



PASCO COUNTY, FLORIDA

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

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

May 15, 1997

Ms. Allison Amram
Environmental Specialist III
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, FL 33619-8318

RECEIVED
MAY 16 1997

Department of Environmental Protection
SOUTHWEST DISTRICT
BY _____

RE: West Pasco Class III Landfill Groundwater
Monitoring Semester I, 1997

Dear Ms. Amram:

Enclosed please find the groundwater monitoring analyses from Monitoring Wells 2MW3A, 2MW7, 2MW8, 2MW9, 2MW10, 4MW3A, 4MW7, 4MW8, and 4MW9 at the West Pasco Class III Sanitary Landfill for the first semester (January-June) 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. Groundwater Monitoring Well 4MW9 was initially positive for dichloromethane. This well was resampled for confirmation of this initial finding. The verification sample was found to be nondetectable for this analyte. The results of the resample are included for your records. 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/s051505:ltr

Enclosures

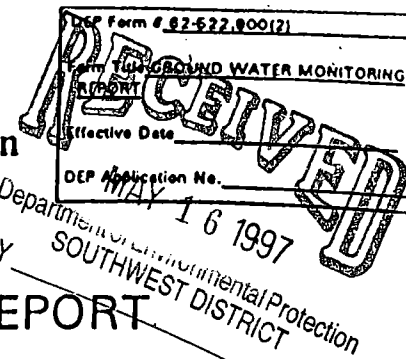
cc: Chongman Lee, Florida Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, FL 33619-8318
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, P.E., Solid Waste Facility Manager

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 Hays Road Class III Landfill
Address 1275 Hays Road
City Spring Hill, FL Zip 34610
Telephone Number ()
- (2) The GMS Identification Number 4051M30035
- (3) DEP Permit Number S051-182279
- (4) Authorized Representative Name Candia E. Mulhern
Address 8864 Government Drive
City New Port Richey, FL 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: 02/27/97

Candia E. Mulhern
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 #1-86137 & 86418 Env. 86035
- Lab Name Pasco County Environmental Laboratory
- Address 8864 Government Drive, New Port Richey, FL 34654
- Phone Number (813) 847-8902

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

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

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

PART I - GENERAL INFORMATION

- (1) Facility Name: Hays Road Class III Landfill
 Address: 1275 Hays Road
 City, State, Zip: Spring Hill, FL 34610
 Telephone Number: _____
- (2) The GMS Identification Number: 4051M30035
- (3) DEP Permit Number: S051-182279
- (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: 02/27/97


Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

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

Lab Name: Broward Testing Laboratory

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

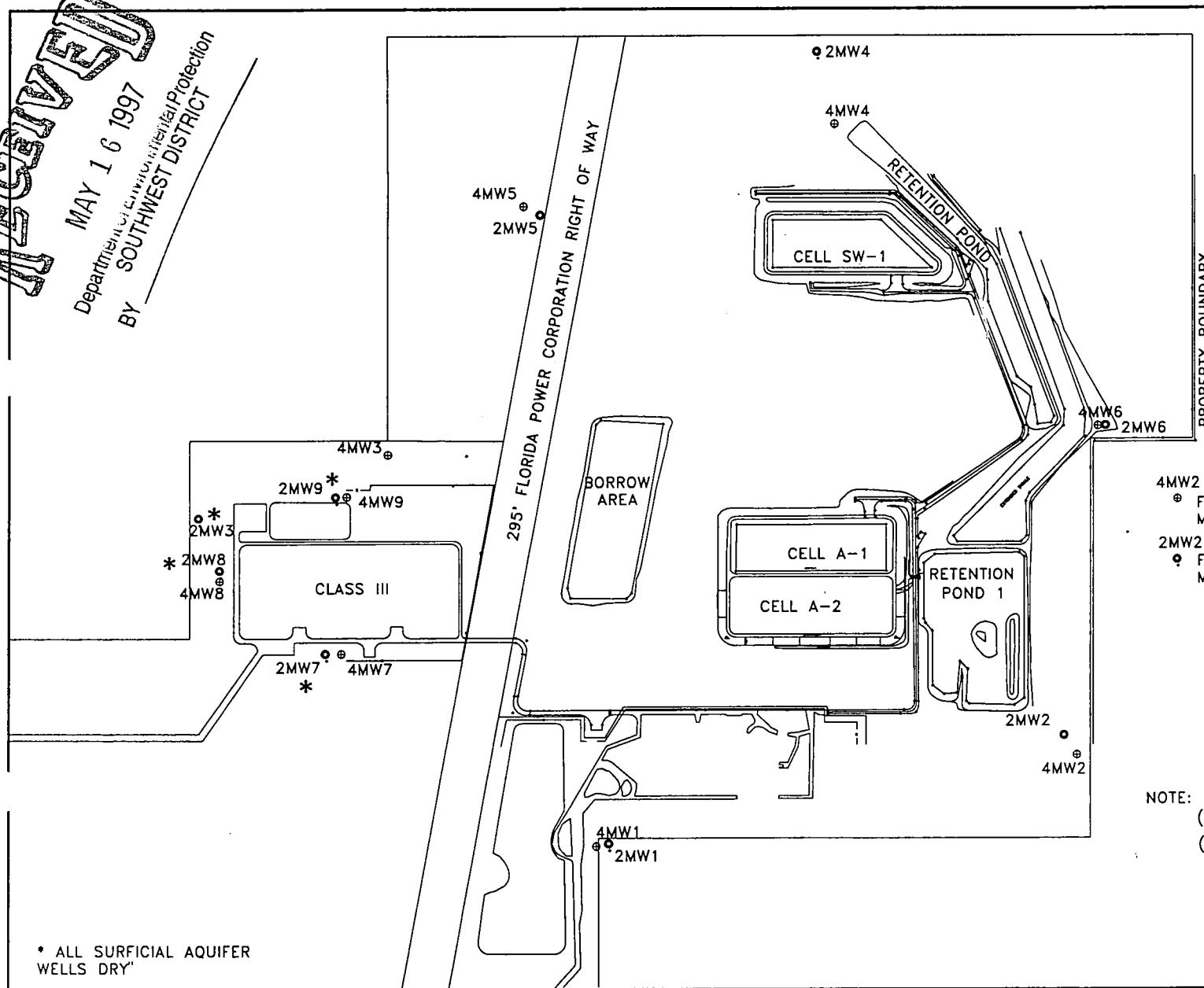
Phone Number: (216) 449-2525

HAYS ROAD CLASS III LANDFILL
GROUNDWATER EXCEEDENCE SUMMARY SHEET
SEMESTER I/1997

<u>WELL</u>	<u>ANALYTE</u>	<u>RESULT</u> <u>(µg/L)</u>	<u>RESAMPLE</u> <u>(µg/L)</u>
4MW9	Dichloromethane	10.7	<0.5

RECEIVED

MAY 16 1997
 Department of Environmental Protection
 BY SOUTHWEST DISTRICT



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

0  1000
 Scale In Feet

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

* ALL SURFICIAL AQUIFER WELLS DRY

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



LAW
 ENGINEERING AND ENVIRONMENTAL SERVICES

Ground-Water Monitoring

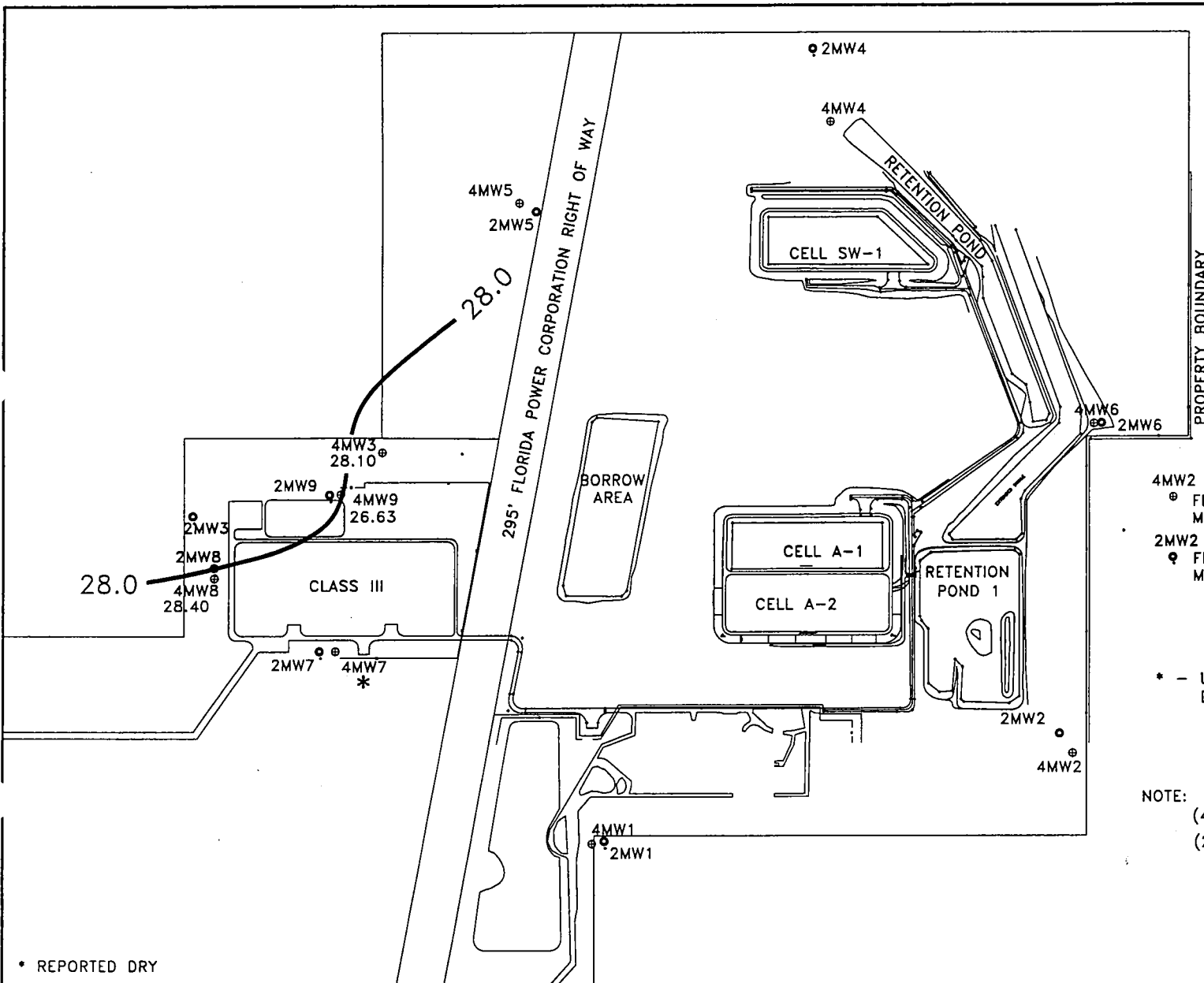
Surficial Aquifer Water Table Map
 FEBUARY 1997

Project 40141-5-0869

Figure 1

ACAD=41508692

Handwritten signature and date: 1/10/97

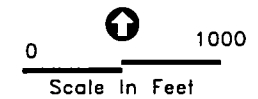


EXPLANATION

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

* - UNABLE TO SAMPLE DUE TO OBSTRUCTION

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



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

• REPORTED DRY

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



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

ACAD=41508692

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97

Test Site ID #: 4051A16325 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2MM-3A 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
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	_____	Dry mg/L	0.15 mg/L
000929	Sodium	"	"	EPA 273.1	_____	Dry mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	_____	Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	_____	Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	_____	Dry mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	_____	Dry Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	_____	Dry mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	_____	Dry mg/L	0.0005 mg/L
000945	Sulfate	"	"	EPA 375.4	_____	Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	_____	Dry mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	_____	Dry mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	_____	Dry °C	0 °C
000680	TOC	"	"	EPA 415.1	_____	Dry mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	_____	Dry µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	_____	Dry mg/L	1 mg/L
072020	Water Level (MSL)	"	"		_____	Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97Test Site ID #: 4051A16235 Report Period: 1997 / Quarter I
(year/quarter)Well Name: 2MM-7 Well Purged (Y/N): YESClassification 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
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	_____	Dry mg/L	0.15 mg/L
000929	Sodium	"	"	EPA 273.1	_____	Dry mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	_____	Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	_____	Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	_____	Dry mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	_____	Dry Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	_____	Dry mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	_____	Dry mg/L	0.0005 mg/L
000945	Sulfate	"	"	EPA 375.4	_____	Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	_____	Dry mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	_____	Dry mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	_____	Dry °C	0 °C
000680	TOC	"	"	EPA 415.1	_____	Dry mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	_____	Dry µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	_____	Dry mg/L	1 mg/L
072020	Water Level (MSL)	"	"		_____	Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97

Test Site ID #: 4051A16236 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2MM-8 Well Purged (Y/N): YES

Classification of Groundwater: Surficial Well Type: () Background

Groundwater Elevation (NGVD): () Intermediate

or (MSL): (XXX) Compliance

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wz. Ded. Mon. System	No	EPA 353.2		Dry mg/L	0.15 mg/L
000929	Sodium	"	"	EPA 273.1		Dry mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1		Dry Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1		Dry mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1		Dry mg/L	0.0005 mg/L
000945	Sulfate	"	"	EPA 375.4		Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1		Dry mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83		Dry mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B		Dry °C	0 °C
000680	TOC	"	"	EPA 415.1		Dry mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		Dry µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1		Dry mg/L	1 mg/L
072020	Water Level (MSL)	"	"			Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97

Test Site ID #: 4051A16237 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2MM-9 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
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	_____	Dry mg/L	0.15 mg/L
000929	Sodium	"	"	EPA 273.1	_____	Dry mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	_____	Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	_____	Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	_____	Dry mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	_____	Dry Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	_____	Dry mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	_____	Dry mg/L	0.0005 mg/L
000945	Sulfate	"	"	EPA 375.4	_____	Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	_____	Dry mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	_____	Dry mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	_____	Dry °C	0 °C
000680	TOC	"	"	EPA 415.1	_____	Dry mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	_____	Dry µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	_____	Dry mg/L	1 mg/L
072020	Water Level (MSL)	"	"		_____	Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97

Test Site ID #: 4051A16238 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 2MN-10 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
000620	Nitrate	Well Wz. Ded. Mon. System	No	EPA 353.2	_____	Dry mg/L	0.15 mg/L
000929	Sodium	"	"	EPA 273.1	_____	Dry mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	_____	Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	_____	Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	_____	Dry mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	_____	Dry Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	_____	Dry mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	_____	Dry mg/L	0.0005 mg/L
000945	Sulfate	"	"	EPA 375.4	_____	Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	_____	Dry mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	_____	Dry mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	_____	Dry °C	0 °C
000680	TOC	"	"	EPA 415.1	_____	Dry mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	_____	Dry µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	_____	Dry mg/L	1 mg/L
072020	Water Level (MSL)	"	"		_____	Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035Sampling Date/Time: 02/05/97 @ 100Test Site ID #: 4051A16322Report Period: 1997 / Quarter I
(year/quarter)Well Name: 4MM-3AWell Purged (Y/N): YESClassification of Groundwater: FloridanWell Type: (XXX) Background
() Intermediate
() Compliance
() Other

Groundwater Elevation (NGVD): _____

or (MSL): 28.10

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Miz. Ded. Mon. System	No	EPA 353.2	02/06/97 1300	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	EPA 273.1	02/07/97 1500	9.26 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	02/05/97 1605	0.9 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/06/97 1120	39.6 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/05/97 1600	270 mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	02/05/97 1010	7.00 Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	02/07/97 1445	0.25 mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	02/11/97 1000	0.0002 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	02/07/97 0900	2.73 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/06/97 1600	0.29 mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	02/12/97 0730	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	02/05/97 1010	23.4 °C	0 °C
000680	TOC	"	"	EPA 415.1	02/25/97 1700	2.57 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	02/05/97 1010	388 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	02/05/97 1630	146 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		02/05/97 1010	28.10 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/05/97 @ 10:10

Test Site ID #: _____

Report Period: _____
(Year/Quarter)

WELL NAME: 4MW3AClass 3

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					µmhos/cm	µmhos/cm
01095	Antimony			SM3113B	02/12/97	ND	0.002
01000	Arsenic			SM3113B	02/10/97	ND	0.003
01005	Barium			EPA 200.7	02/24/97	0.011	0.002
01010	Beryllium			EPA 200.7	02/24/97	ND	0.002
01025	Cadmium			SM3113B	02/10/97	ND	0.0004
01030	Chromium			EPA 200.7	04/23/97	ND	0.002
01035	Cobalt			EPA 200.7	04/23/97	ND	0.002
01040	Copper			EPA 200.7	02/24/97	ND	0.002
01049	Lead			SM3113B	02/11/97	ND	0.0004
01065	Nickel			EPA 200.7	04/23/97	ND	0.005
1145	Selenium			SM3113B	02/07/97	ND	0.001
01075	Silver			EPA 200.7	02/24/97	ND	0.005
01057	Thallium			EPA 200.9	02/13/97	ND	0.001
01085	Vanadium			EPA 200.7	02/24/97	ND	0.002
01090	Zinc			EPA 200.7	02/24/97	ND	0.005

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	02/13/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	02/13/97	ND	10.0
34235	Benzene			EPA 502.2	02/12/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	02/13/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	02/13/97	ND	5.00
32104	Bromoform			EPA 8260A	02/13/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	02/13/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/12/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	02/13/97	ND	5.00
34311	Chloroethane			EPA 8260A	02/13/97	ND	10.0
32106	Chloroform			EPA 8260A	02/13/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	02/13/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/14/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/14/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	02/13/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	02/13/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/13/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	02/13/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/12/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	02/13/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	02/13/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	02/13/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	02/13/97	ND	5.00
77103	2-Hexanone			EPA 8260A	02/13/97	ND	10.0
34413	Methyl bromide			EPA 8260A	02/13/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
34418	Methyl chloride			EPA 8260A	02/13/97	ND	5.00
77596	Methylene bromide			EPA 8260A	02/13/97	ND	10.0
34423	Methylene chloride			EPA 8260A	02/13/97	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	02/13/97	ND	10.0
49262	Methyl iodide			EPA 8260A	02/13/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	02/13/97	ND	10.0
77128	Styrene			EPA 8260A	02/13/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/13/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	02/13/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/12/97	ND	0.5
78131	Toluene			EPA 8260A	02/13/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	02/13/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	02/13/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/12/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	02/13/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	02/13/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	02/13/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/12/97	ND	0.5
81551	Xylenes			EPA 8260A	02/13/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

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

System Name: _____ ID #: 4mw3A

Address: _____

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

Contact: _____ Phone #: _____

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

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02-05-97 Sample Time: 1010Sample Location (be specific): CLASS 3

Sampler Name and Phone: _____

Sampler Signature and Title: [Signature]

Check Type: _____

☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each siteLABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334 Phone: 800-458-3330Subcontracted Lab Name & HRS #: Toxikon - E86218

Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140064 Date Sample Received: 2/6/97

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

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

**Provide radiochemical sample dates & locations for each quarter

I, Gay J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.
Date: MAR 04 1997 Title: Laboratory Director Signature: [Signature]

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

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

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL

SPECIAL INSTRUCTIONS

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

COMMENTS

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

#1053367



BROWARD TESTING LABORATORY, INC.

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



Date: 02/28/97 Report #: 7140064 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES

ATTN: CANDY MULHERN

8864 GOVERNMENT DR.

NEW PORT RICHEY, FL 34654-

Date Collected: 02/05/97

Time Collected: 10:10

SOURCE: P.C.E.L.

CLASS 3

4MW3A

Date received at lab: 02/06/97

Time received at lab: 11:35

Collected by : C.C.

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

NOTE: "*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.

"ND" This contaminant was not detected at or above our stated detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date
Primary Inorganic Analysis 62-550.310 (1) (PWS030)						
1005 Arsenic	0.05	7140064	ND	3113B	0.003	02/10/97
1015 Cadmium	0.005	7140064	ND	3113B	0.0004	02/10/97
1030 Lead	0.015	7140064	ND	3113B	0.0004	02/11/97
1045 Selenium	0.05	7140064	ND	3113B	0.001	02/07/97
1074 Antimony	0.006	7140064	ND	3113B	0.002	02/12/97
1085 Thallium	0.002	7140064	ND	200.9	0.001	02/13/97



BROWARD TESTING LABORATORY, INC.

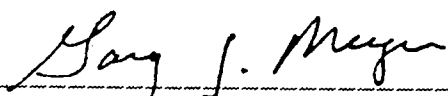
4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



Page 2. Sample Code: 7140064

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Result	Method	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)							
2976	Vinyl Chloride	1	7140064	ND	502.2	0.5	02/12/97
2980	1,2-Dichloroethane	3	7140064	ND	502.2	0.5	02/12/97
2982	Carbon Tetrachloride	3	7140064	ND	502.2	0.5	02/12/97
2984	Trichloroethylene	3	7140064	ND	502.2	0.5	02/12/97
2987	Tetrachloroethylene	3	7140064	ND	502.2	0.5	02/12/97
2990	Benzene	1	7140064	ND	502.2	0.5	02/12/97

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



Gary Meyer, Lab Director

Received: 02/06/97

Results by Sample

SAMPLE ID <u>7140064</u>		SAMPLE # <u>02</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>02/05/97 10:10:00</u>		Category <u>LIQUID</u>			
AG <u>ND</u>	AS <u>ND</u>	BA <u>0.011</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.005 <u>2-24-97</u>	mg/L DL=0.002 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>4-23-97</u>
CR <u>ND</u>	CU <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.002 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.005 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.003 <u>2-24-97</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>			
mg/L DL=0.003 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.005 <u>2-24-97</u>			

Received: 02/06/97

Results by Sample

SAMPLE ID 7140064FRACTION 02ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 02/05/97 10:10:00Category LIQUIDEPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.02</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.02</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/97

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/06/97

Results by Sample

SAMPLE ID 7140064FRACTION 02ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/05/97 10:10:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

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

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	108%	86 - 118
Toluene-d8	100%	88 - 110
Bromofluorobenzene	111%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 02/13/97ANALYST: CHRINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97

Test Site ID #: 4051A16232 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 4MN-7 Well Purged (Y/N): YES

Classification of Groundwater: Floridan 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
000620	Nitrate	Well Miz. Ded. Mon. System	No	EPA 353.2	_____	Dry mg/L	0.15 mg/L
000929	Sodium	"	"	EPA 273.1	_____	Dry mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	_____	Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	_____	Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	_____	Dry mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	_____	Dry Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	_____	Dry mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	_____	Dry mg/L	0.0005 mg/L
000945	Sulfate	"	"	EPA 375.4	_____	Dry mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	_____	Dry mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	_____	Dry mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	_____	Dry °C	0 °C
000680	TOC	"	"	EPA 415.1	_____	Dry mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	_____	Dry µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	_____	Dry mg/L	1 mg/L
072020	Water Level (MSL)	"	"		_____	Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97 @ 1230

Test Site ID #: 4051A16233 Report Period: 1997 / Quarter I
(year/quarter)

Well Name: 4MM-8 Well Purged (Y/N): YES

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

Groundwater Elevation (NGVD): _____
or (MSL): 28.40

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	02/06/97 1300	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	EPA 273.1	02/07/97 1500	3.49 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	02/05/97 1605	0.8 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/06/97 1120	5.50 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/05/97 1600	161 mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	02/05/97 1230	7.21 Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	02/07/97 1445	0.06 mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	02/11/97 1000	0.0003 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	02/07/97 0900	1.36 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/06/97 1600	0.24 mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	02/12/97 0730	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	02/05/97 1230	23.8 °C	0 °C
000680	TOC	"	"	EPA 415.1	02/25/97 1700	1.18 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	02/05/97 1230	279 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	02/05/97 1630	142 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		02/05/97 1230	28.40 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/05/97 @ 12:30

Test Site ID #: _____

Report Period: _____
(Year/Quarter)

WELL NAME: 4MW8/CLASS 3

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					µmhos/cm	µmhos/cm
01095	Antimony			SM3113B	02/12/97	ND	0.002
01000	Arsenic			SM3113B	02/10/97	ND	0.003
01005	Barium			EPA 200.7	02/24/97	0.007	0.002
01010	Beryllium			EPA 200.7	02/24/97	ND	0.002
01025	Cadmium			SM3113B	02/10/97	ND	0.0004
01030	Chromium			EPA 200.7	04/23/97	ND	0.002
01035	Cobalt			EPA 200.7	04/23/97	ND	0.002
01040	Copper			EPA 200.7	02/24/97	ND	0.002
01049	Lead			SM3113B	02/11/97	ND	0.0004
01065	Nickel			EPA 200.7	04/23/97	ND	0.005
1145	Selenium			SM3113B	02/07/97	ND	0.001
01075	Silver			EPA 200.7	02/24/97	ND	0.005
01057	Thallium			EPA 200.9	02/13/97	ND	0.001
01085	Vanadium			EPA 200.7	02/24/97	ND	0.002
01090	Zinc			EPA 200.7	02/24/97	ND	0.005

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	02/13/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	02/13/97	ND	10.0
34235	Benzene			EPA 502.2	02/12/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	02/13/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	02/13/97	ND	5.00
32104	Bromoform			EPA 8260A	02/13/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	02/13/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/12/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	02/13/97	ND	5.00
34311	Chloroethane			EPA 8260A	02/13/97	ND	10.0
32106	Chloroform			EPA 8260A	02/13/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	02/13/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/14/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/14/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	02/13/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	02/13/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/13/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	02/13/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/12/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	02/13/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	02/13/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	02/13/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	02/13/97	ND	5.00
77103	2-Hexanone			EPA 8260A	02/13/97	ND	10.0
34413	Methyl bromide			EPA 8260A	02/13/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
34418	Methyl chloride			EPA 8260A	02/13/97	ND	5.00
77596	Methylene bromide			EPA 8260A	02/13/97	ND	10.0
34423	Methylene chloride			EPA 8260A	02/13/97	ND	10.0
81595	Methyl ethyl ketone			EPA 8260A	02/13/97	ND	10.0
49262	Methyl iodide			EPA 8260A	02/13/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	02/13/97	ND	10.0
77128	Styrene			EPA 8260A	02/13/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/13/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	02/13/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/12/97	ND	0.5
78131	Toluene			EPA 8260A	02/13/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	02/13/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	02/13/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/12/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	02/13/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	02/13/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	02/13/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/12/97	ND	0.5
81551	Xylenes			EPA 8260A	02/13/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

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

System Name: _____ ID #: 4mw8

Address: _____

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

Contact: _____ Phone #: _____

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

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02-05-97 Sample Time: 1230Sample Location (be specific): CLASS 3

Sampler Name and Phone: _____

Sampler Signature and Title: Chris Chisholm

Check Type:

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

LABORATORY CERTIFICATION INFORMATION (to be completed by lab)

ATTACH HRS ANALYTE SHEET*

Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97Address: 4416 NE 11th Ave. Ft. Lauderdale, FL 33334 Phone: 800-458-3330Subcontracted Lab Name & HRS #: Toxikon E86278

Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140063 Date Sample Received: 2/6/97

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

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

**Provide radiochemical sample dates & locations for each quarter

I, Gary J. Meyer do HEREBY CERTIFY that all attached analytical data are correct.Date: MAR 04 1997Title: Laboratory DirectorSignature: Gary J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

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

Effective January 1995

BTL

7140063E06

SAMPLE NUMBER

DATE RCD _____ TIME 11:35

PAYMENT \$ _____

CHECK # _____

SPECIAL INSTRUCTIONS

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

COMMENTS

Pri. Voc Partial
 Benzene, Carbon Tet.
 1,2 dichloroethane,
 tetrachloroethene
 trichloroethene
 vinyl chloride

AND
 QAQC

#1053367

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL



BROWARD TESTING LABORATORY, INC.

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



Date: 02/28/97 Report #: 7140063 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES

ATTN: CANDY MULHERN

8864 GOVERNMENT DR.

NEW PORT RICHEY, FL 34654-

Date Collected: 02/05/97

Time Collected: 12:30

SOURCE: P.C.E.L.

CLASS 3

4MWS

Date received at lab: 02/06/97

Time received at lab: 11:35

Collected by: C.C.

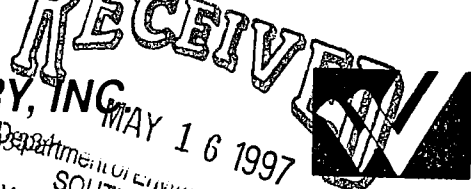
PLEASE NOTE: APPENDIX I WAS SUBCONTRACTED TO TOXIKON, SEE ATTACHED.

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

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date
Primary Inorganic Analysis 62-550.310 (1) (PWS030)						
1005 Arsenic	0.05	7140063	ND	3113B	0.003	02/10/97
1015 Cadmium	0.005	7140063	ND	3113B	0.0004	02/10/97
1030 Lead	0.015	7140063	ND	3113B	0.0004	02/11/97
1045 Selenium	0.05	7140063	ND	3113B	0.001	02/07/97
1074 Antimony	0.006	7140063	ND	3113B	0.002	02/12/97
1085 Thallium	0.002	7140063	ND	200.9	0.001	02/13/97

**BROWARD TESTING LABORATORY, INC.**

4416 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33304



Page 2. Sample Code: 7140063

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Result	Method MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						
2976	Vinyl Chloride	1	7140063	ND	502.2 0.5	02/12/97
2980	1,2-Dichloroethane	3	7140063	ND	502.2 0.5	02/12/97
2982	Carbon Tetrachloride	3	7140063	ND	502.2 0.5	02/12/97
2984	Trichloroethylene	3	7140063	ND	502.2 0.5	02/12/97
2987	Tetrachloroethylene	3	7140063	ND	502.2 0.5	02/12/97
2990	Benzene	1	7140063	ND	502.2 0.5	02/12/97

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

Gary Meyer, Lab Director

Received: 02/06/97

04/24/97 13:49:55

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

CLIENT NTL SAMPLES 6
COMPANY NATIONAL TESTING LABORATORY
FACILITY 6555 WILSON MILLS ROAD
CLEVELAND, OHIO 44143

WORK ID 7140063-0065
TAKEN 02/04/97
TRANS COURIER
TYPE LIQUID
P.O. # _____
INV. # 5222

Previously Reported on 02/25/97.

SAMPLE IDENTIFICATION

01 7140063
02 7140064
03 7140065
04 METHOD BLANK
05 MEAN % RECOVERY
06 RPD

TEST CODES and NAMES used on this workorder

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

Received: 02/06/97

Results by Sample

SAMPLE ID <u>7140063</u>		SAMPLE # <u>01</u> FRACTIONS: <u>A</u>	
Date & Time Collected <u>02/05/97 12:30:00</u>		Category <u>LIQUID</u>	
AG <u>ND</u>	AS <u>ND</u>	BA <u>0.007</u>	BE <u>ND</u>
mg/L DL=0.005 <u>2.2497</u>	mg/L DL=0.002 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>
CD <u>ND</u>	CO <u>ND</u>	CR <u>ND</u>	CU <u>ND</u>
mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>
NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.005 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.003 <u>2-24-97</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>	
mg/L DL=0.003 <u>2.2497</u>	mg/L DL=0.002 <u>2.2497</u>	mg/L DL=0.005 <u>2.2497</u>	

Received: 02/06/97

Results by Sample

SAMPLE ID 7140063 FRACTION 01A TEST CODE 504 NAME EDB AND DBCP BY GC
Date & Time Collected 02/05/97 12:30:00 Category LIQUID

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.02</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.02</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/97

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/06/97

Results by Sample

SAMPLE ID 7140063FRACTION 01ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/05/97 12:30:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

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

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	109%	86 - 118
Toluene-d8	102%	88 - 110
Bromofluorobenzene	113%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 02/13/97ANALYST: CHRINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035 Sampling Date/Time: 02/05/97 @ 1130
 Test Site ID #: 4051A16234 Report Period: 1997 / Quarter I
 (year/quarter)
 Well Name: 4MN-9 Well Purged (Y/N): YES
 Classification of Groundwater: Floridan Well Type: () Background
 () Intermediate
 (XXX) Compliance
 () Other
 Groundwater Elevation (NGVD): _____
 or (MSL): 26.63

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	EPA 353.2	02/06/97 1300	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	EPA 273.1	02/07/97 1500	3.80 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	02/05/97 1605	0.3 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/06/97 1120	10.8 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/05/97 1600	199 mg/L	1 mg/L
000400	pH-Field	"	"	EPA 150.1	02/05/97 1130	7.09 Std. Units	0.01 Std. Units
001045	Iron	"	"	EPA 236.1	02/07/97 1445	0.06 mg/L	0.001 mg/L
071900	Mercury	"	"	EPA 245.1	02/11/97 1000	0.0003 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	02/07/97 0900	1.41 mg/L	1 mg/L
000610	Ammonia	"	"	EPA 350.1	02/06/97 1600	0.08 mg/L	0.10 mg/L
000612	NH ₄ -N	"	"	DEP SOP 10/03/83	02/12/97 0730	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	02/05/97 1130	24.4 °C	0 °C
000680	TOC	"	"	EPA 415.1	02/25/97 1700	1.18 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	02/05/97 1130	313 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	EPA 310.1	02/05/97 1630	153 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		02/05/97 1130	26.63 Feet	Feet

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 02/05/97 @ 11:30

Test Site ID #: _____

Report Period: _____
(Year/Quarter)

WELL NAME: 4MW9 CLASS 3

Well Type: () Background

Classification of Ground Water: _____

() Intermediate

Ground Water Elevation (NGVD): _____

() Compliance

or (MSL): _____

() Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)					degree,C	degree,C
00400	pH (field)					Std.Units	Std.Units
	Water Level Elev.					Ft.NGVD	Ft. NGVD
00094	Specific Cond. (field)					µmhos/cm	µmhos/cm
01095	Antimony			SM3113B	02/12/97	ND	0.002
01000	Arsenic			SM3113B	02/10/97	ND	0.003
01005	Barium			EPA 200.7	02/24/97	0.007	0.002
01010	Beryllium			EPA 200.7	02/24/97	ND	0.002
01025	Cadmium			SM3113B	02/10/97	ND	0.0004
01030	Chromium			EPA 200.7	04/23/97	ND	0.002
01035	Cobalt			EPA 200.7	04/23/97	ND	0.002
01040	Copper			EPA 200.7	02/24/97	ND	0.002
01049	Lead			SM3113B	02/11/97	ND	0.0004
01065	Nickel			EPA 200.7	04/23/97	ND	0.005
1145	Selenium			SM3113B	02/07/97	ND	0.001
01075	Silver			EPA 200.7	02/24/97	ND	0.005
01057	Thallium			EPA 200.9	02/13/97	ND	0.001
01085	Vanadium			EPA 200.7	02/24/97	ND	0.002
01090	Zinc			EPA 200.7	02/24/97	ND	0.005

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260A	02/13/97	ND	50.0
34215	Acrylonitrile			EPA 8260A	02/13/97	ND	10.0
34235	Benzene			EPA 502.2	02/12/97	ND	0.5
N/A	Bromochloromethane			EPA 8260A	02/13/97	ND	5.00
32101	Bromodichloromethane			EPA 8260A	02/13/97	ND	5.00
32104	Bromoform			EPA 8260A	02/13/97	ND	5.00
77041	Carbon disulfide			EPA 8260A	02/13/97	ND	5.00
32102	Carbon tetrachloride			EPA 502.2	02/12/97	ND	0.5
34301	Chlorobenzene			EPA 8260A	02/13/97	ND	5.00
34311	Chloroethane			EPA 8260A	02/13/97	ND	10.0
32106	Chloroform			EPA 8260A	02/13/97	ND	5.00
32105	Dibromochloromethane			EPA 8260A	02/13/97	ND	5.00
38761	1,2-Dibromo-3-chloropropane			EPA 504	02/14/97	ND	0.02
77651	1,2-Dibromoethane			EPA 504	02/14/97	ND	0.02
34537	o-Dichlorobenzene			EPA 8260A	02/13/97	ND	5.00
34571	p-Dichlorobenzene			EPA 8260A	02/13/97	ND	5.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/13/97	ND	50.0
34496	1,1-Dichloroethane			EPA 8260A	02/13/97	ND	5.00
32103	1,2-Dichloroethane			EPA 502.2	02/12/97	ND	0.5
34502	1,1-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
81686	cis-1,2-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
34546	trans-1,2-Dichloroethene			EPA 8260A	02/13/97	ND	5.00
34541	1,2-Dichloropropane			EPA 8260A	02/13/97	ND	5.00
34704	cis-1,3-Dichloropropene			EPA 8260A	02/13/97	ND	5.00
34699	trans-1,3-Dichloropropene			EPA 8260A	02/13/97	ND	5.00
78113	Ethylbenzene			EPA 8260A	02/13/97	ND	5.00
77103	2-Hexanone			EPA 8260A	02/13/97	ND	10.0
34413	Methyl bromide			EPA 8260A	02/13/97	ND	5.00

* Attach Laboratory Reports

PART III - ANALYTICAL RESULTS (Continued)

Resampled

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	02/13/97	ND	5.00
77596	Methylene bromide			EPA 8260A	02/13/97	ND	10.0
34423	Methylene chloride			EPA 8260A	02/13/97	10.7	10.0
81595	Methyl ethyl ketone			EPA 8260A	02/13/97	ND	10.0
49262	Methyl iodide			EPA 8260A	02/13/97	ND	10.0
78133	4-Methyl-2-pentanone			EPA 8260A	02/13/97	ND	10.0
77128	Styrene			EPA 8260A	02/13/97	ND	5.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/13/97	ND	5.00
34516	1,1,2,2-Tetrachloroethane			EPA 8260A	02/13/97	ND	5.00
34476	Tetrachloroethene			EPA 502.2	02/12/97	ND	0.5
78131	Toluene			EPA 8260A	02/13/97	ND	5.00
34506	1,1,1-Trichloroethane			EPA 8260A	02/13/97	ND	5.00
34511	1,1,2-Trichloroethane			EPA 8260A	02/13/97	ND	5.00
34485	Trichloroethene			EPA 502.2	02/12/97	ND	0.5
34488	Trichlorofluoromethane			EPA 8260A	02/13/97	ND	5.00
77443	1,2,3-Trichloropropane			EPA 8260A	02/13/97	ND	5.00
77057	Vinyl acetate			EPA 8260A	02/13/97	ND	5.00
39175	Vinyl chloride			EPA 502.2	02/12/97	ND	0.5
81551	Xylenes			EPA 8260A	02/13/97	ND	5.00

* Attach Laboratory Reports

LAB FORMAT FOR REPORTING DRINKING WATER ANALYSIS

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

System Name: _____ ID #: 4mw9
 Address: _____
 Type (check one): ☐ Community ☐ Nontransient Noncommunity ☐ Noncommunity
 Contact: _____ Phone #: _____
 Order for Analysis Placed By (if different from above): _____

SAMPLE INFORMATION (to be completed by sampler)

Sample Date (MM/DD/YY): 02-05-97 Sample Time: 1130
 Sample Location (be specific): CASS 3
 Sampler Name and Phone: _____
 Sampler Signature and Title: Chris C. Ditt
 Check Type:
☐ Distribution ☐ Plant Tap ☐ Resample of Lab Invalidated Sample
☐ Clearance ☐ Recheck of MCL ☐ THM Max Res Time ☐ Raw
☐ Distribution Entry Point ☐ Composite of Multiple Sites - Attach a format for each site

LABORATORY CERTIFICATION INFORMATION (to be completed by lab)
ATTACH HRS ANALYTE SHEET*

Lab Name: Broward Testing Laboratory HRS #: 86418 Expiration Date: 6/97
 Address: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334 Phone: 800-458-3330
 Subcontracted Lab Name & HRS #: E86278 Toxikon
 Attach HRS Analyte Sheet for Subcontracted Lab*

ANALYSIS INFORMATION (to be completed by lab)

SAMPLE NUMBER: 7140065 Date Sample Received: 2/6/97

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

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

**Provide radiochemical sample dates & locations for each quarter

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

Date: MAR 04 1997

Title: Laboratory Director

Signature: Gary J. Meyer

COMPLIANCE INFORMATION (to be complete by State)

Sample Collection Satisfactory: _____

Sample Analysis Satisfactory: _____

Resample Requested for: _____

Reason: _____

Person Notified to Resample: _____

Date Notified: _____

DEP/HRS Reviewing Official: _____

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

FOR LABORATORY USE ONLY

COMPLIANCE APPROVAL

SPECIAL INSTRUCTIONS

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

COMMENTS

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

AND
QAQC

#1053367



BROWARD TESTING LABORATORY, INC.

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



Date: 02/28/97 Report #: 7140065 Laboratory ID #: 86418

Client: PASCO COUNTY UTILITIES

ATTN: CANDY MULHERN

8864 GOVERNMENT DR.

NEW PORT RICHEY, FL 34654-

Date Collected: 02/05/97

Time Collected: 11:30

SOURCE: P.C.E.L.

CLASS 3

4MW9

Date received at lab: 02/06/97

Time received at lab: 11:35

Collected by: C.C.

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

NOTE: "*" The MCL (Maximum Contaminant Level) or an established guideline has been exceeded for this contaminant.

"ND" This contaminant was not detected at or above our stated detection limit.

Fed Analysis Id # Performed	MCL (mg/l)	Sample Number	Analysis Result	Method	MDL	Anal Date
Primary Inorganic Analysis 62-550.310 (1) (PWS030)						
1005 Arsenic	0.05	7140065	ND	3113B	0.003	02/10/97
1015 Cadmium	0.005	7140065	ND	3113B	0.0004	02/10/97
1030 Lead	0.015	7140065	ND	3113B	0.0004	02/11/97
1045 Selenium	0.05	7140065	ND	3113B	0.001	02/07/97
1074 Antimony	0.006	7140065	ND	3113B	0.002	02/12/97
1085 Thallium	0.002	7140065	ND	200.9	0.001	02/13/97



BROWNING ID TESTING LABORATORY, INC.

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



Page 2. Sample Code: 7140065

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Method Result	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						
2976	Vinyl Chloride	1	7140065	ND	502.2 0.5	02/12/97
2980	1,2-Dichloroethane	3	7140065	ND	502.2 0.5	02/12/97
2982	Carbon Tetrachloride	3	7140065	ND	502.2 0.5	02/12/97
2984	Trichloroethylene	3	7140065	ND	502.2 0.5	02/12/97
2987	Tetrachloroethylene	3	7140065	ND	502.2 0.5	02/12/97
2990	Benzene	1	7140065	ND	502.2 0.5	02/12/97

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

Gary Meyer, Lab Director

Received: 02/06/97

Results by Sample

SAMPLE ID <u>7140065</u>		SAMPLE # <u>03</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>02/05/97 11:30:00</u>		Category <u>LIQUID</u>			
AG <u>ND</u>	AS <u>ND</u>	BA <u>0.007</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.005 <u>2-24-97</u>	mg/L DL=0.002 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>4-23-97</u>
CR <u>ND</u>	CU <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>	SB <u>ND</u>	SE <u>ND</u>
mg/L DL=0.002 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.005 <u>4-23-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.003 <u>2-24-97</u>
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>			
mg/L DL=0.003 <u>2-24-97</u>	mg/L DL=0.002 <u>2-24-97</u>	mg/L DL=0.005 <u>2-24-97</u>			

Received: 02/06/97

Results by Sample

SAMPLE ID 7140065FRACTION 03ATEST CODE 504NAME EDB AND DBCP BY GCDate & Time Collected 02/05/97 11:30:00Category LIQUIDEPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>ND</u>	<u>0.02</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.02</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/97

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

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/06/97

Results by Sample

SAMPLE ID 7140065FRACTION 03ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected 02/05/97 11:30:00Category LIQUID**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	ND	50.0			
Acrylonitrile	ND	10.0	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	10.7	10.0
Carbon tetrachloride	ND	10.0	Methyl ethyl ketone	ND	10.0
Chlorobenzene	ND	5.00	Methyl iodide	ND	10.0
Chloroethane	ND	10.0	4-Methyl-2-pentanone	ND	10.0
Chloroform	ND	5.00	Styrene	ND	5.00
Dibromochloromethane	ND	5.00	1,1,1,2-Tetrachloroethane	ND	5.00
1,2-Dichlorobenzene	ND	5.00	1,1,2,2-Tetrachloroethane	ND	5.00
1,4-Dichlorobenzene	ND	5.00	Tetrachloroethene	ND	5.00
trans-1,4-Dichloro-2-butene	ND	50.0	Toluene	ND	5.00
1,1-Dichloroethane	ND	5.00	1,1,1-Trichloroethane	ND	5.00
1,2-Dichloroethane	ND	5.00	1,1,2-Trichloroethane	ND	5.00
1,1-Dichloroethene	ND	5.00	Trichloroethene	ND	5.00
cis-1,2-Dichloroethene	ND	5.00	Trichlorofluoromethane	ND	5.00
trans-1,2-Dichloroethene	ND	5.00	1,2,3-Trichloropropane	ND	5.00
1,2-Dichloropropane	ND	5.00	Vinyl acetate	ND	5.00
cis-1,3-Dichloropropene	ND	5.00	Vinyl chloride	ND	5.00
trans-1,3-Dichloropropene	ND	5.00	Total xylenes	ND	5.00

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	113%	86 - 118
Toluene-d8	102%	88 - 110
Bromofluorobenzene	113%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 02/13/97ANALYST: CHRINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit



BROWARD TESTING LABORATORY, INC.

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



QA/QC DATA ENTRY SHEET (ORGANICS)

Sample range: 7160193 THRU 7160194

Page 1 of 2

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

Herbicides by 515.2 Date _____ Init _____

2,4-D			
Pentachloro phenol			
Dicamba			

548.1 Date _____ Init _____

Endothall			
-----------	--	--	--

549.1 Date _____ Init _____

Diquat			
--------	--	--	--

547 Date _____ Init _____

Glyphosate			
------------	--	--	--

531.1 Date _____ Init _____

Oxamyl			
Aldicarb			
Carbaryl			

525.2 Date _____ Init _____

Di(2-ethylhexyl phthalate			
Benzo(a)pyrene			
Lindane			

625 Date _____ Init _____

246 trichloro phenol			
ButylBenzyl phthalate			



BEST AVAILABLE COPY
BROWARD TESTING LABORATORY, INC.
6 N.E. 11TH AVE., FORT LAUDERDALE, FLORIDA 33334



QA/QC DATE ENTRY SHEET
(ORGANICS)

Sample range: 7160193 THRU 7160194

Page 2 of 2

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

502.2

Date 4/17/97

Init ER

1, 4 Dichloro benzene	BDL	98.3%	0.2%
cis-1,2 di chloroethene	BDL	106%	1.9%
Bromodichloro methane	BDL	94.8%	8.0%
Toluene	BDL	87.3%	6.3%

504.1

Date _____

Init _____

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



BROWARD TESTING LABORATORY, INC.

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



QA/QC DATA ENTRY SHEET

SAMPLE NUMBER: 7140001 THRU 7140106

PARAMETER	Blank Value	% Recovery (matrix spike)	Rel. % Difference (dups)	Date	Init
ANTIMONY	BDL	90%	0%	2/05	MG
ARSENIC	BDL	96%	0%	2/10	MG
BARIUM					
BERYLLIUM					
CADMIUM	BDL	92%	0%	2/10	MG
CHROMIUM					
LEAD	BDL	97%	46.2%	2/07	MG
MERCURY					
NICKEL					
SELENIUM	BDL	93%	0%	2/07	MG
SODIUM					
THALLIUM	BDL	104%	0%	2/05	MG

CYANIDE					
FLUORIDE					
NO3-N + NO2-N					
NITRATE					
NITRITE					



BROWARD TESTING LABORATORY, INC.

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



QA/QC DATA ENTRY SHEET

SAMPLE NUMBER: 7140001 THRU 7140106

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

CHLORIDE					
COLOR					
FLUORIDE					
FOAM. AGENTS					
ODOR					
pH					
SULFATE					
TDS					



BROWARD TESTING LABORATORY, INC.

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



QA/QC DATA ENTRY SHEET (ORGANICS)

Sample range: 7140001 THRU 7140130

Page 1 of 2

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

Herbicides by 515.2 Date _____ Init _____

2,4-D			
Pentachloro phenol			
Dicamba			

548.1 Date _____ Init _____

Endothall			
-----------	--	--	--

549.1 Date _____ Init _____

Diquat			
--------	--	--	--

547 Date _____ Init _____

Glyphosate			
------------	--	--	--

531.1 Date _____ Init _____

Oxamyl			
Aldicarb			
Carbaryl			

525.2 Date _____ Init _____

Di(2-ethylhexyl phthalate			
Benzo(a)pyrene			
Lindane			

625 Date _____ Init _____

246 trichloro phenol			
ButylBenzyl phthalate			



BROWARD TESTING LABORATORY, INC.

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



QA/QC DATE ENTRY SHEET (ORGANICS)

Sample range: 7140001 THRU 7140130

Page 2 of 2

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

502.2

Date 2/12/97

Init ER

1, 4 Dichloro benzene	BDL	97.1%	5.9%
cis-1,2 di chloroethene	BDL	92.3%	9.0%
Bromodichloro methane	BDL	104%	1.94%
Toluene	BDL	101%	6.7%

504.1

Date

Init

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

Received: 02/06/97

Results by Sample

SAMPLE ID <u>METHOD BLANK</u>		SAMPLE # <u>04</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=0.005	mg/L DL=0.002	mg/L DL=0.002	mg/L DL=0.002	mg/L DL=0.002	mg/L DL=0.002
	4-23-97				4-23-97
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=0.002	mg/L DL=0.002	mg/L DL=0.005	mg/L DL=0.002	mg/L DL=0.002	mg/L DL=0.003
4-23-97		4-23-97			
TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>			
mg/L DL=0.003	mg/L DL=0.002	mg/L DL=0.005			

Received: 02/06/97

Results by Sample

SAMPLE ID METHOD BLANK 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>ND</u>	<u>0.02</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>ND</u>	<u>0.02</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/97

INSTRUMENT..... HP-2

UNITS..... ug/L

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/06/97

Results by Sample

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

EPA 8260A PURGEABLE ORGANICS

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

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	104%	86 - 118
Toluene-d8	97%	88 - 110
Bromofluorobenzene	105%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 02/13/97ANALYST: CHRINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: ug/L

ND = not detected at detection limit

Received: 02/06/97

Results by Sample

SAMPLE ID		MEAN % RECOVERY		SAMPLE # 05		FRACTIONS: A					
				Date & Time Collected		not specified					
						Category QC					
AG	95	AS	96	BA	77	BE	79	CD	74	CO	95
	%	4-23-97	%		%		%		%	4-23-97	%
CR	95	CU	91	NI	97	PB	76	SB	86	SE	94
	4-23-97	%		4-23-97	%		%		%		%
TL	76	V	78	ZN	72						
	%		%		%						

Received: 02/06/97

Results by Sample

SAMPLE ID MEAN % RECOVERY 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>99 %</u>	<u>*</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>110 %</u>	<u>*</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/97

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/06/97

Results by Sample

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

EPA 8260A PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Acetone	*	*		*	*
Acrylonitrile	*	*	Ethylbenzene	*	*
Benzene	80%	*	2-Hexanone	*	*
Bromochloromethane	*	*	Methyl bromide	*	*
Bromodichloromethane	*	*	Methyl chloride	*	*
Bromoform	*	*	Methylene bromide	*	*
Carbon disulfide	*	*	Methylene chloride	*	*
Carbon tetrachloride	*	*	Methyl ethyl ketone	*	*
Chlorobenzene	79%	*	Methyl iodide	*	*
Chloroethane	*	*	4-Methyl-2-pentanone	*	*
Chloroform	*	*	Styrene	*	*
Dibromochloromethane	*	*	1,1,1,2-Tetrachloroethane	*	*
1,2-Dichlorobenzene	*	*	1,1,2,2-Tetrachloroethane	*	*
1,4-Dichlorobenzene	*	*	Tetrachloroethene	*	*
trans-1,4-Dichloro-2-butene	*	*	Toluene	76%	*
1,1-Dichloroethane	*	*	1,1,1-Trichloroethane	*	*
1,2-Dichloroethane	*	*	1,1,2-Trichloroethane	*	*
1,1-Dichloroethene	88%	*	Trichloroethene	76%	*
cis-1,2-Dichloroethene	*	*	Trichlorofluoromethane	*	*
trans-1,2-Dichloroethene	*	*	1,2,3-Trichloropropane	*	*
1,2-Dichloropropane	*	*	Vinyl acetate	*	*
cis-1,3-Dichloropropene	*	*	Vinyl chloride	*	*
trans-1,3-Dichloropropene	*	*	Total xylenes	*	*

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	104%	86 - 118
Toluene-d8	97%	88 - 110
Bromofluorobenzene	105%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 02/13/97ANALYST: CHRINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: %

ND = not detected at detection limit

Received: 02/06/97

Results by Sample

SAMPLE ID <u>RPD</u>		SAMPLE # <u>06</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>not specified</u>		Category <u>QC</u>			
AG <u>0</u>	AS <u>0</u>	BA <u>5.4</u>	BE <u>0</u>	CD <u>0</u>	CO <u>0</u>
%	<u>4-23-97</u> %	%	%	%	<u>4-23-97</u> %
CR <u>0</u>	CU <u>3.3</u>	NI <u>0</u>	PB <u>0</u>	SB <u>19</u>	SE <u>0</u>
<u>4-23-97</u> %	%	<u>4-23-97</u> %	%	%	%
TL <u>0</u>	V <u>0</u>	ZN <u>0</u>			
%	%	%			

Received: 02/06/97

Results by Sample

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

EPA METHOD 504

PARAMETER	RESULT	DETECT LIMIT	CAS NUMBER
ETHYLENE DIBROMIDE (EDB)	<u>4.0 %</u>	<u>*</u>	106-93-4
1,2-DIBROMO-3-CHLOROPROPANE (DBCP)	<u>5.5 %</u>	<u>*</u>	96-12-8

NOTES AND DEFINITIONS FOR THIS REPORT

DATE RUN..... 02/14/97

INSTRUMENT..... HP-2

UNITS..... %

ND = NOT DETECTED AT DETECTION LIMITS

Received: 02/06/97

Results by Sample

SAMPLE ID RPDFRACTION 06ATEST CODE 8260ANAME PURGEABLE ORGANICS VOADate & Time Collected not specifiedCategory QC**EPA 8260A PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Acetone	*	*		*	*
Acrylonitrile	*	*	Ethylbenzene	*	*
Benzene	6.0	*	2-Hexanone	*	*
Bromochloromethane	*	*	Methyl bromide	*	*
Bromodichloromethane	*	*	Methyl chloride	*	*
Bromoform	*	*	Methylene bromide	*	*
Carbon disulfide	*	*	Methylene chloride	*	*
Carbon tetrachloride	*	*	Methyl ethyl ketone	*	*
Chlorobenzene	5.0	*	Methyl iodide	*	*
Chloroethane	*	*	4-Methyl-2-pentanone	*	*
Chloroform	*	*	Styrene	*	*
Dibromochloromethane	*	*	1,1,1,2-Tetrachloroethane	*	*
1,2-Dichlorobenzene	*	*	1,1,2,2-Tetrachloroethane	*	*
1,4-Dichlorobenzene	*	*	Tetrachloroethene	*	*
trans-1,4-Dichloro-2-butene	*	*	Toluene	8.0	*
1,1-Dichloroethane	*	*	1,1,1-Trichloroethane	*	*
1,2-Dichloroethane	*	*	1,1,2-Trichloroethane	*	*
1,1-Dichloroethene	4.0	*	Trichloroethene	7.0	*
cis-1,2-Dichloroethene	*	*	Trichlorofluoromethane	*	*
trans-1,2-Dichloroethene	*	*	1,2,3-Trichloropropane	*	*
1,2-Dichloropropane	*	*	Vinyl acetate	*	*
cis-1,3-Dichloropropene	*	*	Vinyl chloride	*	*
trans-1,3-Dichloropropene	*	*	Total xylenes	*	*

Surrogates	% Recovery	Surrogate Limits
Dibromofluoromethane	104%	86 - 118
Toluene-d8	97%	88 - 110
Bromofluorobenzene	105%	86 - 115

Notes and Definitions for this Report:

DATE RUN: 02/13/97ANALYST: CHRINSTRUMENT: VOA-5972DIL. FACTOR: *1

COMMENTS: _____

UNITS: %

ND = not detected at detection limit



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

DATE: 02/27/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54101 SAMPLE ID- 4MW3A @ CL III
DATE SAMPLED- 02/05/97 LOCATION-
DATE RECEIVED- 02/05/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1600 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1010
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS	
WATER LEVEL	FIELD		02/05/97	1010	CHR	28.10	FEET	
FIELD PH	EPA 150.1		02/05/97	1010	CHR	7.00	STD. UNITS	
FIELD TEMPERATURE	SM2550B		02/05/97	1010	CHR	23.4	DEGREES C	
FIELD CONDUCTIVITY	SM2510B		02/05/97	1010	CHR	388	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G		02/05/97	1010	CHR	0.8	mg/L	
ALKALINITY, BICARB.	EPA310.1		02/05/97	1630	CMM	146	mg/l	
TOT.ORGANIC CARBON	EPA 415.1		02/25/97	1700	IF	2.57	mg/L	
CHLORIDE	EPA 325.3		02/06/97	1120	CMM	39.6	mg/L	
COLOR	EPA 110.2		02/05/97	1600	CMM	15	CPU	
FECAL COLIFORM MF	SM9222D		02/05/97	1620	CEM	<1	MF/100 ml	
AMMONIA NITROGEN	SM4500NH3E		02/06/97	1600	TER	0.29	mg/L	
UN-IONIZED AMMONIA N	DEP SOP		02/12/97	0730	CEM	<0.02	mg/L	
NITRATE	EPA 353.2		02/06/97	1300	IF	<0.11	mg/L	
TOTAL DISS.SOLIDS	EPA160.1		02/05/97	1600	CMM	270	mg/L	
SULFATE	EPA375.4		02/07/97	0900	CMM	2.73	mg/L	
TURBIDITY	EPA180.1		02/05/97	1605	CSC	0.9	NTU	
IRON, TOTAL	236.2	02/07/97	TER	02/07/97	1445	TER	0.25	mg/L
MERCURY, TOTAL	245.1			02/11/97	1000	TER	0.0002	mg/L
SODIUM, TOTAL	273.1	02/07/97	TER	02/07/97	1500	TER	9.26	mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

DATE: 02/27/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54102 SAMPLE ID- 4MWS @ CL III
DATE SAMPLED- 02/05/97 LOCATION-
DATE RECEIVED- 02/05/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1600 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1230
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS	
WATER LEVEL	FIELD		02/05/97	1230	CHR	28.40 FEET	
FIELD PH	EPA 150.1		02/05/97	1230	CHR	7.21 STD. UNITS	
FIELD TEMPERATURE	SM2550B		02/05/97	1230	CHR	23.8 DEGREES C	
FIELD CONDUCTIVITY	SM2510B		02/05/97	1230	CHR	279 umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G		02/05/97	1230	CHR	0.9 mg/L	
ALKALINITY, BICARB.	EPA310.1		02/05/97	1630	CMM	142 mg/l	
TOT.ORGANIC CARBON	EPA 415.1		02/25/97	1700	IF	1.18 mg/L	
CHLORIDE	EPA 325.3		02/06/97	1120	CMM	5.50 mg/L	
COLOR	EPA 110.2		02/05/97	1600	CMM	5 CPU	
FECAL COLIFORM MF	SM9222D		02/05/97	1620	CEM	<1 MF/100 ml	
AMMONIA NITROGEN	SM4500NH3E		02/06/97	1600	TER	0.24 mg/L	
UN-IONIZED AMMONIA N	DEP SOP		02/12/97	0730	CEM	<0.02 mg/L	
NITRATE	EPA 353.2		02/06/97	1300	IF	<0.11 mg/L	
TOTAL DISS.SOLIDS	EPA160.1		02/05/97	1600	CMM	161 mg/L	
SULFATE	EPA375.4		02/07/97	0900	CMM	1.36 mg/L	
TURBIDITY	EPA180.1		02/05/97	1605	CSC	0.8 NTU	
IRON, TOTAL	236.2	02/07/97	TER	02/07/97	1445	TER	0.06 mg/L
MERCURY, TOTAL	245.1			02/11/97	1000	TER	0.0003 mg/L
SODIUM, TOTAL	273.1	02/07/97	TER	02/07/97	1500	TER	3.49 mg/L

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

DATE: 02/27/97
DHRS # 44237, E44123

SAMPLE NUMBER- 54103 SAMPLE ID- 4MW9 @ CL III
DATE SAMPLED- 02/05/97 LOCATION-
DATE RECEIVED- 02/05/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1600 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 1130
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS	
WATER LEVEL	FIELD		02/05/97	1130	CHR	26.63	FEET	
FIELD PH	EPA 150.1		02/05/97	1130	CHR	7.09	STD. UNITS	
FIELD TEMPERATURE	SM2550B		02/05/97	1130	CHR	24.4	DEGREES C	
FIELD CONDUCTIVITY	SM2510B		02/05/97	1130	CHR	313	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G		02/05/97	1130	CHR	0.8	mg/L	
ALKALINITY, BICARB.	EPA310.1		02/05/97	1630	CMM	153	mg/l	
TOT.ORGANIC CARBON	EPA 415.1		02/25/97	1700	IF	1.18	mg/L	
CHLORIDE	EPA 325.3		02/06/97	1120	CMM	10.8	mg/L	
COLOR	EPA 110.2		02/05/97	1600	CMM	5	CPU	
FECAL COLIFORM MF	SM9222D		02/05/97	1620	CEM	<1	MF/100 ml	
AMMONIA NITROGEN	SM4500NH3E		02/06/97	1600	TER	0.08	mg/L	
UN-IONIZED AMMONIA N	DEP SOP		02/12/97	0730	CEM	<0.02	mg/L	
NITRATE	EPA 353.2		02/06/97	1300	IF	<0.11	mg/L	
TOTAL DISS.SOLIDS	EPA160.1		02/05/97	1600	CMM	199	mg/L	
SULFATE	EPA375.4		02/07/97	0900	CMM	1.41	mg/L	
TURBIDITY	EPA180.1		02/05/97	1605	CSC	0.3	NTU	
IRON, TOTAL	236.2	02/07/97	TER	02/07/97	1445	TER	0.06	mg/L
MERCURY, TOTAL	245.1			02/11/97	1000	TER	0.0003	mg/L
SODIUM, TOTAL	273.1	02/07/97	TER	02/07/97	1500	TER	3.80	mg/L

LABORATORY DIRECTOR



Page 1

[illegible]

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

EPA 110.2

CPU

FECAL COLIFORM MF NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

SM92220

MF/100 ml

AMMONIA NITROGEN	54101	0.27	0.29	0.020	7.14	-----	-----	-----	-----
SM4500NH3E	54102	-----	-----	-----	-----	97.80	-----	-----	-----
mg/L									

UN-IONIZED AMMONIA N NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

DEP SOP

mg/L



Page 2

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
NITRATE EPA 353.2 mg/L	53958 54101 54149	<0.11 <0.11 -----	<0.11 <0.11 -----	0.055 0.055 -----	0.00 0.00 -----	----- ----- 94.37	N03 STD N03 STD N03 STD	4.000 4.000 4.000	4.021 3.896 3.997	100.53 97.42 99.94
TOTAL DISS.SOLIDS EPA160.1 mg/L	54101 54102	263 -----	277 -----	14 -----	5.19 -----	----- 101.80	STD STD	293 293	300 284	102.00 96.90
SULFATE EPA375.4 mg/L	53988 54029 54030	16.7 35.3 -----	17.0 34.7 -----	0.30 0.60 -----	1.78 1.71 -----	----- ----- 101.90 ----- -----	STD STD STD STD	20.00 20.00 20.00 20.00	20.12 20.19 19.90 19.81 20.00	100.60 100.90 99.50 99.05 100.00
TURBIDITY EPA180.1 NTU	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
IRON,TOTAL SM3113B mg/L	54145	0.086	0.089	0.0030	3.43	106.70	-----	-----	-----	-----
MERCURY,TOTAL 245.1 mg/L	54147	2.66	2.61	0.050	1.90	97.70	-----	-----	-----	-----



Page 3

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
SODIUM,TOTAL 273.1 mg/L	54145	5.12	5.07	0.050	0.98	99.10	-----	-----	-----	-----



PASCO COUNTY, FLORIDA

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

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: CIII GWM QII 97
DATE: 04/14/97
DHRS # 44237, E44123

SAMPLE NUMBER- 56071 SAMPLE ID- 4MW9
DATE SAMPLED- 04/11/97 LOCATION-
DATE RECEIVED- 04/11/97 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1415 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WA
TIME SAMPLED- 0955
RECEIVED BY- AS

Page 1 of 1

ANALYSIS	METHOD	ANALYSIS			RESULT UNITS
		DATE	TIME	BY	
WATER LEVEL	FIELD	04/11/97	0955	CHR	25.23 FEET
FIELD PH	EPA 150.1	04/11/97	0955	CHR	7.20 STD. UNITS
FIELD TEMPERATURE	SM2550B	04/11/97	0955	CHR	23.3 DEGREES C
FIELD CONDUCTIVITY	SM2510B	04/11/97	0955	CHR	348 umhos/cm
DISSOLVED OXYGEN, FIELD	SM4500-O G	04/11/97	0955	CHR	0.5 mg/L

LABORATORY DIRECTOR

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

Sampling Date/Time: 4/11/97 @ 09:55

Report Period: _____
(Year/Quarter)

Well Type: () Background

() Intermediate

() Compliance

() Other

[illegible]

Page 2 of 2



BROWARD TESTING LABORATORY, LTD.

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



Date: 04/24/97 Report #: 7160193 Laboratory ID #: 86418

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

Date Collected: 04/11/97
Time Collected: 09:55
SOURCE: RESOURCE RECOVERY CLASS I
LANDFILL AND CLASS III LANDFILL
4 MW 9

NEW PORT RICHEY, FL 34654

Date received at lab: 04/14/97
Collected by : C.S.C.

Time received at lab: 02:00

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

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Method Result	MDL	Anal Date
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						
2964	Dichloromethane	5	7160193	ND	502.2 0.5	04/17/97

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

Gary J. Meyer

Gary Meyer, Lab Director



BROWARD TESTING LABORATORY, LTD.

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



Date: 04/24/97 Report #: 7160194 Laboratory ID #: 86418

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

Date Collected: NOT AVAILABLE
Time Collected: NOT AVAILABLE
SOURCE: TRIP BLANK

Date received at lab: 04/14/97 Time received at lab: 02:00

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

Fed Id #	Analysis Performed	MCL (UG/L)	Sample Number	Analysis Method Result	MDL	Anal Date
.....						
Volatile Organic Analysis 62-550.310(2)(b) (PWS028)						
.....						
2964	Dichloromethane	5	7160194	ND	502.2 0.5	04/17/97
.....						

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

Gary J. Meyer

Gary Meyer, Lab Director