



PASCO COUNTY, FLORIDA

D.E.P.

OCT 25 1996
SOUTHWEST DISTRICT
TAMPA

DADE CITY (352) 521-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8145

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

October 23, 1996

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

RE: West Pasco Class I Sanitary Landfill
Groundwater Monitoring
Semester II, 1996

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 second semester (July-Dec) 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.

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,


Candia E. Mulhern
Laboratory Manager

CEM/as

cc: Chongman Lee, Florida Department of Environmental Protection, Waste Management Section, Twin Towers Bldg., 2600 Blair Stone Road, Tallahassee, FL 32399-2400
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)

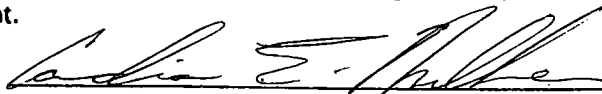
PART I GENERAL INFORMATION

- (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: 10/02/96



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

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)

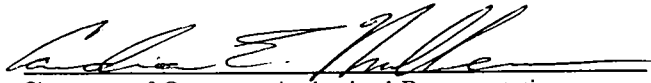
PART I - GENERAL INFORMATION

- (1) Facility Name: Resource Recovery - West Pasco Class I Landfill
Address: Hays Road
City, State, Zip: Hudson, Florida 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: 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: 10/02/96


Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

Analytical Lab Comp QAP #/HRS Certification #

Comp QAP #/HRS Certification #

Lab Name:

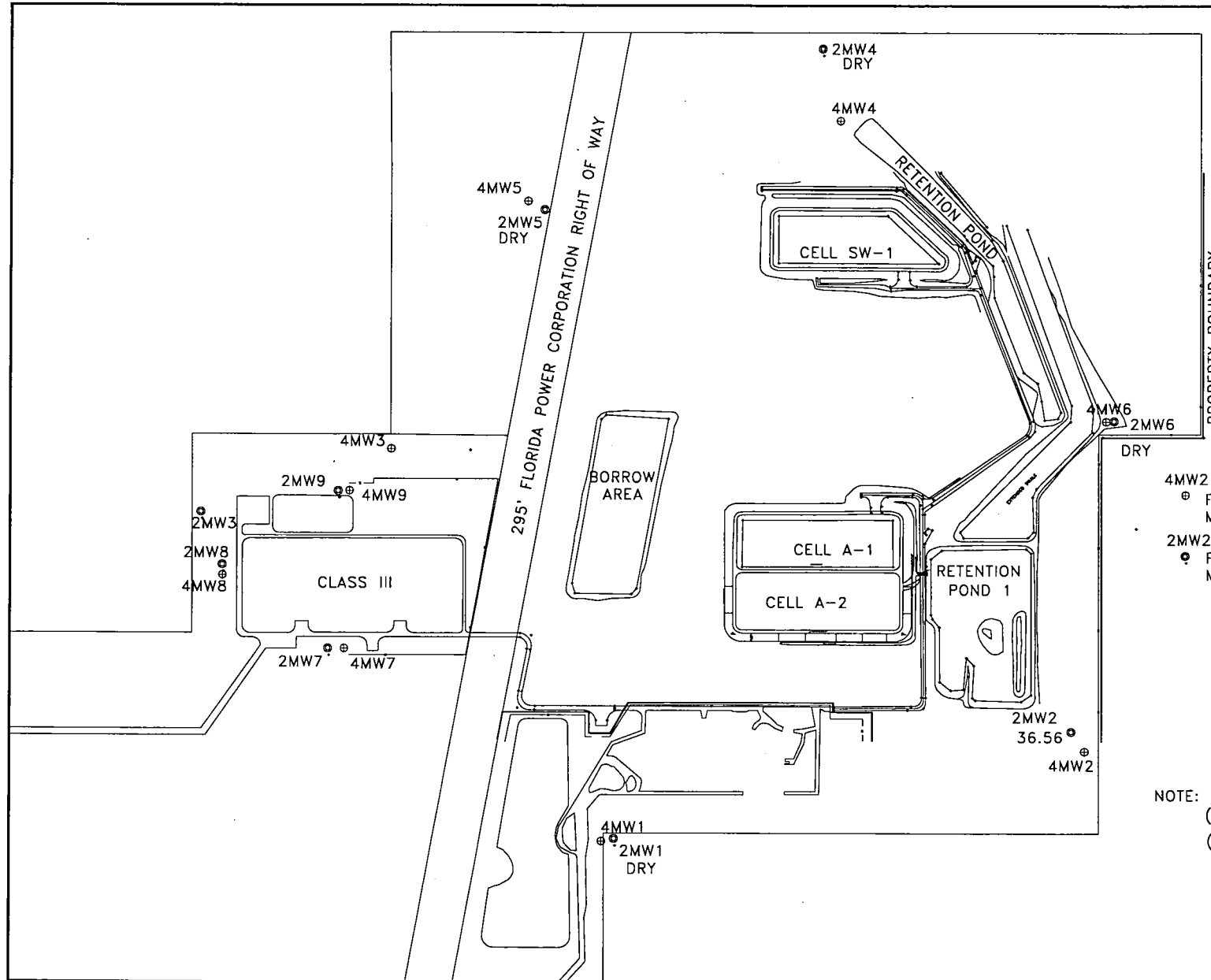
Address:

Phone Number:

RESOURCE RECOVERY CLASS I LANDFILL
GROUNDWATER EXCEEDENCE SUMMARY SHEET
SEMESTER II, 1996

WELL	ANALYTE	RESULT (mg/L)	MCL (mg/L)
4MW1	CHLORIDE	368	250
	TDS	1340	500
	CHROMIUM	0.107	0.1
2MW2	NITRATE	17.0	10
4MW4	SELENIUM	0.325	0.05

ACAD=41508692



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 10/11/96
Checked/Date: GWE 10/14/96

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



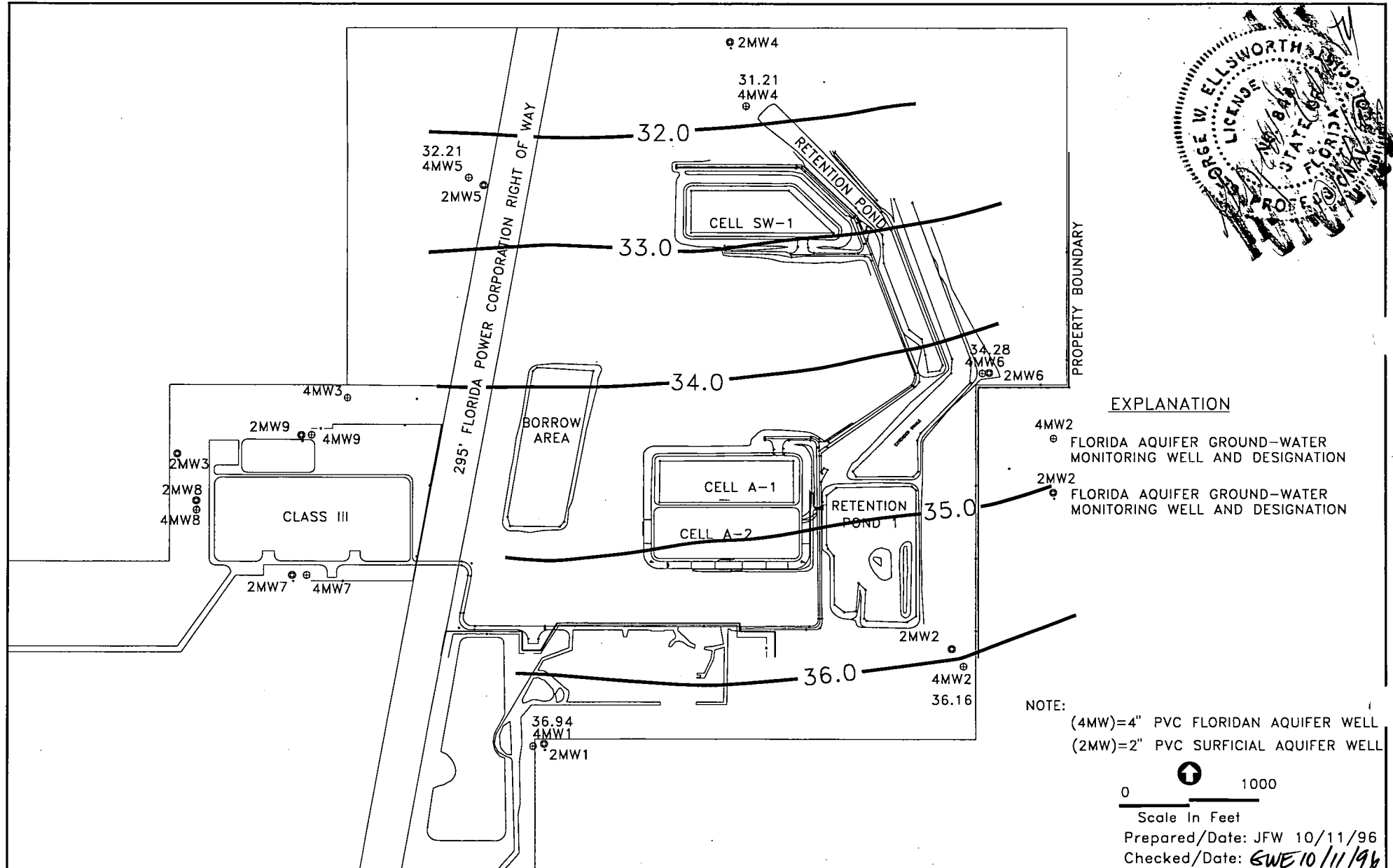
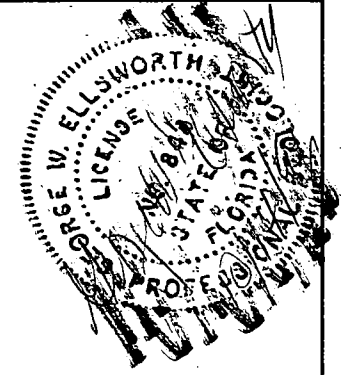
Ground-Water Monitoring

Surficial Aquifer Water Table Map
AUGUST 1996

Project 40141-5-0869

Figure 1

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

Floridan Aquifer Potentiometric Surface Map
AUGUST 1996

Project 40141-5-0869

Figure 2

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 08/21/96
 Test Site ID #: 4051A16506 Report Period: 1996 / Quarter III
 (year/quarter)
 Well Name: 2MW-1 Well Purged (Y/N): YES
 Classification of Groundwater: Surficial Well Type: (XXX) Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ () Compliance
 or (MSL): _____ () Other

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: 08/21/96 @ 1400

Test Site ID #: 4051A16511 Report Period: 1996 / Quarter III
(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): 36.94

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	08/28/96 1020	78.4 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	08/28/96 0920	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	09/03/96 1200	<0.0005 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	08/21/96 1400	6.93 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	08/21/96 1400	25.8 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	08/21/96 1400	1,447 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	08/21/96 1400	1.1 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	08/21/96 1440	0.06 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	08/22/96 0900	368 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	08/26/96 1500	1,340 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	08/22/96 1030	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	08/21/96 1500	1.04 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B	-	- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		08/21/96 1400	36.94 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 8/21/96 14:00

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: Resource Recovery 4MW1

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)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		μmhos/cm	μmhos/cm
01095	Antimony			EPA 204.2	8-28-96	ND	0.150
01000	Arsenic			EPA 206.2	8-28-96	ND	0.100
01005	Barium			EPA 208.2	8-28-96	0.043	0.010
01010	Beryllium			EPA210.2	8-28-96	ND	0.004
01025	Cadmium			EPA 213.2	8-28-96	ND	0.010
01030	Chromium			EPA 218.2	8-28-96	0.107	0.010
01035	Cobalt			EPA 219.2	8-28-96	ND	0.010
01040	Copper			EPA 220.1	8-28-96	ND	0.010
01049	Lead			EPA 239.2	8-28-96	ND	0.050
01065	Nickel			EPA 249.1	8-28-96	ND	0.020
01145	Selenium			EPA 270.2	8-28-96	ND	0.250
01075	Silver			EPA 272.2	8-28-96	ND	0.010
01057	Thallium			EPA 279.2	8-28-96	ND	0.300
01085	Vanadium			EPA 286.2	8-28-96	ND	0.010
01090	Zinc			EPA 289.1	8-28-96	ND	0.010

* 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	8-30-96	ND	50.0
34215	Acrylonitrile			EPA 8260A	8-30-96	ND	5.00
34235	Benzene			EPA 8260A	8-30-96	ND	5.00
N/A	Bromochloromethane			EPA 8260A	8-30-96	ND	5.00
32101	Bromodichloromethane			EPA 8260A	8-30-96	ND	5.00
32104	Bromoform			EPA 8260A	8-30-96	ND	5.00
77041	Carbon disulfide			EPA 8260A	8-30-96	ND	5.00
32102	Carbon tetrachloride			EPA 8260A	8-30-96	ND	10.0
34301	Chlorobenzene			EPA 8260A	8-30-96	ND	5.00
34311	Chloroethane			EPA 8260A	8-30-96	ND	5.00
32106	Chloroform			EPA 8260A	8-30-96	ND	5.00
32105	Dibromochloromethane			EPA 8260A	8-30-96	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	8-27-96	ND	0.0200
77651	1,2-Dibromoethane			EPA 504	8-27-96	ND	0.0200
34537	o-Dichlorobenzene			EPA 8260A	8-30-96	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	8-30-96	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	8-30-96	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	8-30-96	ND	5.00
32103	1,2-Dichloroethane			EPA 8260A	8-30-96	ND	5.00
34502	1,1-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	8-30-96	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	8-30-96	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	8-30-96	ND	5.00
78113	Ethylbenzene			EPA 8260A	8-30-96	ND	5.00
77103	2-Hexanone			EPA 8260A	8-30-96	ND	10.0
34413	Methyl bromide			EPA 8260A	8-30-96	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	8-30-96	ND	5.00
77596	Methylene bromide			EPA 8260A	8-30-96	ND	10.0
34423	Methylene chloride			EPA 8260A	8-30-96	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	8-30-96	ND	10.0
49262	Methyl iodide			EPA 8260A	8-30-96	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	8-30-96	ND	10.0
77128	Styrene			EPA 8260A	8-30-96	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	8-30-96	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	8-30-96	ND	5.00
34476	Tetrachloroethene			EPA 8260A	8-30-96	ND	5.00
78131	Toluene			EPA 8260A	8-30-96	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	8-30-96	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	8-30-96	ND	5.00
34485	Trichloroethene			EPA 8260A	8-30-96	ND	5.00
34488	Trichlorofluoromethane			EPA 8260A	8-30-96	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	8-30-96	ND	5.00
77057	Vinyl acetate			EPA 8260A	8-30-96	ND	5.00
39175	Vinyl chloride			EPA 8260A	8-30-96	ND	5.00
81551	Xylenes			EPA 8260A	8-30-96	ND	5.00

* Attach Laboratory Reports



BROWARD TESTING LABORATORY, INC.

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



Date: 09/06/96 Report #: 7080335 Laboratory ID #: 86418

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

Date Collected: 08/21/96
Time Collected: 14:00
SOURCE: RESOURCE RECOVERY
4 MW 1

Date received at lab: 08/22/96
Collected by: C.C.

Time received at lab: 10:35

ENVIRONMENTAL LABORATORY CERTIFICATION NUMBER 86035 LABORATORY PARAMETER ANALYSIS REPORT

Analysis Performed	Method	Analysis Result (mg/l)	Anal Date
-----------------------	--------	------------------------------	--------------

PARAMETERS WERE SUBCONTRACTED TO TOXIKON LABS, SEE ATTACHED.

Gary Meyer, Lab Director

Received: 08/22/96

Results by Sample

SAMPLE ID <u>7080335</u>			SAMPLE # <u>05</u> FRACTIONS: <u>A</u>		
Date & Time Collected <u>08/21/96 14:00:00</u>			Category <u>LIQUID</u>		
AG <u>ND</u>	AS <u>ND</u>	BA <u>0.043</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.010 8/28	mg/L DL=0.100 8/28	mg/L DL=0.010 8/28	mg/L DL=0.004 8/28	mg/L DL=0.010 8/28	mg/L DL=0.010 8/28
CR <u>0.107</u>	CJ <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.010 8/28	mg/L DL=0.010 8/28	mg/L DL=0.020 8/28	mg/L DL=0.050 8/28	mg/L DL=0.150 8/28	mg/L DL=0.250 8/28
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>			
mg/L DL=0.300 8/28	mg/L DL=0.010 8/28	mg/L DL=0.010 8/28			

Received: 08/22/96

Results by Sample

SAMPLE ID 7080335FRACTION 05ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 08/21/96 14:00:00Category LIQUID**EPA METHOD 504**

	PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
	ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.0200</u>	106-93-4
	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 08/22/96

Results by Sample

SAMPLE ID 7080335FRACTION 05ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 08/21/96 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	5.00	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
1,2-Dichloroethane-d4	104	86 - 118
Toluene-d8	94	88 - 110
Bromofluorobenzene	103	86 - 115

Notes and Definitions for this Report:

DATE RUN: 08/30/96ANALYST: CHINSTRUMENT: GDIL. FACTOR: 1

COMMENTS: _____

UNITS: UG/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 08/20/96 @ 1430
 Test Site ID #: 4051A16507 Report Period: 1996 / Quarter III
 (year/quarter)
 Well Name: 2MN-2 Well Purged (Y/N): YES
 Classification of Groundwater: Surficial Well Type: () Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ (XXX) Compliance
 () Other
 or (MSL): 36.56

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	08/28/96 1020	3.34 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	08/28/96 0920	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	09/03/96 1200	0.001 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	08/20/96 1430	5.72 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	08/20/96 1430	24.7 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	08/20/96 1430	179 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	08/20/96 1430	3.9 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	08/20/96 1535	0.69 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	08/21/96 0900	4.8 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	08/26/96 1500	189 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	08/22/96 1030	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	08/21/96 1500	17.0 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B	-	- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		08/20/96 1430	36.56 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 8/20/96 14:30

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: Resource Recovery 2MW2 GWM

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)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		μmhos/cm	μmhos/cm
01095	Antimony			EPA 204.2	9-03-96	ND	0.300
01000	Arsenic			EPA 206.2	9-03-96	ND	0.100
01005	Barium			EPA 208.2	9-03-96	0.180	0.020
01010	Beryllium			EPA210.2	9-03-96	ND	0.005
01025	Cadmium			EPA 213.2	9-03-96	ND	0.010
01030	Chromium			EPA 218.2	9-03-96	ND	0.050
01035	Cobalt			EPA 219.2	9-03-96	ND	0.010
01040	Copper			EPA 220.1	9-03-96	0.012	0.010
01049	Lead			EPA 239.2	9-03-96	ND	0.050
01065	Nickel			EPA 249.1	9-03-96	ND	0.050
01145	Selenium			EPA 270.2	9-03-96	ND	0.250
01075	Silver			EPA 272.2	9-03-96	ND	0.010
01057	Thallium			EPA 279.2	9-03-96	ND	0.300
01085	Vanadium			EPA 286.2	9-03-96	ND	0.010
01090	Zinc			EPA 289.1	9-03-96	0.067	0.050

* 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	8-30-96	ND	50.0
34215	Acrylonitrile			EPA 8260A	8-30-96	ND	5.00
34235	Benzene			EPA 8260A	8-30-96	ND	5.00
N/A	Bromochloromethane			EPA 8260A	8-30-96	ND	5.00
32101	Bromodichloromethane			EPA 8260A	8-30-96	ND	5.00
32104	Bromoform			EPA 8260A	8-30-96	ND	5.00
77041	Carbon disulfide			EPA 8260A	8-30-96	ND	5.00
32102	Carbon tetrachloride			EPA 8260A	8-30-96	ND	10.0
34301	Chlorobenzene			EPA 8260A	8-30-96	ND	5.00
34311	Chloroethane			EPA 8260A	8-30-96	ND	10.0
32106	Chloroform			EPA 8260A	8-30-96	ND	5.00
32105	Dibromochloromethane			EPA 8260A	8-30-96	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	8-27-96	ND	0.0200
77651	1,2-Dibromoethane			EPA 504	8-27-96	ND	0.0200
34537	o-Dichlorobenzene			EPA 8260A	8-30-96	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	8-30-96	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	8-30-96	ND	5.00
34496	1,1-Dichloroethane			EPA 8260A	8-30-96	ND	5.00
32103	1,2-Dichloroethane			EPA 8260A	8-30-96	ND	5.00
34502	1,1-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	8-30-96	ND	50.0
34541	1,2-Dichloropropane			EPA 8260A	8-30-96	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	8-30-96	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	8-30-96	ND	5.00
78113	Ethylbenzene			EPA 8260A	8-30-96	ND	5.00
77103	2-Hexanone			EPA 8260A	8-30-96	ND	10.0
34413	Methyl bromide			EPA 8260A	8-30-96	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	8-30-96	ND	5.00
77596	Methylene bromide			EPA 8260A	8-30-96	ND	10.0
34423	Methylene chloride			EPA 8260A	8-30-96	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	8-30-96	ND	10.0
49262	Methyl iodide			EPA 8260A	8-30-96	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	8-30-96	ND	10.0
77128	Styrene			EPA 8260A	8-30-96	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	8-30-96	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	8-30-96	ND	5.00
34476	Tetrachloroethene			EPA 8260A	8-30-96	ND	5.00
78131	Toluene			EPA 8260A	8-30-96	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	8-30-96	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	8-30-96	ND	5.00
34485	Trichloroethene			EPA 8260A	8-30-96	ND	5.00
34488	Trichlorofluoromethane			EPA 8260A	8-30-96	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	8-30-96	ND	5.00
77057	Vinyl acetate			EPA 8260A	8-30-96	ND	5.00
39175	Vinyl chloride			EPA 8260A	8-30-96	ND	5.00
81551	Xylenes			EPA 8260A	8-30-96	ND	5.00

* Attach Laboratory Reports

Received: 08/21/96

09/25/96 12:57:15

REPORT NATIONAL TESTING LABORATORYTO 6555 WILSON MILLS ROADCLEVELAND, OHIO 441431(800)458-3330 F(216)449-8585ATTEN SUSAN HENDERSONPREPARED TOXIKON WEST PALM BEACHBY 1860 OLD OKEECHOBEE RD. #401WEST PALM BEACH, FL 33409HRS #E86278,86396 QA# 910150GATTEN JOHN YAREMCHUKPHONE (407) 478-4803 FAX 478-0214CERTIFIED BY CONTACT JOHNCLIENT NTL SAMPLES 4COMPANY NATIONAL TESTING LABORATORYFACILITY 6555 WILSON MILLS ROADCLEVELAND, OHIO 44143WORK ID 7080329TAKEN 08/20/96TRANS COURIERTYPE LIQUID

P.O. # _____

INV. # 4216

Duplicate of report of 09/04/96.

Previously Reported on 09/04/96.

First Reported on 09/03/96.

SAMPLE IDENTIFICATION

01 7080329/RR 2MW-2
02 METHOD BLANK
03 MEAN % RECOVERY
04 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



BROWARD TESTING LABORATORIES, INC.

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



Date: 09/10/96 Report #: 7080329 Laboratory ID #: 86418

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

Date Collected: 08/20/96
Time Collected: 14:30
SOURCE: RESOURCE RECOVERY
2MW2 GWM

Date received at lab: 08/21/96
Collected by : C.C.

Time received at lab: 02:20

ENVIRONMENTAL LABORATORY CERTIFICATION NUMBER 86035 LABORATORY PARAMETER ANALYSIS REPORT

Analysis Performed	Method	Analysis Result (mg/l)	Anal Date
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PARAMETERS WERE SUBCONTRACTED TO TOXIKON LABS, SEE ATTACHED.

Gary Meyer, Lab Director

CHAIN OF CUSTODY RECORD

☐ BROWARD TESTING LABORATORIES

☐ NATIONAL TESTING LABORATORIES

☐ WATERTEST CORPORATION OF AMERICA

SHADED AREA FOR LAB USE ONLY

PAGE 1 OF 1

CLIENT/COMPANY ORDERING TEST			PROJECT SITE		# OF CONTAINERS	SAMPLE MATRIX	SAMPLE DEPTH	WELL DEPTH	TEST(S) REQUESTED (X)												CONTAINER	VOLUME AND PRESERVATIVE						
LAB #			COLLECTION DATE TIME						SAMPLE SITE DESCRIPTION																			
Pasco County Env. Lab.			Resource Recovery						40 CR PART 250 APP 1																			
SAMPLERS: (Signature) Chris Chubb			PROJECT #																									
	8/20/96	1235	4mw 4	GWM	5	G			X																			
		1400	4mw 2	" "	5	G			X																			
		1430	2mw 2	" "	5	G			X																			
708032921																												
FIELD COMMENTS: Please Provide ALL QA/QC Data Report in FDEP Format 62-522.900(2)																												
LAB COMMENTS:																												

PREPARED BY: (Signature) Chris Chubb	DATE 8/20/96	TIME	RECEIVED BY: (Signature)	RELINQUISHED BY: (Signature) Chris Chubb	DATE 8/20/96	TIME 1505	RECEIVED BY: (Signature) Cem
RELINQUISHED BY: (Signature)	DATE 8/20/96	TIME	RECEIVED FOR LABORATORY BY (Signature) [Signature]	DATE 8/21/96	TIME 2:20	SHIPPING CONDITIONS: (Check One) ☐ Iced ☐ Ambient	
				TEMPERATURE: _____ °C Lowest _____ °C Highest _____ °C Receipt			
MATRIX: DRINKING WATER = D SOIL/SEDIMENT = S GROUND WATER = G SLUDGE/WASTE = SL POOL WATER = P OTHER = 0				ESTIMATED DELIVERY DATE:		OBSERVED CONTAMINATION LEVEL	
						LOW = L (NO DETECTABLE ODOR) HIGH = H MEDIUM = M UNKNOWN = U	

Received: 08/21/96

Results by Sample

SAMPLE ID <u>7080329/RR 2MW-2</u>		SAMPLE # <u>01</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>08/20/96 14:30:00</u> Category <u>LIQUID</u>					
AG <u>ND</u>	AS <u>ND</u>	BA <u>0.180</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.010 <u>9/3</u>	mg/L DL=0.100 <u>9/3</u>	mg/L DL=0.020 <u>9/3</u>	mg/L DL=0.005 <u>9/3</u>	mg/L DL=0.010 <u>9/3</u>	mg/L DL=0.010 <u>9/3</u>
CR <u>ND</u>	CU <u>0.012</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.050 <u>9/3</u>	mg/L DL=0.010 <u>9/3</u>	mg/L DL=0.050 <u>9/3</u>	mg/L DL=0.050 <u>9/3</u>	mg/L DL=0.300 <u>9/3</u>	mg/L DL=0.250 <u>9/3</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>0.067</u>			
mg/L DL=0.300 <u>9/3</u>	mg/L DL=0.010 <u>9/3</u>	mg/L DL=0.050 <u>9/3</u>			

Received: 08/21/96

Results by Sample

SAMPLE ID 7080329/RR 2M-2 FRACTION 01A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected 08/20/96 14:30:00 Category LIQUID

EPA METHOD 504

	PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
	ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.0200</u>	106-93-4
	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 08/21/96

Results by Sample

SAMPLE ID 7080329/RR 2M-2FRACTION 01ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 08/20/96 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
1,2-Dichloroethane-d4	96	86 - 118
Toluene-d8	94	88 - 110
Bromofluorobenzene	103	86 - 115

Notes and Definitions for this Report:

DATE RUN: 08/30/96ANALYST: CHINSTRUMENT: GDIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 08/20/96 @ 1400

Test Site ID #: 4051A16512 Report Period: 1996 / Quarter III
(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): 36.16

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	08/28/96 1020	2.75 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	08/28/96 0920	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	09/03/96 1200	<0.0005 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	08/20/96 1400	7.64 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	08/20/96 1400	25.1 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	08/20/96 1400	168 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	08/20/96 1400	1.2 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	08/20/96 1535	0.66 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	08/21/96 0900	4.33 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	08/26/96 1500	104 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	08/22/96 1030	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	08/21/96 1500	0.619 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B	-	- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		08/20/96 1400	36.16 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 8/20/96 14:00

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: Resource Recovery 4MW2 GWM

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)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		μmhos/cm	μmhos/cm
01095	Antimony			EPA 204.2	9-03-96	ND	0.300
01000	Arsenic			EPA 206.2	9-03-96	ND	0.100
01005	Barium			EPA 208.2	9-03-96	ND	0.020
01010	Beryllium			EPA210.2	9-03-96	ND	0.005
01025	Cadmium			EPA 213.2	9-03-96	ND	0.010
01030	Chromium			EPA 218.2	9-03-96	ND	0.050
01035	Cobalt			EPA 219.2	9-03-96	ND	0.010
01040	Copper			EPA 220.1	9-03-96	ND	0.010
01049	Lead			EPA 239.2	9-03-96	ND	0.050
01065	Nickel			EPA 249.1	9-03-96	ND	0.050
01145	Selenium			EPA 270.2	9-03-96	ND	0.250
01075	Silver			EPA 272.2	9-03-96	ND	0.010
01057	Thallium			EPA 279.2	9-03-96	ND	0.300
01085	Vanadium			EPA 286.2	9-03-96	ND	0.010
01090	Zinc			EPA 289.1	9-03-96	0.056	0.050

* 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	8-30-96	ND	50.0
34215	Acrylonitrile			EPA 8260A	8-30-96	ND	5.00
34235	Benzene			EPA 8260A	8-30-96	ND	5.00
N/A	Bromochloromethane			EPA 8260A	8-30-96	ND	5.00
32101	Bromodichloromethane			EPA 8260A	8-30-96	ND	5.00
32104	Bromoform			EPA 8260A	8-30-96	ND	5.00
77041	Carbon disulfide			EPA 8260A	8-30-96	ND	5.00
32102	Carbon tetrachloride			EPA 8260A	8-30-96	ND	10.0
34301	Chlorobenzene			EPA 8260A	8-30-96	ND	5.00
34311	Chloroethane			EPA 8260A	8-30-96	ND	10.0
32106	Chloroform			EPA 8260A	8-30-96	ND	5.00
32105	Dibromochloromethane			EPA 8260A	8-30-96	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	8-27-96	ND	0.0200
77651	1,2-Dibromoethane			EPA 504	8-27-96	ND	0.0200
34537	o-Dichlorobenzene			EPA 8260A	8-30-96	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	8-30-96	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	8-30-96	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	8-30-96	ND	5.00
32103	1,2-Dichloroethane			EPA 8260A	8-30-96	ND	5.00
34502	1,1-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	8-30-96	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	8-30-96	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	8-30-96	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	8-30-96	ND	5.00
78113	Ethylbenzene			EPA 8260A	8-30-96	ND	5.00
77103	2-Hexanone			EPA 8260A	8-30-96	ND	10.0
34413	Methyl bromide			EPA 8260A	8-30-96	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	8-30-96	ND	5.00
77596	Methylene bromide			EPA 8260A	8-30-96	ND	10.0
34423	Methylene chloride			EPA 8260A	8-30-96	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	8-30-96	ND	10.0
49262	Methyl iodide			EPA 8260A	8-30-96	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	8-30-96	ND	10.0
77128	Styrene			EPA 8260A	8-30-96	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	8-30-96	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	8-30-96	ND	5.00
34476	Tetrachloroethene			EPA 8260A	8-30-96	ND	5.00
78131	Toluene			EPA 8260A	8-30-96	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	8-30-96	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	8-30-96	ND	5.00
34485	Trichloroethene			EPA 8260A	8-30-96	ND	5.00
34488	Trichlorofluoromethane			EPA 8260A	8-30-96	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	8-30-96	ND	5.00
77057	Vinyl acetate			EPA 8260A	8-30-96	ND	5.00
39175	Vinyl chloride			EPA 8260A	8-30-96	ND	5.00
81551	Xylenes			EPA 8260A	8-30-96	ND	5.00

* Attach Laboratory Reports



BROWARD TESTING LABORATORIES, INC.

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



Date: 09/10/96 Report #: 7080315 Laboratory ID #: 86418

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

Date Collected: 08/20/96
Time Collected: 14:00
SOURCE: RESOURCE RECOVERY
4MW2 GWM

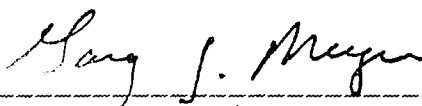
Date received at lab: 08/21/96
Collected by : C.C.

Time received at lab: 10:50

ENVIRONMENTAL LABORATORY CERTIFICATION NUMBER 86035 LABORATORY PARAMETER ANALYSIS REPORT

Analysis Performed	Method	Analysis Result (mg/l)	Anal Date
-----------------------	--------	------------------------------	--------------

PARAMETERS WERE SUBCONTRACTED TO TOXIKON LABS, SEE ATTACHED.



Gary Meyer, Lab Director

Received: 08/21/96

Results by Sample

SAMPLE ID <u>7080315/RR 4MM-2</u>		SAMPLE # <u>02</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>08/20/96 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=0.010 <u>9/3</u>	mg/L DL=0.100 <u>9/3</u>	mg/L DL=0.020 <u>9/3</u>	mg/L DL=0.005 <u>9/3</u>	mg/L DL=0.010 <u>9/3</u>	mg/L DL=0.010 <u>9/3</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=0.050 <u>9/3</u>	mg/L DL=0.010 <u>9/3</u>	mg/L DL=0.050 <u>9/3</u>	mg/L DL=0.050 <u>9/3</u>	mg/L DL=0.300 <u>9/3</u>	mg/L DL=0.250 <u>9/3</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>0.056</u>			
mg/L DL=0.300 <u>9/3</u>	mg/L DL=0.010 <u>9/3</u>	mg/L DL=0.050 <u>9/3</u>			

Received: 08/21/96

Results by Sample

SAMPLE ID 7080315/RR 4MM-2FRACTION 02ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 08/20/96 14:00:00Category LIQUID**EPA METHOD 504**

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 08/21/96

Results by Sample

SAMPLE ID 7080315/RR 4MW-2FRACTION 02ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 08/20/96 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
1,2-Dichloroethane-d4	98	86 - 118
Toluene-d8	95	88 - 110
Bromofluorobenzene	104	86 - 115

Notes and Definitions for this Report:

DATE RUN: 08/30/96ANALYST: CHINSTRUMENT: GDIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 08/21/96

Test Site ID #: 4051A16508

Report Period: 1996 / Quarter III
(year/quarter)

Well Name: 2MW-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 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: 08/20/96 @ 1235
 Test Site ID #: 4051A16513 Report Period: 1996 / Quarter III
 (year/quarter)
 Well Name: 4MN-4 Well Purged (Y/N): YES
 Classification of Groundwater: Floridan Well Type: () Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ (XXX) Compliance
 () Other
 or (MSL): 31.21

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	08/28/96 1020	3.17 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	08/28/96 0920	0.05 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	09/03/96 1200	<0.0005 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	08/20/96 1235	7.21 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	08/20/96 1235	25.5 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	08/20/96 1235	312 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	08/20/96 1235	1.8 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	08/20/96 1535	0.83 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	08/21/96 0900	6.2 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	08/26/96 1500	194 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	08/22/96 1030	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	08/21/96 1500	0.15 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B	-	- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		08/20/96 1235	31.21 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 8/20/96 12:35

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: Resource Recovery 4MW4 GWM

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)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		μmhos/cm	μmhos/cm
01095	Antimony			EPA 204.2	9-03-96	ND	0.300
01000	Arsenic			EPA 206.2	9-03-96	ND	0.10
01005	Barium			EPA 208.2	9-03-96	ND	0.010
01010	Beryllium			EPA210.2	9-03-96	ND	0.005
01025	Cadmium			EPA 213.2	9-03-96	ND	0.010
01030	Chromium			EPA 218.2	9-03-96	ND	0.010
01035	Cobalt			EPA 219.2	9-03-96	ND	0.010
01040	Copper			EPA 220.1	9-03-96	ND	0.010
01049	Lead			EPA 239.2	9-03-96	ND	0.050
01065	Nickel			EPA 249.1	9-03-96	ND	0.050
01145	Selenium			EPA 270.2	9-03-96	0.325	0.250
01075	Silver			EPA 272.2	9-03-96	ND	0.010
01057	Thallium			EPA 279.2	9-03-96	ND	0.300
01085	Vanadium			EPA 286.2	9-03-96	ND	0.010
01090	Zinc			EPA 289.1	9-03-96	0.075	0.050

* 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	8/30/96	ND	50.0
34215	Acrylonitrile			EPA 8260A	8/30/96	ND	5.00
34235	Benzene			EPA 8260A	8/30/96	ND	5.00
N/A	Bromochloromethane			EPA 8260A	8/30/96	ND	5.00
32101	Bromodichloromethane			EPA 8260A	8/30/96	ND	5.00
32104	Bromoform			EPA 8260A	8/30/96	ND	5.00
77041	Carbon disulfide			EPA 8260A	8/30/96	ND	5.00
32102	Carbon tetrachloride			EPA 8260A	8/30/96	ND	10.0
34301	Chlorobenzene			EPA 8260A	8/30/96	ND	5.00
34311	Chloroethane			EPA 8260A	8/30/96	ND	10.0
32106	Chloroform			EPA 8260A	8/30/96	ND	5.00
32105	Dibromochloromethane			EPA 8260A	8/30/96	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	8/27/96	ND	0.0200
77651	1,2-Dibromoethane			EPA 504	8/27/96	ND	0.0200
34537	o-Dichlorobenzene			EPA 8260A	8/30/96	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	8/30/96	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	8/30/96	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	8/30/96	ND	5.00
32103	1,2-Dichloroethane			EPA 8260A	8/30/96	ND	5.00
34502	1,1-Dichloroethene			EPA 8260A	8/30/96	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	8/30/96	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	8/30/96	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	8/30/96	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	8/30/96	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	8/30/96	ND	5.00
78113	Ethylbenzene			EPA 8260A	8/30/96	ND	5.00
77103	2-Hexanone			EPA 8260A	8/30/96	ND	10.0
34413	Methyl bromide			EPA 8260A	8/30/96	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	8/30/96	ND	5.00
77596	Methylene bromide			EPA 8260A	8/30/96	ND	10.0
34423	Methylene chloride			EPA 8260A	8/30/96	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	8/30/96	ND	10.0
49262	Methyl iodide			EPA 8260A	8/30/96	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	8/30/96	ND	10.0
77128	Styrene			EPA 8260A	8/30/96	ND	5.00
71752	1,1,1,2-Tetrachloroethane			EPA 8260A	8/30/96	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	8/30/96	ND	5.00
34476	Tetrachloroethene			EPA 8260A	8/30/96	ND	5.00
78131	Toluene			EPA 8260A	8/30/96	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	8/30/96	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	8/30/96	ND	5.00
34485	Trichloroethene			EPA 8260A	8/30/96	ND	5.00
34488	Trichlorofluoromethane			EPA 8260A	8/30/96	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	8/30/96	ND	5.00
77057	Vinyl acetate			EPA 8260A	8/30/96	ND	5.00
39175	Vinyl chloride			EPA 8260A	8/30/96	ND	5.00
81551	Xylenes			EPA 8260A	8/30/96	ND	5.00

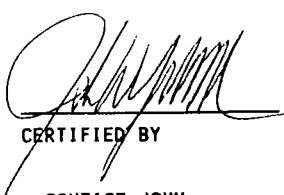
* Attach Laboratory Reports

Received: 08/21/96

09/25/96 12:56:54

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

PREPARED TOXIKON WEST PALM BEACH
BY 1860 OLD OKEECHOBEE RD. #401
WEST PALM BEACH, FL 33409
HRS #E86278,86396 QA# 910150G
ATTN JOHN YAREMCHUK
PHONE (407) 478-4803 FAX 478-0214

CERTIFIED BY CONTACT JOHN

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

WORK ID 7080314-15
TAKEN 08/20/96
TRANS COURIER
TYPE LIQUID
P.O. #
INV. # 4215

Duplicate of report of 09/04/96.

Previously Reported on 09/04/96.

First Reported on 09/03/96.

SAMPLE IDENTIFICATION

01 7080314/RR 4MW-4
02 7080315/RR 4MW-2
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



BROWARD TESTING LABORATORY, INC.

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



Date: 09/10/96 Report #: 7080314 Laboratory ID #: 86418

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

Date Collected: 08/20/96
Time Collected: 12:35
SOURCE: RESOURCE RECOVERY
4MW4 GWM

Date received at lab: 08/21/96

Time received at lab: 10:50

ENVIRONMENTAL LABORATORY CERTIFICATION NUMBER 86035 LABORATORY PARAMETER ANALYSIS REPORT

Analysis Performed	Method	Analysis Result (mg/l)	Anal Date
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PARAMETERS WERE SUBCONTRACTED TO TOXIKON LABS, SEE ATTACHED.

Gary Meyer, Lab Director

Received: 08/21/96

Results by Sample

SAMPLE ID <u>7080314/RR 4MW-4</u>			SAMPLE # <u>01</u> FRACTIONS: <u>A</u>		
Date & Time Collected <u>08/20/96 12:35:00</u>			Category <u>LIQUID</u>		
AG	ND	AS	ND	BA	ND
mg/L DL=0.010		mg/L DL=0.10		mg/L DL=0.010	
9/3		9/3		9/3	
BE	ND	CD	ND	CO	ND
mg/L DL=0.005		mg/L DL=0.010		mg/L DL=0.010	
9/3		9/3		9/3	
CR	ND	CU	ND	NI	ND
mg/L DL=0.010		mg/L DL=0.010		mg/L DL=0.050	
9/3		9/3		9/3	
PB	ND	SB	ND	SE	0.325
mg/L DL=0.050		mg/L DL=0.300		mg/L DL=0.250	
9/3		9/3		9/3	
TL	ND	V	ND	ZN	0.075
mg/L DL=0.300		mg/L DL=0.010		mg/L DL=0.050	
9/3		9/3		9/3	

Received: 08/21/96

Results by Sample

SAMPLE ID 7080314/RR 4M-4 FRACTION 01A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected 08/20/96 12:35:00 Category LIQUID

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 08/21/96

Results by Sample

SAMPLE ID 7080314/RR 4MU-4FRACTION 01ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 08/20/96 12:35:00Category 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
1,2-Dichloroethane-d4	104	86 - 118
Toluene-d8	95	88 - 110
Bromofluorobenzene	99	86 - 115

Notes and Definitions for this Report:

DATE RUN: 08/30/96ANALYST: CHINSTRUMENT: GDIL. FACTOR: 1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 08/21/96

Test Site ID #: 4051A16509 Report Period: 1996 1 Quarter III
(year/quarter)

Well Name: 2MW-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: 08/21/96 @ 1225
 Test Site ID #: 4051A16514 Report Period: 1996 / Quarter III
 (year/quarter)
 Well Name: 4MM-5 Well Purged (Y/N): YES
 Classification of Groundwater: Floridan Well Type: () Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ (XXX) Compliance
 () Other
 or (MSL): 32.21

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	08/28/96 1020	5.32 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	08/28/96 0920	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	09/03/96 1200	<0.0005 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	08/21/96 1225	7.73 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	08/21/96 1225	24.7 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	08/21/96 1225	331 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	08/21/95 1225	1.7 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	08/21/96 1440	0.66 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	08/22/96 0900	43.1 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	08/26/96 1500	247 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	08/22/96 1030	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	08/21/96 1500	0.345 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B	-	- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		08/21/96 1225	32.21 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 8/21/96 12:25

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: Resource Recovery 4MW5

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)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		μmhos/cm	μmhos/cm
01095	Antimony			EPA 204.2	8-28-96	ND	0.150
01000	Arsenic			EPA 206.2	8-28-96	ND	0.100
01005	Barium			EPA 208.2	8-28-96	ND	0.010
01010	Beryllium			EPA210.2	8-28-96	ND	0.004
01025	Cadmium			EPA 213.2	8-28-96	ND	0.010
01030	Chromium			EPA 218.2	8-28-96	ND	0.010
01035	Cobalt			EPA 219.2	8-28-96	ND	0.010
01040	Copper			EPA 220.1	8-28-96	ND	0.010
01049	Lead			EPA 239.2	8-28-96	ND	0.050
01065	Nickel			EPA 249.1	8-28-96	ND	0.020
01145	Selenium			EPA 270.2	8-28-96	ND	0.250
01075	Silver			EPA 272.2	8-28-96	ND	0.010
01057	Thallium			EPA 279.2	8-28-96	ND	0.300
01085	Vanadium			EPA 286.2	8-28-96	ND	0.010
01090	Zinc			EPA 289.1	8-28-96	ND	0.010

* 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	9-03-96	ND	50.0
34215	Acrylonitrile			EPA 8260A	9-03-96	ND	5.00
34235	Benzene			EPA 8260A	9-03-96	ND	5.00
N/A	Bromochloromethane			EPA 8260A	9-03-96	ND	5.00
32101	Bromodichloromethane			EPA 8260A	9-03-96	ND	5.00
32104	Bromoform			EPA 8260A	9-03-96	ND	5.00
77041	Carbon disulfide			EPA 8260A	9-03-96	ND	5.00
32102	Carbon tetrachloride			EPA 8260A	9-03-96	ND	10.0
34301	Chlorobenzene			EPA 8260A	9-03-96	ND	5.00
34311	Chloroethane			EPA 8260A	9-03-96	ND	5.00
32106	Chloroform			EPA 8260A	9-03-96	ND	5.00
32105	Dibromochloromethane			EPA 8260A	9-03-96	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	8-27-96	ND	0.0200
77651	1,2-Dibromoethane			EPA 504	8-27-96	ND	0.0200
34537	o-Dichlorobenzene			EPA 8260A	9-03-96	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	9-03-96	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	9-03-96	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	9-03-96	ND	5.00
32103	1,2-Dichloroethane			EPA 8260A	9-03-96	ND	5.00
34502	1,1-Dichloroethene			EPA 8260A	9-03-96	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	9-03-96	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	9-03-96	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	9-03-96	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	9-03-96	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	9-03-96	ND	5.00
78113	Ethylbenzene			EPA 8260A	9-03-96	ND	5.00
77103	2-Hexanone			EPA 8260A	9-03-96	ND	10.0
34413	Methyl bromide			EPA 8260A	9-03-96	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	9-03-96	ND	5.00
77596	Methylene bromide			EPA 8260A	9-03-96	ND	10.0
34423	Methylene chloride			EPA 8260A	9-03-96	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	9-03-96	ND	10.0
49262	Methyl iodide			EPA 8260A	9-03-96	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	9-03-96	ND	10.0
77128	Styrene			EPA 8260A	9-03-96	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	9-03-96	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	9-03-96	ND	5.00
34476	Tetrachloroethene			EPA 8260A	9-03-96	ND	5.00
78131	Toluene			EPA 8260A	9-03-96	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	9-03-96	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	9-03-96	ND	5.00
34485	Trichloroethene			EPA 8260A	9-03-96	ND	5.00
34488	Trichlorofluoromethane			EPA 8260A	9-03-96	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	9-03-96	ND	5.00
77057	Vinyl acetate			EPA 8260A	9-03-96	ND	5.00
39175	Vinyl chloride			EPA 8260A	9-03-96	ND	5.00
81551	Xylenes			EPA 8260A	9-03-96	ND	5.00

* Attach Laboratory Reports



BROWARD TESTING LABORATORY, INC.

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



Date: 09/06/96 Report #: 7080337 Laboratory ID #: 86418

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

Date Collected: 08/21/96
Time Collected: 12:25
SOURCE: RESOURCE RECOVERY
4 MW 5

Date received at lab: 08/22/96
Collected by : C.C.

Time received at lab: 10:35

ENVIRONMENTAL LABORATORY CERTIFICATION NUMBER 86035 LABORATORY PARAMETER ANALYSIS REPORT

Analysis Performed	Method	Analysis Result (mg/l)	Anal Date
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PARAMETERS WERE SUBCONTRACTED TO TOXIKON LABS, SEE ATTACHED.

Gary Meyer, Lab Director

Received: 08/22/96

Results by Sample

SAMPLE ID <u>7080337</u>		SAMPLE # <u>07</u> FRACTIONS: <u>A</u>	
		Date & Time Collected <u>08/21/96 12:25:00</u> Category <u>LIQUID</u>	
AG	ND	AS	ND
mg/L DL=0.010	8/28	mg/L DL=0.100	8/28
BA	ND	BE	ND
mg/L DL=0.010	8/28	mg/L DL=0.004	8/28
CD	ND	CO	ND
mg/L DL=0.010	8/28	mg/L DL=0.010	8/28
CR	ND	CU	ND
mg/L DL=0.010	8/28	mg/L DL=0.010	8/28
NI	ND	PB	ND
mg/L DL=0.020	8/28	mg/L DL=0.050	8/28
SB	ND	SE	ND
mg/L DL=0.150	8/28	mg/L DL=0.250	8/28
TL	ND	V	ND
mg/L DL=0.300	8/28	mg/L DL=0.010	8/28
ZN	ND		
mg/L DL=0.010	8/28		

Received: 08/22/96

Results by Sample

SAMPLE ID 7080337FRACTION 07ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 08/21/96 12:25:00Category LIQUID**EPA METHOD 504**

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 08/22/96

Results by Sample

SAMPLE ID 7080337FRACTION 07ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 08/21/96 12:25:00Category 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	5.00	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
1,2-Dichloroethane-d4	95	86 - 118
Toluene-d8	102	88 - 110
Bromofluorobenzene	104	86 - 115

Notes and Definitions for this Report:

DATE RUN: 09/03/96ANALYST: CHINSTRUMENT: GDIL. FACTOR: 1

COMMENTS: _____

UNITS: UG/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 08/21/96

Test Site ID #: 4051A16510 Report Period: 1996 / Quarter III
(year/quarter)

Well Name: 2MM-6 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: 08/21/96 @ 1110

Test Site ID #: 4051A16515 Report Period: 1996 / Quarter III
(year/quarter)

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

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

Groundwater Elevation (NGVD): _____
or (MSL): 34.28

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	08/28/96 1020	2.99 mg/L	0.01 mg/L
001045	Iron	"	"	EPA 236.1	08/28/96 0920	0.04 mg/L	0.02 mg/L
071900	Mercury	"	"	EPA 245.1	09/03/96 1200	<0.0005 mg/L	0.0005 mg/L
000400	pH-Field	"	"	EPA 150.1	08/21/96 1110	8.16 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	08/21/96 1110	25.5 °C	0°C
000095	Specific Cond. (Field)	"	"	SM 2510B	08/21/96 1110	161 µmhos/cm	0.00 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	08/21/96 1110	2.7 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	08/21/96 1440	0.4 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500C1-B	08/22/96 0900	5.1 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	08/26/96 1500	101 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	08/22/96 1030	<0.15 mg/L	0.15 mg/L
000620	Nitrate	"	"	EPA 353.2	08/21/96 1500	<0.15 mg/L	0.15 mg/L
031504	Total Coliform	"	"	SM 9222B	-	- MF/100 ml	1 MF/100 ml
072020	Water Level (MSL)	"	"		08/21/96 1110	34.28 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 8/21/96 11:10

Test Site ID #: _____

Report Period: _____
(Year/Quarter)WELL NAME: Resource Recovery 4MW6

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)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		μ mhos/cm	μ mhos/cm
01095	Antimony			EPA 204.2	8-28-96	ND	0.150
01000	Arsenic			EPA 206.2	8-28-96	ND	0.100
01005	Barium			EPA 208.2	8-28-96	ND	0.010
01010	Beryllium			EPA210.2	8-28-96	ND	0.004
01025	Cadmium			EPA 213.2	8-28-96	ND	0.010
01030	Chromium			EPA 218.2	8-28-96	ND	0.010
01035	Cobalt			EPA 219.2	8-28-96	ND	0.010
01040	Copper			EPA 220.1	8-28-96	ND	0.010
01049	Lead			EPA 239.2	8-28-96	ND	0.050
01065	Nickel			EPA 249.1	8-28-96	ND	0.020
01145	Selenium			EPA 270.2	8-28-96	ND	0.250
01075	Silver			EPA 272.2	8-28-96	ND	0.010
01057	Thallium			EPA 279.2	8-28-96	ND	0.300
01085	Vanadium			EPA 286.2	8-28-96	ND	0.010
01090	Zinc			EPA 289.1	8-28-96	ND	0.010

* 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	9-03-96	ND	50.0
34215	Acrylonitrile			EPA 8260A	9-03-96	ND	5.00
34235	Benzene			EPA 8260A	9-03-96	ND	5.00
N/A	Bromochloromethane			EPA 8260A	9-03-96	ND	5.00
32101	Bromodichloromethane			EPA 8260A	9-03-96	ND	5.00
32104	Bromoform			EPA 8260A	9-03-96	ND	5.00
77041	Carbon disulfide			EPA 8260A	9-03-96	ND	5.00
32102	Carbon tetrachloride			EPA 8260A	9-03-96	ND	10.0
34301	Chlorobenzene			EPA 8260A	9-03-96	ND	5.00
34311	Chloroethane			EPA 8260A	9-03-96	ND	5.00
32106	Chloroform			EPA 8260A	9-03-96	ND	5.00
32105	Dibromochloromethane			EPA 8260A	9-03-96	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	8-27-96	ND	0.0200
77651	1,2-Dibromoethane			EPA 504	8-27-96	ND	0.0200
34537	o-Dichlorobenzene			EPA 8260A	9-03-96	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	9-03-96	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	9-03-96	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	9-03-96	ND	5.00
32103	1,2-Dichloroethane			EPA 8260A	9-03-96	ND	5.00
34502	1,1-Dichloroethene			EPA 8260A	9-03-96	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	9-03-96	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	9-03-96	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	9-03-96	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	9-03-96	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	9-03-96	ND	5.00
78113	Ethylbenzene			EPA 8260A	9-03-96	ND	5.00
77103	2-Hexanone			EPA 8260A	9-03-96	ND	10.0
34413	Methyl bromide			EPA 8260A	9-03-96	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	9-03-96	ND	5.00
77596	Methylene bromide			EPA 8260A	9-03-96	ND	10.0
34423	Methylene chloride			EPA 8260A	9-03-96	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	9-03-96	ND	10.0
49262	Methyl iodide			EPA 8260A	9-03-96	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	9-03-96	ND	10.0
77128	Styrene			EPA 8260A	9-03-96	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	9-03-96	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	9-03-96	ND	5.00
34476	Tetrachloroethene			EPA 8260A	9-03-96	ND	5.00
78131	Toluene			EPA 8260A	9-03-96	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	9-03-96	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	9-03-96	ND	5.00
34485	Trichloroethene			EPA 8260A	9-03-96	ND	5.00
34488	Trichlorofluoromethane			EPA 8260A	9-03-96	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	9-03-96	ND	5.00
77057	Vinyl acetate			EPA 8260A	9-03-96	ND	5.00
39175	Vinyl chloride			EPA 8260A	9-03-96	ND	5.00
81551	Xylenes			EPA 8260A	9-03-96	ND	5.00

* Attach Laboratory Reports



BROWARD TESTING LABORATORY, INC.

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



Date: 09/06/96 Report #: 7080336 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES

ATTN: CANDY MULHERN

8864 GOVERNMENT DR.

NEW PORT RICHEY, FL 34654-

Date Collected: 08/21/96

Time Collected: 11:10

SOURCE: RESOURCE RECOVERY

4 MW 6

Date received at lab: 08/22/96

Time received at lab: 10:35

Collected by : C.C.

ENVIRONMENTAL LABORATORY CERTIFICATION NUMBER 86035 LABORATORY PARAMETER ANALYSIS REPORT

Analysis Performed	Method	Analysis Result (mg/l)	Anal Date
-----------------------	--------	------------------------------	--------------

PARAMETERS WERE SUBCONTRACTED TO TOXIKON LABS, SEE ATTACHED.

Gary Meyer, Lab Director

Received: 08/22/96

Results by Sample

SAMPLE ID <u>7080336</u>		SAMPLE # <u>06</u> FRACTIONS: <u>A</u>	
		Date & Time Collected <u>08/21/96 11:10:00</u> Category <u>LIQUID</u>	
AG	ND	AS	ND
mg/L DL=0.010	8/28	mg/L DL=0.100	8/28
BA	ND	BE	ND
mg/L DL=0.010	8/28	mg/L DL=0.004	8/28
CD	ND	CO	ND
mg/L DL=0.010	8/28	mg/L DL=0.010	8/28
CR	ND	CJ	ND
mg/L DL=0.010	8/28	mg/L DL=0.010	8/28
NI	ND	PB	ND
mg/L DL=0.020	8/28	mg/L DL=0.050	8/28
SB	ND	SE	ND
mg/L DL=0.150	8/28	mg/L DL=0.250	8/28
TL	ND	V	ND
mg/L DL=0.300	8/28	mg/L DL=0.010	8/28
ZN	ND		
mg/L DL=0.010	8/28		

Received: 08/22/96

Results by Sample

SAMPLE ID 7080336FRACTION 06ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 08/21/96 11:10:00Category LIQUID**EPA METHOD 504**

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 08/22/96

Results by Sample

SAMPLE ID 7080336FRACTION 06ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 08/21/96 11:10:00Category 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	5.00	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
1,2-Dichloroethane-d4	87	86 - 118
Toluene-d8	102	88 - 110
Bromofluorobenzene	104	86 - 115

Notes and Definitions for this Report:

DATE RUN: 09/03/96ANALYST: CHINSTRUMENT: GDIL. FACTOR: 1

COMMENTS: _____

UNITS: UG/L

ND = not detected at detection limit



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

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

DATE: 09/16/96
DHRS # 44237, E44123

(Page 1 of 1)

LAB No.	SAMPLE		SAMPLER	DELIVERY TO LAB	
	DATE	TIME		DATE	TIME MATRIX
49534	08/21/96	1400	CHRIS CHILDRESS	08/21/96	1425 WA
49535	08/21/96	1225	CHRIS CHILDRESS	08/21/96	1425 WA
49536	08/21/96	1110	CHRIS CHILDRESS	08/21/96	1425 WA

CLIENT STATION ID:	4MW1	4MW5	4MW6
LAB #:	49534	49535	49536

WATER LEVEL	FEET	36.94	32.21	34.28
FIELD PH	STD. UNITS	6.93	7.73	8.16
FIELD TEMPERATURE	DEGREES C	25.8	24.7	25.5
FIELD CONDUCTIVITY	umhos/cm	1447	331	161
DISSOLVED OXYGEN, FIELD	mg/L	1.1	1.7	2.7
CHLORIDE	mg/L	368	43.1	5.1
COLOR	CPU	5	10	7
AMMONIA NITROGEN	mg/L	<0.15	<0.15	<0.15
NITRATE	mg/L	1.04	0.345	<0.15
TOTAL DISS.SOLIDS	mg/L	1340	247	101
TURBIDITY	NTU	0.06	0.66	0.4
IRON, TOTAL	mg/L	0.04	0.04	0.04
MERCURY, TOTAL	mg/L	<0.0005	<0.0005	<0.0005
SODIUM, TOTAL	mg/L	78.4	5.32	2.99

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 09/16/96

QA/QC for SAMPLE Nos: 49534, 49535, 49536,

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	49515	80.4	80.1	0.30	0.37	-----	STD	20.0	20.2	101.20
EPA 325.3	49531	1360	1410	50	3.61	-----	-----	-----	-----	-----
mg/L	49536	5.1	4.7	0.40	8.16	95.90	-----	-----	-----	-----
COLOR	49533	300	320	20	6.45	-----	-----	-----	-----	-----
EPA 110.2	49536	7	8	1.0	13.33	-----	-----	-----	-----	-----
CPU										
AMMONIA NITROGEN	49488	<0.15	<0.15	0.075	0.00	110.88	STANDARD	8.00	7.93	99.10
SM4500NH3E										
mg/L										
NITRATE	49488	17.0	17.1	0.10	0.59	-----	STANDARD	4.00	3.81	95.25
EPA 353.2	49521	7.56	7.40	0.16	2.14	-----	-----	-----	-----	-----
mg/L	49524	-----	-----	-----	-----	88.25	-----	-----	-----	-----
	49530	<0.15	<0.15	0.075	0.00	-----	-----	-----	-----	-----
	49531	-----	-----	-----	-----	94.25	-----	-----	-----	-----
TOTAL DISS.SOLIDS	-----	-----	-----	-----	-----	-----	STD	293	297	101.30
EPA160.1										
mg/L										

TURBIDITY
EPA180.1
NTU

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS



PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 09/16/96

QA/QC for SAMPLE Nos: 49534, 49535, 49536,

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 236.2 mg/L	49488	0.03	0.04	0.010	28.57	101.50	-----	-----	-----	-----
MERCURY, TOTAL 245.1 mg/L	49488	-----	-----	-----	-----	91.40	-----	-----	-----	-----
	49688	1.72	1.61	0.11	6.61	-----	-----	-----	-----	-----
SODIUM, TOTAL 273.1 mg/L	49488	3.34	3.35	0.010	0.30	101.20	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS		ANALYST
		DATE	TIME	
CL-	EPA 325.3	08/22/96	0900	JK
COLOR	EPA 110.2	08/22/96	1300	JK
COND, FIELD	SM2510B	08/21/96	1110	CHR
DO, FIELD	SM4500-O G	08/21/96	1110	CHR
FE/T/AA	236.2	08/28/96	0920	TER
FIELD TEMP	SM2550B	08/21/96	1110	CHR
H2O LEVEL	FIELD	08/21/96	1110	CHR
HG/T/CVAA	245.1	09/03/96	1200	TER
NA/T/FLAA	273.1	08/28/96	1020	TER
NH3	SM4500NH3E	08/22/96	1030	CEM
NO3	EPA 353.2	08/21/96	1500	CEM
PH, FIELD	EPA 150.1	08/21/96	1110	CHR
TDS	EPA160.1	08/26/96	1500	JK
TURB	EPA180.1	08/21/96	1440	CSC



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

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

PROJECT NAME: RR GWM QIII '96
DATE: 09/12/96
DHRS # 44237, E44123

SAMPLE NUMBER- 49487 SAMPLE ID- 4MW2
DATE SAMPLED- 08/20/96 LOCATION-
DATE RECEIVED- 08/20/96 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1545 DELIVERED BY- CHRIS CHILDRESS

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

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS	
WATER LEVEL	FIELD		08/20/96	1400	CHR	36.16	FEET	
FIELD PH	EPA 150.1		08/20/96	1400	CHR	7.64	STD. UNITS	
FIELD TEMPERATURE	SM2550B		08/20/96	1400	CHR	25.1	DEGREES C	
FIELD CONDUCTIVITY	SM2510B		08/20/96	1400	CHR	168	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G		08/20/96	1400	CHR	1.2	mg/L	
CHLORIDE	EPA 325.3		08/21/96	0900	JK	4.3	mg/L	
COLOR	EPA 110.2		08/21/96	1300	JK	10	CPU	
AMMONIA NITROGEN	SM4500NH3E		08/22/96	1030	CEM	<0.15	mg/L	
NITRATE	EPA 353.2		08/21/96	1500	CEM	0.619	mg/L	
TOTAL DISS. SOLIDS	EPA160.1		08/26/96	1500	JK	104	mg/L	
TURBIDITY	EPA180.1		08/20/96	1535	CSC	0.66	NTU	
IRON, TOTAL	236.2	08/21/96	TER	08/28/96	0920	TER	0.04	mg/L
MERCURY, TOTAL	245.1			09/03/96	1200	TER	<0.0005	mg/L
SODIUM, TOTAL	273.1	08/21/96	TER	08/28/96	1020	TER	2.75	mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

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

PROJECT NAME: RR GWM QIII '96
DATE: 09/12/96
DHRS # 44237, E44123

SAMPLE NUMBER- 49488 SAMPLE ID- 2MW2
DATE SAMPLED- 08/20/96 LOCATION-
DATE RECEIVED- 08/20/96 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1545 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1430
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS
CHLORIDE	EPA 325.3		08/21/96	0900	JK	4.8	mg/L
COLOR	EPA 110.2		08/21/96	1300	JK	7	CPU
AMMONIA NITROGEN	SM4500NH3E		08/22/96	1030	CEM	<0.15	mg/L
NITRATE	EPA 353.2		08/21/96	1500	CEM	17.0	mg/L
TOTAL DISS.SOLIDS	EPA160.1		08/26/96	1500	JK	189	mg/L
TURBIDITY	EPA180.1		08/20/96	1535	CSC	0.69	NTU
IRON, TOTAL	236.2	08/21/96	TER 08/28/96	0920	TER	0.04	mg/L
MERCURY, TOTAL	245.1		09/03/96	1200	TER	0.001	mg/L
SODIUM, TOTAL	273.1	08/21/96	TER 08/28/96	1020	TER	3.34	mg/L

LABORATORY DIRECTOR

A handwritten signature in black ink, appearing to read "Lidia E. Hulla", is written over a horizontal line.



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

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

PROJECT NAME: RR GWM QIII '96
DATE: 09/12/96
DHRS # 44237, E44123

SAMPLE NUMBER- 49489 SAMPLE ID- 4MW4
DATE SAMPLED- 08/20/96 LOCATION-
DATE RECEIVED- 08/20/96 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1545 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1235
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP	ANALYSIS	DATE	BY	DATE	TIME	BY	RESULT	UNITS
WATER LEVEL	FIELD					08/20/96	1235	CHR	31.21	FEET
FIELD PH	EPA 150.1					08/20/96	1235	CHR	7.21	STD. UNITS
FIELD TEMPERATURE	SM2550B					08/20/96	1235	CHR	25.5	DEGREES C
FIELD CONDUCTIVITY	SM2510B					08/20/96	1235	CHR	312	umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G					08/20/96	1235	CHR	1.8	mg/L
CHLORIDE	EPA 325.3					08/21/96	0900	JK	6.2	mg/L
COLOR	EPA 110.2					08/21/96	1300	JK	5	CPU
AMMONIA NITROGEN	SM4500NH3E					08/22/96	1030	CEM	<0.15	mg/L
NITRATE	EPA 353.2					08/21/96	1500	CEM	0.15	mg/L
TOTAL DISS.SOLIDS	EPA160.1					08/26/96	1500	JK	194	mg/L
TURBIDITY	EPA180.1					08/20/96	1535	CSC	0.83	NTU
IRON, TOTAL	236.2	08/21/96	TER	08/28/96	0920	TER			0.05	mg/L
MERCURY, TOTAL	245.1			09/03/96	1200	TER			<0.0005	mg/L
SODIUM, TOTAL	273.1	08/21/96	TER	08/28/96	1020	TER			3.17	mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 09/12/96

QA/QC for SAMPLE Nos: 49487, 49488, 49489,

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	49515	80.4	80.1	0.30	0.37	-----	STD	20.0	20.2	101.20
EPA 325.3	49531	1360	1410	50	3.61	-----	-----	-----	-----	-----
mg/L	49536	5.1	4.7	0.40	8.16	95.90	-----	-----	-----	-----
COLOR	49489	5	5	0	0.00	-----	-----	-----	-----	-----
EPA 110.2										
CPU										
AMMONIA NITROGEN	49488	<0.15	<0.15	0.075	0.00	110.88	STANDARD	8.00	7.93	99.10
SM4500NH3E										
mg/L										
NITRATE	49488	17.0	17.1	0.10	0.59	-----	STANDARD	4.00	3.81	95.25
EPA 353.2	49521	7.56	7.40	0.16	2.14	-----	-----	-----	-----	-----
mg/L	49524	-----	-----	-----	-----	88.25	-----	-----	-----	-----
	49530	<0.15	<0.15	0.075	0.00	-----	-----	-----	-----	-----
	49531	-----	-----	-----	-----	94.25	-----	-----	-----	-----
TOTAL DISS.SOLIDS	-----	-----	-----	-----	-----	-----	STD	293	297	101.30
EPA160.1										
mg/L										

TURBIDITY
EPA180.1
NTU

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS



PASCO COUNTY, FLORIDA

QC REPORT FOR RESOURCE RECOVERY 09/12/96

QA/QC for SAMPLE Nos: 49487, 49488, 49489,
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 236.2 mg/L	49488	0.03	0.04	0.010	28.57	101.50	-----	-----	-----	-----
MERCURY, TOTAL 245.1 mg/L	49488	-----	-----	-----	-----	91.40	-----	-----	-----	-----
	49688	1.72	1.61	0.11	6.61	-----	-----	-----	-----	-----
SODIUM, TOTAL 273.1 mg/L	49488	3.34	3.35	0.010	0.30	101.20	-----	-----	-----	-----



QA/QC for SAMPLE Nos: 49487, 49488, 49489,
Page 1

TURBIDITY NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS
EPA180.1
NTU



QA/QC for SAMPLE Nos: 49487, 49488, 49489,
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 236.2 mg/L	49488	0.03	0.04	0.010	28.57	101.50	-----	-----	-----	-----
MERCURY, TOTAL 245.1 mg/L	49488	-----	-----	-----	-----	91.40	-----	-----	-----	-----
	49688	1.72	1.61	0.11	6.61	-----	-----	-----	-----	-----
SODIUM, TOTAL 273.1 mg/L	49488	3.34	3.35	0.010	0.30	101.20	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

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

PROJECT NAME: RR GWM QIII '96
DATE: 08/30/96
DHRS # 44237, E44123

(Page 1 of 1)

SAMPLE				DELIVERY TO LAB	
LAB No.	DATE	TIME	SAMPLER	DATE	TIME MATRIX
49605	08/23/96	1220	CHRIS CHILDRESS	08/23/96	1400 WW

CLIENT STATION ID: 4MW1 RESAMPLE
LAB #: 49605

WATER LEVEL	FEET	36.94
FIELD PH	STD. UNITS	6.36
FIELD TEMPERATURE	DEGREES C	24.4
FIELD CONDUCTIVITY	umhos/cm	1458
DISSOLVED OXYGEN, FIELD	mg/L	1.1
CHLORIDE	mg/L	368
TOTAL DISS.SOLIDS	mg/L	1240
SODIUM, TOTAL	mg/L	74.6

LABORATORY DIRECTOR

A handwritten signature in black ink, appearing to read "L. E. Mulla", is written over a horizontal line.



QA/QC for SAMPLE Nos: 49605,
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	49577	-----	-----	-----	-----	98.20	QC#3417	246	245	99.60
EPA 325.3 mg/L	49605	381	368	13	3.47	-----	-----	-----	-----	-----
	49607	48.0	48.2	0.20	0.42	-----	-----	-----	-----	-----
	49646	349	352	3.0	0.86	-----	-----	-----	-----	-----
TOTAL DISS.SOLIDS EPA160.1 mg/L	49603	1130	1110	20	1.79	-----	STD	293	300	102.30
SODIUM,TOTAL 273.1 mg/L	49606	12.6	11.6	1.0	8.26	99.00	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS		ANALYST
		DATE	TIME	
CL-	EPA 325.3	08/27/96	1000	JK
COND, FIELD	SM2510B	08/23/96	1220	CHR
DO, FIELD	SM4500-O G	08/23/96	1220	CHR
FIELD TEMP	SM2550B	08/23/96	1220	CHR
H2O LEVEL	FIELD	08/23/96	1220	CHR
NA/T/FLAA	273.1	08/28/96	1030	TER
PH, FIELD	EPA 150.1	08/23/96	1220	CHR
TDS	EPA160.1	08/26/96	1500	JK

Received: 08/21/96

Results by Sample

SAMPLE ID <u>METHOD BLANK</u>		SAMPLE # <u>02</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>not specified</u>				Category <u>QC</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=0.010	mg/L DL=0.100	mg/L DL=0.020	mg/L DL=0.005	mg/L DL=0.010	mg/L DL=0.010
CR <u>ND</u>	CJ <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.050	mg/L DL=0.010	mg/L DL=0.050	mg/L DL=0.050	mg/L DL=0.300	mg/L DL=0.250
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>			
mg/L DL=0.300	mg/L DL=0.010	mg/L DL=0.050			

7080329

Received: 08/21/96

Results by Sample

SAMPLE ID METHOD BLANK FRACTION 02A 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>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

7080329

Received: 08/21/96

Results by Sample

SAMPLE ID		MEAN % RECOVERY		SAMPLE # 03		FRACTIONS: A	
				Date & Time Collected		not specified	
						Category	
AG		102		AS		91	
		%		BA		93	
				BE		92	
				CD		93	
				CO		94	
						%	%
CR		93		CU		94	
		%		NI		91	
				PB		92	
				SB		92	
				SE		98	
						%	%
TL		95		V		95	
		%		ZN		97	
						%	%

7080329

Received: 08/21/96

Results by Sample

SAMPLE ID MEAN % RECOVERY 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>98 %</u>	<u>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>97 %</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/09/96

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

7080329

Received: 08/21/96

Results by Sample

SAMPLE ID <u>RPD</u>		SAMPLE # <u>04</u>		FRACTIONS: <u>A</u>		Date & Time Collected <u>not specified</u>		Category <u>QC</u>			
AG	<u>0.98</u>	AS	<u>4.4</u>	BA	<u>7.5</u>	BE	<u>7.6</u>	CD	<u>6.4</u>	CO	<u>6.3</u>
	%		%		%		%		%		%
CR	<u>6.4</u>	CU	<u>7.4</u>	NI	<u>5.5</u>	PB	<u>4.3</u>	SB	<u>9.8</u>	SE	<u>0</u>
	%		%		%		%		%		%
TL	<u>1.0</u>	V	<u>6.3</u>	ZN	<u>7.2</u>						
	%		%		%						

7080329

Received: 08/21/96

Results by Sample

SAMPLE ID RPD 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>1.0 %</u>	<u>0.0200</u>	106-93-4
	1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>2.1 %</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/09/96

INSTRUMENT..... HP-2UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

7080329

Received: 08/21/96

Test Methodology

TEST CODE 504 NAME EDB AND DBCP BY GC

EPA Method 504: 1,2-Dibromoethane (EDB)
and 1,2-Dibromo-3-Chloro-Propane (DBPC)
in Water by Microextraction and Gas
Chromatography.

Re: Method for the Determination of
Organic Compounds in Drinking Water.
EPA-600/4-88/039, December 1988

TEST CODE 8260A NAME PURGEABLE ORGANICS VOA

Method not available.

TEST CODE MEX TW NAME METALS, TOTAL EXT., WATER

REFERENCE:

EPA METHOD 3005. Acid Digestion of Waters for Total Recoverable or
Dissolved Metals for Analysis by Flame Atomic Absorption Spectroscopy or
Inductively Coupled Plasma Spectroscopy. Test Methods for Evaluating
Physical/Chemical Methods. SW 846, 3rd Edition.

TEST CODE PB NAME LEAD

STORET CODE: 900212

EPA METHOD 239.2

7080329

Received: 08/21/96

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=0.010		mg/L		DL=0.100		mg/L		DL=0.020		mg/L		DL=0.005		mg/L		DL=0.010		mg/L		DL=0.010	
CR		ND		CU		ND		NI		ND		PB		ND		SB		ND		SE		ND	
mg/L		DL=0.050		mg/L		DL=0.010		mg/L		DL=0.050		mg/L		DL=0.050		mg/L		DL=0.300		mg/L		DL=0.250	
TL		ND		V		ND		ZN		ND													
mg/L		DL=0.300		mg/L		DL=0.010		mg/L		DL=0.050													

7080314-7080315

Received: 08/21/96

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>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

7080314-7080315

Received: 08/21/96

Results by Sample

SAMPLE ID		MEAN % RECOVERY		SAMPLE # 04		FRACTIONS: A		Date & Time Collected		not specified		Category		QC	
AG		102	%	AS		91	%	BA		93	%	BE		92	%
CD		93	%	CO		94	%								
CR		93	%	CU		94	%	NI		91	%	PB		92	%
SB		92	%	SE		91	%								
TL		95	%	V		95	%	ZN		97	%				

7080314-7080315

Received: 08/21/96

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)	98 %	0.0200	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	97 %	0.0200	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/09/96

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

7080314-7080315

Received: 08/21/96

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>0.98</u>	AS	<u>4.4</u>	BA	<u>7.5</u>
	%		%	BE	<u>7.6</u>
				CD	<u>6.4</u>
				CO	<u>6.3</u>
CR	<u>6.4</u>	CU	<u>7.4</u>	NI	<u>5.5</u>
	%		%	PB	<u>4.3</u>
				SB	<u>9.8</u>
				SE	<u>1.1</u>
					%
TL	<u>1.0</u>	V	<u>6.3</u>	ZN	<u>7.2</u>
	%		%		%

7080314-7080315

Received: 08/21/96

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>1.0 %</u>	<u>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>2.1 %</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/09/96

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

7080314-7080315

Received: 08/21/96

Test Methodology

TEST CODE 504 NAME EDB AND DBCP BY GC

EPA Method 504: 1,2-Dibromoethane (EDB)
and 1,2-Dibromo-3-Chloro-Propane (DBPC)
in Water by Microextraction and Gas
Chromatography.

Re: Method for the Determination of
Organic Compounds in Drinking Water.
EPA-600/4-88/039, December 1988

TEST CODE 8260A NAME PURGEABLE ORGANICS VOA

Method not available.

TEST CODE MEX TW NAME METALS, TOTAL EXT., WATER

REFERENCE:

EPA METHOD 3005. Acid Digestion of Waters for Total Recoverable or
Dissolved Metals for Analysis by Flame Atomic Absorption Spectroscopy or
Inductively Coupled Plasma Spectroscopy. Test Methods for Evaluating
Physical/Chemical Methods. SW 846, 3rd Edition.

TEST CODE PB NAME LEAD

STORET CODE: 900212

EPA METHOD 239.2

7080314-7080315

Received: 08/22/96

Results by Sample

SAMPLE ID <u>METHOD BLANK</u>			SAMPLE # <u>08</u>		FRACTIONS: <u>A</u>		Date & Time Collected <u>not specified</u>		Category <u>QC</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=0.010	mg/L	DL=0.100	mg/L	DL=0.010	mg/L	DL=0.004	mg/L	DL=0.010	mg/L	DL=0.010
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	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	<u>ND</u>	V	<u>ND</u>	ZN	<u>ND</u>						
mg/L	DL=0.300	mg/L	DL=0.010	mg/L	DL=0.010						

7080331-7080337

Received: 08/22/96

Results by Sample

SAMPLE ID METHOD BLANK FRACTION 08A 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>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/27/96

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

ND = NOT DETECTED AT DETECTION LIMITS

7080331-7080337

Received: 08/22/96

Results by Sample

SAMPLE ID		MEAN % RECOVERY		SAMPLE # 09		FRACTIONS: A	
				Date & Time Collected		not specified	
						Category	
						QC	
AG	103	AS	91	BA	92	BE	92
	%		%		%		%
CD	88	CO	94	CR	94	CJ	91
	%		%		%		%
NI	94	PB	90	SB	90	SE	122
	%		%		%		%
TL	92	V	92	ZN	100		
	%		%		%		

7080331-7080337

Received: 08/22/96

Results by Sample

SAMPLE ID MEAN % RECOVERY FRACTION 09A 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)	98 %	0.0200	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	97 %	0.0200	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/09/96

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

7080331-7080337

Received: 08/22/96

Results by Sample

SAMPLE ID <u>RPD</u>		SAMPLE # <u>10</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>not specified</u>				Category <u>QC</u>	
AG	<u>10</u>	AS	<u>8.3</u>	BA	<u>8.2</u>
	%		%	BE	<u>8.4</u>
				CD	<u>8.3</u>
				CO	<u>8.2</u>
CR	<u>8.7</u>	CJ	<u>10</u>	NI	<u>7.9</u>
	%		%	PB	<u>9.5</u>
				SB	<u>13</u>
				SE	<u>2.5</u>
TL	<u>7.7</u>	V	<u>19</u>	ZN	<u>7.4</u>
	%		%		

7080331-7080337

Received: 08/22/96

Results by Sample

SAMPLE ID RPD FRACTION 10A 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>1.0 %</u>	<u>0.0200</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>2.1 %</u>	<u>0.0200</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 08/09/96

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

7080331-7080337

Received: 08/22/96

Test Methodology

TEST CODE 504 NAME EDB AND DBCP BY GC

EPA Method 504: 1,2-Dibromoethane (EDB)
and 1,2-Dibromo-3-Chloro-Propane (DBPC)
in Water by Microextraction and Gas
Chromatography.

Re: Method for the Determination of
Organic Compounds in Drinking Water.
EPA-600/4-88/039, December 1988

TEST CODE 8260A NAME PURGEABLE ORGANICS VOA

Method not available.

TEST CODE MEX TW NAME METALS, TOTAL EXT., WATER

REFERENCE:

EPA METHOD 3005. Acid Digestion of Waters for Total Recoverable or
Dissolved Metals for Analysis by Flame Atomic Absorption Spectroscopy or
Inductively Coupled Plasma Spectroscopy. Test Methods for Evaluating
Physical/Chemical Methods. SW 846, 3rd Edition.

TEST CODE PB NAME LEAD

STORET CODE: 900212

EPA METHOD 239.2

7080331-7080337