SM31138
mg/L

54518 0.035 0.039 0.0040 10.81 98.40

MERCURY, TOTAL
245.1
mg/L

54518 <0.0002 <0.0002 0.00010 0.00 100.00

SODIUM, TOTAL
273.1
mg/L

54518 23.7 23.2 0.50 2.13 106.20



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

QC REPORT FOR RESOURCE RECOVERY 03/06/97

QA/QC for SAMPLE Nos: 54580, 54581.

Page 1

Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
CHLORIDE	54518	515	513	2.0	0.39	-----	STD	20.00	20.00	100.00
EPA 325.3	54519	229	237	8.0	3.43	-----	STD	20.00	20.15	100.75
mg/L	54520	-----	-----	-----	-----	99.90	STD	20.00	20.00	100.00
	54561	128	128	0	0.00	-----	-----	-----	-----	-----
	54562	-----	-----	-----	-----	100.10	-----	-----	-----	-----
	54588	11.0	11.6	0.60	5.31	-----	-----	-----	-----	-----

COLOR
EPA 110.2
CPU

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

AMMONIA NITROGEN	54515	<0.15	<0.15	0.075	0.00	-----	NH3 STD	8.000	7.576	94.69
SM4500NH3E	54844	-----	-----	-----	-----	93.54	NH3 STD	8.000	7.730	96.63
mg/L										

NITRATE	54521	2.90	2.86	0.040	1.39	-----	NO3 STD	4.000	3.971	99.29
EPA 353.2	54550	7.31	7.25	0.060	0.82	-----	NO3 STD	4.000	4.085	102.14
mg/L	54554	2.81	2.80	0.010	0.36	-----	NO3 STD	4.000	4.062	101.56
	54581	-----	-----	-----	-----	98.66	-----	-----	-----	-----

TOTAL DISS.SOLIDS	54588	107	106	1.0	0.94	-----	STD	293	290	99.00
EPA160.1										
mg/L										

TURBIDITY-
SM 2130 B
NTU

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

QC REPORT FOR RESOURCE RECOVERY 03/06/97

QA/QC for SAMPLE Nos: 54580, 54581,

Page 2

Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
IRON, TOTAL SM31138 mg/L	54518	0.035	0.039	0.0040	10.81	98.40	-----	-----	-----	-----
MERCURY, TOTAL 245.1 mg/L	54518	<0.0002	<0.0002	0.00010	0.00	100.00	-----	-----	-----	-----
SODIUM, TOTAL 273.1 mg/L	54518	23.7	23.2	0.50	2.13	106.20	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM '97
DATE: 03/06/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54580 SAMPLE ID- 4MW-5
DATE SAMPLED- 02/19/97 LOCATION-
DATE RECEIVED- 02/19/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1440 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1400
RECEIVED BY- CEM

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD		02/19/97	1400	CHR	26.06	FEET
FIELD PH	EPA 150.1		02/19/97	1400	CHR	7.60	STD. UNITS
FIELD TEMPERATURE	SM2550B		02/19/97	1400	CHR	24.5	DEGREES C
FIELD CONDUCTIVITY	SM2510B		02/19/97	1400	CHR	357	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G		02/19/97	1400	CHR	1.2	mg/L
CHLORIDE	EPA 325.3		02/24/97	1130	CMM	52.6	mg/L
COLOR	EPA 110.2		02/20/97	1400	CMM	2	CPU
AMMONIA NITROGEN	SM4500NH3E		02/28/97	1640	IF	<0.15	mg/L
NITRATE	EPA 353.2		02/20/97	1630	IF	0.91	mg/L
TOTAL DISS.SOLIDS	EPA160.1		02/21/97	1600	CMM	279	mg/L
TURBIDITY	EPA180.1		02/19/97	1515	CSC	0.6	NTU
IRON, TOTAL	SM3113B	02/21/97	TER 02/21/97	1010	TER	0.03	mg/L
MERCURY, TOTAL	245.1		02/24/97	1055	TER	<0.0002	mg/L
SODIUM, TOTAL	273.1	02/21/97	TER 02/21/97	1120	TER	6.22	mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM '97
DATE: 03/06/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54581 SAMPLE ID- 4MW-6
DATE SAMPLED- 02/19/97 LOCATION-
DATE RECEIVED- 02/19/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1440 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1100
RECEIVED BY- CEM

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP		ANALYSIS		TIME	BY	RESULT	UNITS
		DATE	BY	DATE					
WATER LEVEL	FIELD			02/19/97		1100	CHR	28.98	FEET
FIELD PH	EPA 150.1			02/19/97		1100	CHR	8.22	STD. UNITS
FIELD TEMPERATURE	SM2550B			02/19/97		1100	CHR	24.1	DEGREES C
FIELD CONDUCTIVITY	SM2510B			02/19/97		1100	CHR	144	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G			02/19/97		1100	CHR	3.5	mg/L
CHLORIDE	EPA 325.3			02/24/97		1130	CMM	5.30	mg/L
COLOR	EPA 110.2			02/20/97		1400	CMM	2	CPU
AMMONIA NITROGEN	SM4500NH3E			02/28/97		1640	IF	<0.15	mg/L
NITRATE	EPA 353.2			02/20/97		1630	IF	0.53	mg/L
TOTAL DISS.SOLIDS	EPA160.1			02/21/97		1600	CMM	85	mg/L
TURBIDITY	EPA180.1			02/19/97		1515	CSC	1.1	NTU
IRON, TOTAL	SM3113B	02/21/97	TER	02/21/97		1010	TER	0.02	mg/L
MERCURY, TOTAL	245.1			02/24/97		1055	TER	<0.0002	mg/L
SODIUM, TOTAL	273.1	02/21/97	TER	02/21/97		1120	TER	3.09	mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

QC REPORT FOR RESOURCE RECOVERY 03/06/97

QA/QC for SAMPLE Nos: 54580, 54581,

Page 1

Analyte	LAB ID	Precision Data				Accuracy Data		Reference Sample Data		
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
CHLORIDE	54518	515	513	2.0	0.39	-----	STD	20.00	20.00	100.00
EPA 325.3	54519	229	237	8.0	3.43	-----	STD	20.00	20.15	100.75
mg/L	54520	-----	-----	-----	-----	99.90	STD	20.00	20.00	100.00
	54561	128	128	0	0.00	-----	-----	-----	-----	-----
	54562	-----	-----	-----	-----	100.10	-----	-----	-----	-----
	54588	11.0	11.6	0.60	5.31	-----	-----	-----	-----	-----

COLOR NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

EPA 110.2
CPU

AMMONIA NITROGEN	54515	<0.15	<0.15	0.075	0.00	-----	NH3 STD	8.000	7.576	94.69
SM4500NH3E	54844	-----	-----	-----	-----	93.54	NH3 STD	8.000	7.730	96.63
mg/L										

NITRATE	54521	2.90	2.86	0.040	1.39	-----	NO3 STD	4.000	3.971	99.29
EPA 353.2	54550	7.31	7.25	0.060	0.82	-----	NO3 STD	4.000	4.085	102.14
mg/L	54554	2.81	2.80	0.010	0.36	-----	NO3 STD	4.000	4.062	101.56
	54581	-----	-----	-----	-----	98.66	-----	-----	-----	-----

TOTAL DISS.SOLIDS	54588	107	106	1.0	0.94	-----	STD	293	290	99.00
EPA160.1										
mg/L										

TURBIDITY NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

SM 2130 B
NTU



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

QC REPORT FOR RESOURCE RECOVERY 03/06/97

QA/QC for SAMPLE Nos: 54580, 54581,
Page 2

Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
IRON, TOTAL SM3113B mg/L	54518	0.035	0.039	0.0040	10.81	98.40	-----	-----	-----	-----
MERCURY, TOTAL 245.1 mg/L	54518	<0.0002	<0.0002	0.00010	0.00	100.00	-----	-----	-----	-----
SODIUM, TOTAL 273.1 mg/L	54518	23.7	23.2	0.50	2.13	106.20	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM QI
DATE: 03/07/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54869 SAMPLE ID- 2MW2
DATE SAMPLED- 02/28/97 LOCATION-
DATE RECEIVED- 02/28/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1450 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WW
TIME SAMPLED- 1415
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
NITRATE	EPA 353.2	03/05/97	1600	IF	15.5 mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902
REPORT OF ANALYSES

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

PROJECT NAME: RES REC GW REDO
DATE: 05/22/97
DHRS # 44237, E44123

(Page 1 of 1)

SAMPLE			
LAB No.	DATE	TIME	SAMPLER
56911	05/13/97	1000	CHRIS CHILDRESS

DELIVERY TO LAB	
DATE	TIME MATRIX
05/13/97	1445 WA

CLIENT STATION ID: 4-MW-1
LAB #: 56911

WATER LEVEL	FEET	41.64
FIELD PH	STD. UNITS	6.60
FIELD TEMPERATURE	DEGREES C	24.1
FIELD CONDUCTIVITY	umhos/cm	1810
DISSOLVED OXYGEN, FIELD	mg/L	0.7
CHLORIDE	mg/L	520
TOTAL DISS.SOLIDS	mg/L	1492
POTASSIUM, TOTAL	mg/L	4.83
SODIUM, TOTAL	mg/L	105

LABORATORY DIRECTOR

PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

QC REPORT FOR RESOURCE RECOVERY 05/22/97

QA/QC for SAMPLE Nos: 56911.

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
CHLORIDE	56895	-----	-----	-----	-----	92.31	STD	80.00	79.96	96.20
EPA 325.2 mg/L	56911	529	512	17	3.27	-----	STD	80.00	83.42	104.20
	56942	85.6	90.2	4.6	5.23	-----	STD	80.00	83.66	104.60
	56945	80.1	81.8	1.7	2.10	-----	STD	80.00	79.71	99.89
	56947	63.8	62.2	1.6	2.54	-----	STD	80.00	82.00	102.50
	56950	37.8	37.5	0.30	0.80	-----	STD	80.00	79.69	99.61
	56958	-----	-----	-----	-----	109.90	STD	80.00	79.77	99.71
	56959	8.81	8.88	0.070	0.79	-----	STD	80.00	81.42	101.70
TOTAL DISS.SOLIDS	56943	355	363	8.0	2.23	-----	STD	293	291	99.30
EPA160.1 mg/L	56946	-----	-----	-----	-----	93.00	-----	-----	-----	-----
	56959	194	186	8.0	4.21	-----	-----	-----	-----	-----
POTASSIUM,TOTAL 258.1 mg/L	56911	7.45	7.50	0.050	0.67	104.80	-----	-----	-----	-----
SODIUM,TOTAL 273.1 mg/L	56911	105	104	1.0	0.96	100.30	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY

8864 GOVERNMENT DRIVE

NEW PORT RICHEY, FL 34654

(813) 847-8902

DATE. TIME. ANALYST REPORT

		ANALYSIS		
ANALYSIS	METHOD	DATE	TIME	ANALYST
CL- (auto)	EPA 325.2	05/19/97	1430	CMM
COND, FIELD	SM2510B	05/13/97	1000	CHR
DO, FIELD	SM4500-O G	05/13/97	1000	CHR
FIELD TEMP	SM2550B	05/13/97	1000	CHR
H2O LEVEL	FIELD	05/13/97	1000	CHR
K/T/FLAA	258.1	05/20/97	1540	TER
NA/T/FLAA	273.1	05/20/97	1220	TER
PH, FIELD	EPA 150.1	05/13/97	1000	CHR
TDS	EPA160.1	05/16/97	1630	CMM



BRC HARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



QA/QC DATA ENTRY SHEET

SAMPLE NUMBER: 7140126 THRU 7140234

PARAMETER	Blank Value	% Recovery (matrix spike)	Rel. % Difference (dups)	Date	Init
ANTIMONY	BDL	107%	0%	2/26	MG
ARSENIC	BDL	95%	0%	2/26	MG
BARIUM					
BERYLLIUM					
CADMIUM	BDL	94%	0%	2/26	MG
CHROMIUM					
LEAD	BDL	94%	0%	2/24	MG
MERCURY					
NICKEL					
SELENIUM	BDL	100%	0%	2/26	MG
SODIUM					
THALLIUM	BDL	103%	0%	2/27	MG

CYANIDE					
FLUORIDE					
NO3-N + NO2-N					
NITRATE					
NITRITE					



BRC HARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



QA/QC DATA ENTRY SHEET

SAMPLE NUMBER: 7140126 THRU 7140234

PARAMETER	Blank Value	% Recovery (matrix spike)	Rel. % Difference (dups)	Date	Init.
ALUMINUM					
COPPER					
IRON					
MANGANESE					
SILVER					
ZINC					

CHLORIDE					
COLOR					
FLUORIDE					
FOAM. AGENTS					
ODOR					
pH					
SULFATE					
TDS					



BROWARD TESTING LABORATORY, INC.

416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



QA/QC DATA ENTRY SHEET (ORGANICS)

Sample range: 7140141 THRU 7140201

Page 1 of 2

PARAMETER	BLANK	% RECOVERY	REL % DIFF
Herbicides by 515.2			
	Date	Init	
2,4-D			
Pentachloro phenol			
Dicamba			
548.1			
	Date	Init	
Endothall			
549.1			
	Date	Init	
Diquat			
547			
	Date	Init	
Glyphosate			
531.1			
	Date	Init	
Oxamyl			
Aldicarb			
Carbaryl			
525.2			
	Date	Init	
Di(2-ethylhexyl phthalate			
Benzo(a)pyrene			
Lindane			
625			
	Date	Init	
246 trichloro phenol			
ButylBenzyl phthalate			



BRO. ARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



QA/QC DATE ENTRY SHEET (ORGANICS)

Sample range: 7140141 THRU 7140201

Page 2 of 2

PARAMETER	BLANK	% RECOVERY	REL % DIFF
-----------	-------	------------	------------

502.2

Date 2/20/97

Init ER

1, 4 Dichloro benzene	BDL	108%	0.9%
cis-1,2 di chloroethene	BDL	92.0%	0.1%
Bromodichloro methane	BDL	99.3%	0.5%
Toluene	BDL	98.0%	3.0%

504.1

Date

Init

EDB			
-----	--	--	--

**BROWARD TESTING LABORATORY, INC.**

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

QA/QC DATE ENTRY SHEET
(ORGANICS)

Sample range: 7140202 THRU 7140336

Page 2 of 2

PARAMETER	BLANK	% RECOVERY	REL % DIFF
-----------	-------	------------	------------

502.2	Date 2/28/97	Init	ER
1, 4 Dichloro benzene	BDL	81.0%	1.3%
cis-1,2 di chloroethene	BDL	92.2%	0.7%
Bromodichloro methane	BDL	85.6%	6.3%
Toluene	BDL	70%	2.0%

504.1	Date	Init	
EDR			

Received: 02/20/97

Results by Sample

SAMPLE ID		METHOD BLANK		SAMPLE # 05		FRACTIONS: A					
Date & Time Collected				not specified		Category QC					
AG	ND	AS	ND	BA	ND	BE	ND	CD	ND	CO	ND
mg/L	DL=0.007	mg/L	DL=0.100	mg/L	DL=0.100	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.010
CR	ND	CU	ND	NI	ND	PB	ND	SB	ND	SE	ND
mg/L	DL=0.010	mg/L	DL=0.010	mg/L	DL=0.020	mg/L	DL=0.050	mg/L	DL=0.150	mg/L	DL=0.250
TL	ND	V	ND	ZN	ND						
mg/L	DL=0.300	mg/L	DL=0.010	mg/L	DL=0.005						
4-23-97											

Received: 02/20/97

Results by Sample

SAMPLE ID METHOD BLANK FRACTION 05A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected not specified Category QC

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.020</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.020</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID METHOD BLANKFRACTION 05ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected not specifiedCategory QC**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	<u>ND</u>	<u>50.0</u>			
Acrylonitrile	<u>ND</u>	<u>5.00</u>	Ethylbenzene	<u>ND</u>	<u>5.00</u>
Benzene	<u>ND</u>	<u>5.00</u>	2-Hexanone	<u>ND</u>	<u>10.0</u>
Bromochloromethane	<u>ND</u>	<u>5.00</u>	Methyl bromide	<u>ND</u>	<u>5.00</u>
Bromodichloromethane	<u>ND</u>	<u>5.00</u>	Methyl chloride	<u>ND</u>	<u>5.00</u>
Bromoform	<u>ND</u>	<u>5.00</u>	Methylene bromide	<u>ND</u>	<u>10.0</u>
Carbon disulfide	<u>ND</u>	<u>5.00</u>	Methylene chloride	<u>ND</u>	<u>10.0</u>
Carbon tetrachloride	<u>ND</u>	<u>10.0</u>	Methyl ethyl ketone	<u>ND</u>	<u>10.0</u>
Chlorobenzene	<u>ND</u>	<u>5.00</u>	Methyl iodide	<u>ND</u>	<u>10.0</u>
Chloroethane	<u>ND</u>	<u>10.0</u>	4-Methyl-2-pentanone	<u>ND</u>	<u>10.0</u>
Chloroform	<u>ND</u>	<u>5.00</u>	Styrene	<u>ND</u>	<u>5.00</u>
Dibromochloromethane	<u>ND</u>	<u>5.00</u>	1,1,1,2-Tetrachloroethane	<u>ND</u>	<u>5.00</u>
1,2-Dichlorobenzene	<u>ND</u>	<u>5.00</u>	1,1,2,2-Tetrachloroethane	<u>ND</u>	<u>5.00</u>
1,4-Dichlorobenzene	<u>ND</u>	<u>5.00</u>	Tetrachloroethene	<u>ND</u>	<u>5.00</u>
trans-1,4-Dichloro-2-butene	<u>ND</u>	<u>50.0</u>	Toluene	<u>ND</u>	<u>5.00</u>
1,1-Dichloroethane	<u>ND</u>	<u>5.00</u>	1,1,1-Trichloroethane	<u>ND</u>	<u>5.00</u>
1,2-Dichloroethane	<u>ND</u>	<u>5.00</u>	1,1,2-Trichloroethane	<u>ND</u>	<u>5.00</u>
1,1-Dichloroethene	<u>ND</u>	<u>5.00</u>	Trichloroethene	<u>ND</u>	<u>5.00</u>
cis-1,2-Dichloroethene	<u>ND</u>	<u>5.00</u>	Trichlorofluoromethane	<u>ND</u>	<u>5.00</u>
trans-1,2-Dichloroethene	<u>ND</u>	<u>5.00</u>	1,2,3-Trichloropropane	<u>ND</u>	<u>5.00</u>
1,2-Dichloropropane	<u>ND</u>	<u>5.00</u>	Vinyl acetate	<u>ND</u>	<u>5.00</u>
cis-1,3-Dichloropropene	<u>ND</u>	<u>5.00</u>	Vinyl chloride	<u>ND</u>	<u>5.00</u>
trans-1,3-Dichloropropene	<u>ND</u>	<u>5.00</u>	Total xylenes	<u>ND</u>	<u>5.00</u>

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	<u>104%</u>	<u>86</u> - <u>118</u>
Toluene-d8	<u>104%</u>	<u>88</u> - <u>110</u>
Bromofluorobenzene	<u>100%</u>	<u>86</u> - <u>115</u>

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

Received: 02/20/97

TOXIKON CORP.

REPORT

Work Order # 97-02-121

Results by Sample

SAMPLE ID		MEAN % RECOVERY		SAMPLE #		FRACTIONS: A		Date & Time Collected		Category		QC	
AG	91	AS	98	BA	105	BE	99	CD	98	CO	100		
	%		%		%		%		%		%		
CR	99	CU	99	NI	100	PB	99	SB	94	SE	96		
	%		%		%		%		%		%		
TL	97	V	99	ZN	93								
	%		%	4-23-97%									

Received: 02/20/97

Results by Sample

SAMPLE ID MEAN % RECOVERY FRACTION 06A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected not specified Category QC

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>85 %</u>	<u>*</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>99 %</u>	<u>*</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID MEAN % RECOVERY FRACTION 06A TEST CODE 8260A NAME PURGEABLE ORGANICS VOA
 Date & Time Collected not specified Category QC

EPA 8260A PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Acetone	*	*			
Acrylonitrile	*	*	Ethylbenzene	*	*
Benzene	76%	*	2-Hexanone	*	*
Bromochloromethane	*	*	Methyl bromide	*	*
Bromodichloromethane	*	*	Methyl chloride	*	*
Bromoform	*	*	Methylene bromide	*	*
Carbon disulfide	*	*	Methylene chloride	*	*
Carbon tetrachloride	*	*	Methyl ethyl ketone	*	*
Chlorobenzene	84%	*	Methyl iodide	*	*
Chloroethane	*	*	4-Methyl-2-pentanone	*	*
Chloroform	*	*	Styrene	*	*
Dibromochloromethane	*	*	1,1,1,2-Tetrachloroethane	*	*
1,2-Dichlorobenzene	*	*	1,1,2,2-Tetrachloroethane	*	*
1,4-Dichlorobenzene	*	*	Tetrachloroethene	*	*
trans-1,4-Dichloro-2-butene	*	*	Toluene	92%	*
1,1-Dichloroethane	*	*	1,1,1-Trichloroethane	*	*
1,2-Dichloroethane	*	*	1,1,2-Trichloroethane	*	*
1,1-Dichloroethene	64%	*	Trichloroethene	80%	*
cis-1,2-Dichloroethene	*	*	Trichlorofluoromethane	*	*
trans-1,2-Dichloroethene	*	*	1,2,3-Trichloropropane	*	*
1,2-Dichloropropane	*	*	Vinyl acetate	*	*
cis-1,3-Dichloropropene	*	*	Vinyl chloride	*	*
trans-1,3-Dichloropropene	*	*	Total xylenes	*	*

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	109%	86 - 118
Toluene-d8	102%	88 - 110
Bromofluorobenzene	102%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: %

ND = not detected at detection limit

Received: 02/20/97

Results by Sample

SAMPLE ID <u>RPD</u>		SAMPLE # <u>07</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>not specified</u>				Category <u>QC</u>	
AG	<u>0</u>	AS	<u>0</u>	BA	<u>0</u>
	%		%	BE	<u>0</u>
				CD	<u>0</u>
				CO	<u>0</u>
CR	<u>15</u>	CU	<u>4.6</u>	NI	<u>0</u>
	%		%	PB	<u>0</u>
				SB	<u>0</u>
				SE	<u>0</u>
TL	<u>0</u>	V	<u>12</u>	ZN	<u>3.3</u>
	%		%	<u>4-23-97%</u>	

Received: 02/20/97

Results by Sample

SAMPLE ID RPD FRACTION 07A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected not specified Category QC

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>9.4 %</u>	<u>*</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>2.0 %</u>	<u>*</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID RPDFRACTION 07ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected not specifiedCategory QCEPA 8260A PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Acetone	*	*			
Acrylonitrile	*	*	Ethylbenzene	*	*
Benzene	0%	*	2-Hexanone	*	*
Bromochloromethane	*	*	Methyl bromide	*	*
Bromodichloromethane	*	*	Methyl chloride	*	*
Bromoform	*	*	Methylene bromide	*	*
Carbon disulfide	*	*	Methylene chloride	*	*
Carbon tetrachloride	*	*	Methyl ethyl ketone	*	*
Chlorobenzene	4.0%	*	Methyl iodide	*	*
Chloroethane	*	*	4-Methyl-2-pentanone	*	*
Chloroform	*	*	Styrene	*	*
Dibromochloromethane	*	*	1,1,1,2-Tetrachloroethane	*	*
1,2-Dichlorobenzene	*	*	1,1,2,2-Tetrachloroethane	*	*
1,4-Dichlorobenzene	*	*	Tetrachloroethene	*	*
trans-1,4-Dichloro-2-butene	*	*	Toluene	0%	*
1,1-Dichloroethane	*	*	1,1,1-Trichloroethane	*	*
1,2-Dichloroethane	*	*	1,1,2-Trichloroethane	*	*
1,1-Dichloroethene	1.0%	*	Trichloroethene	1.0%	*
cis-1,2-Dichloroethene	*	*	Trichlorofluoromethane	*	*
trans-1,2-Dichloroethene	*	*	1,2,3-Trichloropropane	*	*
1,2-Dichloropropane	*	*	Vinyl acetate	*	*
cis-1,3-Dichloropropene	*	*	Vinyl chloride	*	*
trans-1,3-Dichloropropene	*	*	Total xylenes	*	*

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	109%	86 - 118
Toluene-d8	102%	88 - 110
Bromofluorobenzene	102%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

**QA/QC DATA ENTRY SHEET**

SAMPLE NUMBER: 7140126 THRU 7140234

PARAMETER	Blank Value	% Recovery (matrix spike)	Rel. % Difference (dups)	Date	Init
ANTIMONY	BDL	107%	0%	2/26	MG
ARSENIC	BDL	95%	0%	2/26	MG
BARIUM					
BERYLLIUM					
CADMIUM	BDL	94%	0%	2/26	MG
CHROMIUM					
LEAD	BDL	94%	0%	2/24	MG
MERCURY					
NICKEL					
SELENIUM	BDL	100%	0%	2/26	MG
SODIUM					
THALLIUM	BDL	103%	0%	2/27	MG

CYANIDE					
FLUORIDE					
NO3-N + NO2-N					
NITRATE					
NITRITE					

BROWARD TESTING LABORATORY, INC.

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

**QA/QC DATA ENTRY SHEET**

SAMPLE NUMBER: 7140126 THRU 7140234

PARAMETER	Blank Value	% Recovery (matrix spike)	Rel. % Difference (dups)	Date	Init
ANTIMONY	BDL	107%	0%	2/26	MG
ARSENIC	BDL	95%	0%	2/26	MG
BARIUM					
BERYLLIUM					
CADMIUM	BDL	94%	0%	2/26	MG
CHROMIUM					
LEAD	BDL	94%	0%	2/24	MG
MERCURY					
NICKEL					
SELENIUM	BDL	100%	0%	2/26	MG
SODIUM					
THALLIUM	BDL	103%	0%	2/27	MG

CYANIDE					
FLUORIDE					
NO3-N + NO2-N					
NITRATE					
NITRITE					

**BROWARD TESTING LABORATORY, INC.**

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334

**QA/QC DATE ENTRY SHEET
(ORGANICS)**Sample range: 7140202 THRU 7140336

Page 2 of 2

PARAMETER	BLANK	% RECOVERY	REL % DIFF
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502.2

Date 2/28/97Init ER

1, 4 Dichloro benzene	BDL	81.0%	1.3%
cis-1,2 di chloroethene	BDL	92.2%	0.7%
Bromodichloro methane	BDL	85.6%	6.3%
Toluene	BDL	70%	2.0%

504.1

Date

Init

EPR			
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Received: 02/20/97

Results by Sample

SAMPLE ID		METHOD BLANK		SAMPLE # 03		FRACTIONS: A					
Date & Time Collected				not specified		Category QC					
AG	ND	AS	ND	BA	ND	BE	ND	CD	ND	CO	ND
mg/L	DL=0.007	mg/L	DL=0.100	mg/L	DL=0.100	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.010
CR	ND	CU	ND	NI	ND	PB	ND	SB	ND	SE	ND
mg/L	DL=0.010	mg/L	DL=0.010	mg/L	DL=0.020	mg/L	DL=0.050	mg/L	DL=0.150	mg/L	DL=0.250
TL	ND	V	ND	ZN	ND						
mg/L	DL=0.300	mg/L	DL=0.010	mg/L	DL=0.005						
4-23-97											

Received: 02/20/97

Results by Sample

SAMPLE ID METHOD BLANK FRACTION 03A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected not specified Category QC

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.020</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.020</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID METHOD BLANK FRACTION 03A TEST CODE 8260A NAME PURGEABLE ORGANICS VOA
 Date & Time Collected not specified Category QC

EPA 8260A PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	5.00	Ethylbenzene	ND	5.00
Benzene	ND	5.00	2-Hexanone	ND	10.0
Bromochloromethane	ND	5.00	Methyl bromide	ND	5.00
Bromodichloromethane	ND	5.00	Methyl chloride	ND	5.00
Bromoform	ND	5.00	Methylene bromide	ND	10.0
Carbon disulfide	ND	5.00	Methylene chloride	ND	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	104%	86 - 118
Toluene-d8	104%	88 - 110
Bromofluorobenzene	100%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

Results by Sample

SAMPLE ID		MEAN % RECOVERY		SAMPLE # 04		FRACTIONS: A	
				Date & Time Collected		not specified	
						Category QC	
AG	91	AS	98	BA	105	BE	99
	%		%		%		%
CD	98	CO	100				
	%		%				%
CR	99	CU	99	NI	100	PB	99
	%		%		%		%
SB	94	SE	96				
	%		%				%
TL	97	V	99	ZN	93		
	%		%				
4-23-97 %							

Received: 02/20/97

Results by Sample

SAMPLE ID MEAN % RECOVERY FRACTION 04A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected not specified Category QC

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>89 %</u>	<u>*</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>99 %</u>	<u>*</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID MEAN % RECOVERY FRACTION 04A TEST CODE 8260A NAME PURGEABLE ORGANICS VOA
 Date & Time Collected not specified Category QC

EPA 8260A PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Acetone	*	*		*	*
Acrylonitrile	*	*	Ethylbenzene	*	*
Benzene	76%	*	2-Hexanone	*	*
Bromochloromethane	*	*	Methyl bromide	*	*
Bromodichloromethane	*	*	Methyl chloride	*	*
Bromoform	*	*	Methylene bromide	*	*
Carbon disulfide	*	*	Methylene chloride	*	*
Carbon tetrachloride	*	*	Methyl ethyl ketone	*	*
Chlorobenzene	84%	*	Methyl iodide	*	*
Chloroethane	*	*	4-Methyl-2-pentanone	*	*
Chloroform	*	*	Styrene	*	*
Dibromochloromethane	*	*	1,1,1,2-Tetrachloroethane	*	*
1,2-Dichlorobenzene	*	*	1,1,2,2-Tetrachloroethane	*	*
1,4-Dichlorobenzene	*	*	Tetrachloroethene	*	*
trans-1,4-Dichloro-2-butene	*	*	Toluene	92%	*
1,1-Dichloroethane	*	*	1,1,1-Trichloroethane	*	*
1,2-Dichloroethane	*	*	1,1,2-Trichloroethane	*	*
1,1-Dichloroethene	64%	*	Trichloroethene	80%	*
cis-1,2-Dichloroethene	*	*	Trichlorofluoromethane	*	*
trans-1,2-Dichloroethene	*	*	1,2,3-Trichloropropane	*	*
1,2-Dichloropropane	*	*	Vinyl acetate	*	*
cis-1,3-Dichloropropene	*	*	Vinyl chloride	*	*
trans-1,3-Dichloropropene	*	*	Total xylenes	*	*

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	109%	86 - 118
Toluene-d8	102%	88 - 110
Bromofluorobenzene	102%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____ *

UNITS: _____ %

ND = not detected at detection limit

Received: 02/20/97

Results by Sample

SAMPLE ID <u>RPD</u>		SAMPLE # <u>05</u>		FRACTIONS: <u>A</u>	
		Date & Time Collected <u>not specified</u>		Category <u>QC</u>	
AG	<u>0</u> %	AS	<u>0</u> %	BA	<u>0</u> %
		BE	<u>0</u> %	CD	<u>0</u> %
		CO	<u>0</u> %		
CR	<u>15</u> %	CU	<u>4.6</u> %	NI	<u>0</u> %
		PB	<u>0</u> %	SB	<u>0</u> %
		SE	<u>0</u> %		
TL	<u>0</u> %	V	<u>12</u> %	ZN	<u>0</u> %
4-23-91 %					

Received: 02/20/97

Results by Sample

SAMPLE ID RPD FRACTION 05A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected not specified Category QC

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>9.4 %</u>	<u>*</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>2.0 %</u>	<u>*</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/25/97

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/20/97

Results by Sample

SAMPLE ID RPD FRACTION 05A TEST CODE 8260A NAME PURGEABLE ORGANICS VOA
 Date & Time Collected not specified Category QC

EPA 8260A PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Acetone	*	*			
Acrylonitrile	*	*	Ethylbenzene	*	*
Benzene	0%	*	2-Hexanone	*	*
Bromochloromethane	*	*	Methyl bromide	*	*
Bromodichloromethane	*	*	Methyl chloride	*	*
Bromoform	*	*	Methylene bromide	*	*
Carbon disulfide	*	*	Methylene chloride	*	*
Carbon tetrachloride	*	*	Methyl ethyl ketone	*	*
Chlorobenzene	4.0%	*	Methyl iodide	*	*
Chloroethane	*	*	4-Methyl-2-pentanone	*	*
Chloroform	*	*	Styrene	*	*
Dibromochloromethane	*	*	1,1,1,2-Tetrachloroethane	*	*
1,2-Dichlorobenzene	*	*	1,1,2,2-Tetrachloroethane	*	*
1,4-Dichlorobenzene	*	*	Tetrachloroethene	*	*
trans-1,4-Dichloro-2-butene	*	*	Toluene	0%	*
1,1-Dichloroethane	*	*	1,1,1-Trichloroethane	*	*
1,2-Dichloroethane	*	*	1,1,2-Trichloroethane	*	*
1,1-Dichloroethene	1.0%	*	Trichloroethene	1.0%	*
cis-1,2-Dichloroethene	*	*	Trichlorofluoromethane	*	*
trans-1,2-Dichloroethene	*	*	1,2,3-Trichloropropane	*	*
1,2-Dichloropropane	*	*	Vinyl acetate	*	*
cis-1,3-Dichloropropene	*	*	Vinyl chloride	*	*
trans-1,3-Dichloropropene	*	*	Total xylenes	*	*

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	109%	86 - 118
Toluene-d8	102%	88 - 110
Bromofluorobenzene	102%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 03/03/97ANALYST: BEDINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: %

ND = not detected at detection limit