



DADE CITY (352) 511-4274
LAND O' LAKES (813) 996-7341
NEW PORT RICHEY (813) 847-8145

13 Oct 1998

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 Landfill
Groundwater Monitoring
Semester II, 1998

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 landfill for the second semester (Jul-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.

Groundwater monitoring well 4MW1 exceeded the MCL for chlorides and subsequently TDS as listed in the attached groundwater exceedence summary table. No resamples were taken for these exceedences since historical data supports these findings. 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

Enc.: 1

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

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Solid Waste Section

RESOURCE RECOVERY FACIL

4051C 00030

PASCO COUNTY, FLORIDA

WACS 45799

2nd SA 1998 G-WMR CLASS I

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

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 GROUND WATER MONITORING REPORT

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: 28 SEPT '98

Candia E. Mulhern
Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

OCT 19 1998

Sample Organization Comp QAP # Solid Waste Section

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

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)

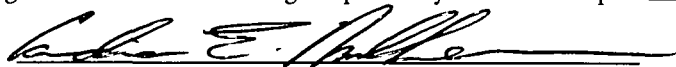
PART I - GENERAL INFORMATION

- (1) Facility Name: Resource Recovery - West Pasco Class I
Address: _____
City, State, Zip: _____
Telephone Number: _____
- (2) The GMS Identification Number: _____
- (3) DEP Permit Number: _____
- (4) Authorized Representative Name: _____
Address: _____
City, State, Zip: _____
Telephone Number: _____
- (5) Type of Discharge: _____
- (6) Method of Discharge: _____

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: 14 SEPT 1998


Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

Analytical Lab Comp QAP #/HRS Certification #910150/E86278: 860214/E87143

Comp QAP #/HRS Certification #

Lab Name: BROWARD TESTING LABORATORY

Address: 4416 NE 11TH AVE FT. LAUDERDALE, FL 33334

Phone Number: (440) 449-2525

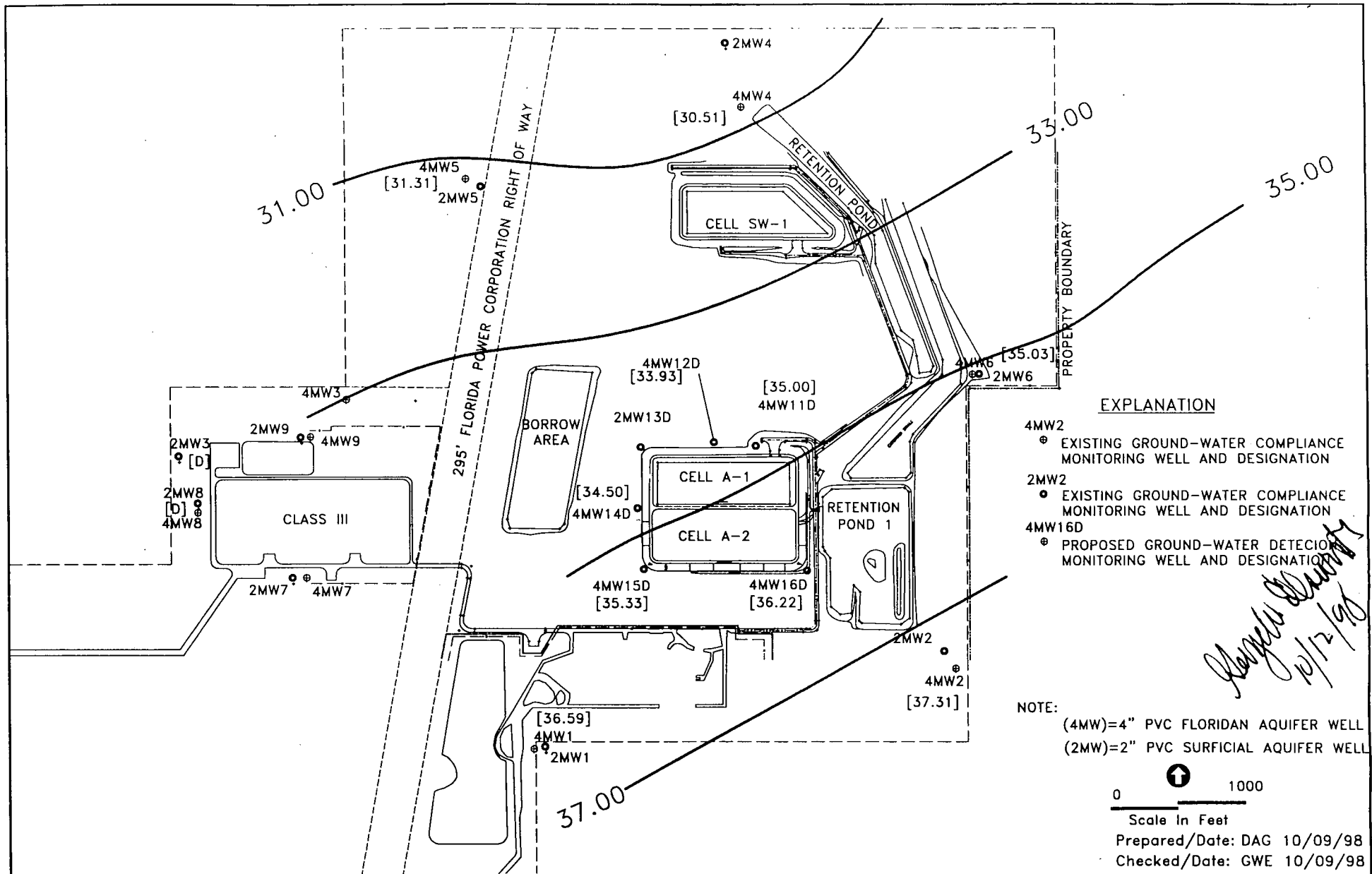
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OCT 19 1998

Solid Waste Section

**WEST PASCO CLASS I LANDFILL
EXCEEDED ANALYTES
SEMESTER II - 1998**

WELL	ANALYTE	RESULT (mg/L)	RESAMPLE (mg/L)
4MW1	CHLORIDE	356	NONE TAKEN
	TDS	1240	NONE TAKEN



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

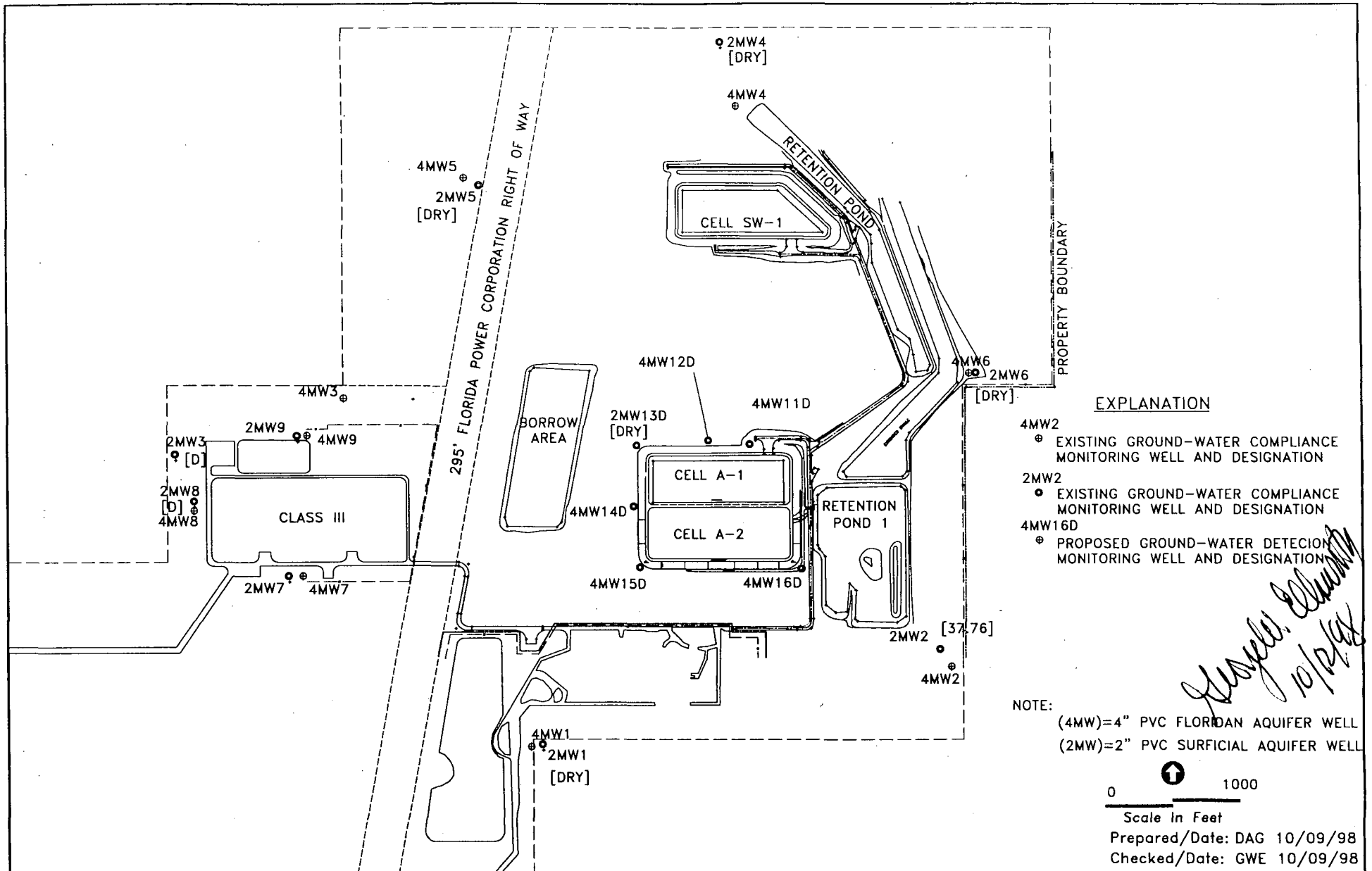


LAW
 ENGINEERING AND ENVIRONMENTAL
 SERVICES

RESOURCE RECOVERY FACILITY
 PASCO COUNTY, FLORIDA
 FLORIDAN AQUIFER POTENTIOMETRIC
 SURFACE MAP
 JULY 1998

Project 40141-5-0869

Figure 1



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



LAW
 ENGINEERING AND ENVIRONMENTAL
 SERVICES

RESOURCE RECOVERY FACILITY
 PASCO COUNTY, FLORIDA
 SURFICIAL AQUIFER WATER TABLE MAP
 JULY 1998

Project 40141-5-0869

Figure 1

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/21/98 @ 1030

Test Site ID #: 4051A16506 Report Period: 1998 / Quarter III
(year/quarter)

Well Name: 2MW-1 Well Purged (Y/N): YES

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B		Dry mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Dry mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		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	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Dry mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Dry mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Dry Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030Sampling Date/Time: 07/07/98 @ 1055Test Site ID #: 4051A16507Report Period: 1998 / Quarter III
(year/quarter)Well Name: 2MW-2Well Purged (Y/N): YESClassification of Groundwater: Surficial

Well Type: () Background

() Intermediate

(XXX) Compliance

() Other

Groundwater Elevation (NGVD): (-A)or (MSL): 37.76

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	2.67 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.06 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0009 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/17/98 1055	6.13 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/17/98 1055	23.50 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/17/98 1055	105 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/17/98 1055	4.80 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/17/98 1500	0.58 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/20/98 1100	5.27 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/20/98 0900	101 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/21/98 1600	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	9.93 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/17/98 1055	37.76 Feet	Feet

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*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

 Sampling Date/Time: 07/17/98 @ 10:55

Test Site ID #: _____

 Report Period: _____
 (Year/Quarter)

 WELL NAME: 2MW2

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
01097	Antimony			EPA 200.7	07/27/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/27/98	<0.005	0.005
01007	Barium			EPA 200.7	07/27/98	0.130	0.005
01012	Beryllium			EPA 200.7	07/27/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/27/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/27/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/27/98	<0.005	0.005
01042	Copper			EPA 200.7	07/27/98	0.007	0.005
01051	Lead			EPA 200.7	07/27/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/27/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/27/98	<0.005	0.005
01077	Silver			EPA 200.7	07/27/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/27/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/27/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/27/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 2MW2

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	07/30/98	< 10	10
34215	Acrylonitrile			EPA 8260B	07/30/98	< 10	10
34235	Benzene			EPA 8260B	07/30/98	< 1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/30/98	< 5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/30/98	< 5.0	5.0
32104	Bromoform			EPA 8260B	07/30/98	< 5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/30/98	< 5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/30/98	< 3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/30/98	< 5.0	5.0
34311	Chloroethane			EPA 8260B	07/30/98	< 5.0	5.0
32106	Chloroform			EPA 8260B	07/30/98	< 5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/30/98	< 5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/28/98	< 0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/28/98	< 0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/30/98	< 5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/30/98	< 5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/30/98	< 10	10
34496	1,1-Dichloroethane			EPA 8260B	07/30/98	< 5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/30/98	< 3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/30/98	< 5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/30/98	< 5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/30/98	< 5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/30/98	< 5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/30/98	< 5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/30/98	< 5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/30/98	< 5.0	5.0
77103	2-Hexanone			EPA 8260B	07/30/98	< 10	10
34413	Methyl bromide			EPA 8260B	07/30/98	< 5.0	5.0

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 8260B	07/30/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	07/30/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	07/30/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/30/98	<10	10
49262	Methyl iodide			EPA 8260B	07/30/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/30/98	<10	10
77128	Styrene			EPA 8260B	07/30/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/30/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/30/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/30/98	<3.0	3.0
78131	Toluene			EPA 8260B	07/30/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/30/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/30/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	07/30/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/30/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/30/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/30/98	<10	10
39175	Vinyl chloride			EPA 8260B	07/30/98	<1.0	1.0
81551	Xylenes			EPA 8260B	07/30/98	<5.0	5.0

Received: 07/21/98

Results by Sample

SAMPLE ID <u>2MW2</u>				SAMPLE # <u>02</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>07/17/98 10:55:00</u> Category <u>WATER</u>							
AG	<u>ND</u>	AS	<u>ND</u>	BA	<u>0.130</u>	BE	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004
CD	<u>ND</u>	CO	<u>ND</u>				
mg/L	DL=0.005	mg/L	DL=0.005				
CR	<u>ND</u>	CJ	<u>0.007</u>	DBCP	<u>ND</u>	EDB	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02
NI	<u>ND</u>	PB	<u>ND</u>				
mg/L	DL=0.005	mg/L	DL=0.005				
SB	<u>ND</u>	SE	<u>ND</u>	TL	<u>ND</u>	V	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005
ZN	<u>ND</u>						
mg/L	DL=0.100						

Received: 07/21/98

Results by Sample

SAMPLE ID 2MW2FRACTION 02ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/17/98 10:55:00Category WATER**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropene	ND	5.0
2-2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 07/30/98ANALYST XLINSTRUMENT BDIL. FACTOR 1UNITS ug/L

COMMENTS _____

ND = Not detected at detection limit

Received: 07/21/98

Results by Sample

SAMPLE ID 2442FRACTION 02ATEST CODE GENERICNAME GENERIC TEST METHODDate & Time Collected 07/17/98 10:55:00Category WATER**SPECIAL TEST REPORT**

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 07/30/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/21/98 @ 1115

Test Site ID #: 4051A16511

Report Period: 1998 / Quarter III
(year/quarter)

Well Name: 4MW-1

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD):

or (MSL): 36.59

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	97.3 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.06 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0007 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B	07/21/98 1115	7.12 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/21/98 1115	24.00 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/21/98 1115	1425 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/21/98 1115	0.90 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/21/98 1445	0.60 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/27/98 1100	356 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/22/98 1530	1,240 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/21/98 1600	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	1.22 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/21/98 1115	36.59 Feet	Feet

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*Attach Laboratory Reports

OCT 1 8 1998

Solid Waste Section

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mo/s081402(3)

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 07/21/98 @ 11:15

Test Site ID #: _____

Report Period: _____
(Year/Quarter)

WELL NAME: 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
01097	Antimony			EPA 200.7	07/27/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/27/98	<0.005	0.005
01007	Barium			EPA 200.7	07/27/98	0.049	0.005
01012	Beryllium			EPA 200.7	07/27/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/27/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/27/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/27/98	<0.005	0.005
01042	Copper			EPA 200.7	07/27/98	<0.005	0.005
01051	Lead			EPA 200.7	07/27/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/27/98	0.006	0.005
01147	Selenium			EPA 200.7	07/27/98	<0.005	0.005
01077	Silver			EPA 200.7	07/27/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/27/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/27/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/27/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW1

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	08/03/98	<10	10
34215	Acrylonitrile			EPA 8260B	08/03/98	<10	10
34235	Benzene			EPA 8260B	08/03/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	08/03/98	<5.0	5.0
32104	Bromoform			EPA 8260B	08/03/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	08/03/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	08/03/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	08/03/98	<5.0	5.0
32106	Chloroform			EPA 8260B	08/03/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/28/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/28/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	08/03/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	08/03/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	08/03/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	08/03/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	08/03/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	08/03/98	<10	10
34413	Methyl bromide			EPA 8260B	08/03/98	<5.0	5.0

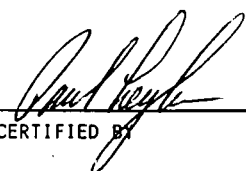
PART III - ANALYTICAL RESULTS (Continued) 4MW1

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 8260B	08/03/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	08/03/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	08/03/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	08/03/98	<10	10
49262	Methyl iodide			EPA 8260B	08/03/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	08/03/98	<10	10
77128	Styrene			EPA 8260B	08/03/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	08/03/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	08/03/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	08/03/98	<3.0	3.0
78131	Toluene			EPA 8260B	08/03/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	08/03/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	08/03/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	08/03/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	08/03/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	08/03/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	08/03/98	<10	10
39175	Vinyl chloride			EPA 8260B	08/03/98	<1.0	1.0
81551	Xylenes			EPA 8260B	08/03/98	<5.0	5.0

Received: 07/23/98

09/15/98 13:39:57

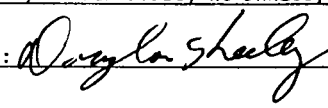
REPORT NATIONAL TESTING LABORATORIES
TO 6555 WILSON MILLS RD
CLEVELAND OHIO 44143
800-458-3330; FAX: 440-449-8585

ATTEN ROSE STIBILAPREPARED TOXIKON CORPORATIONBY 15 WIGGINS AVEBEDFORD, MA 01730ATTEN PAUL LEZBERGPHONE (617) 275-3330CERTIFIED BY CONTACT MARKETINGCLIENT N T L SAMPLES 2COMPANY NATIONAL TESTING LABORATORIESFACILITY 6555 WILSON MILLS RDCLEVELAND OHIO 44143WORK ID PASCO COUNTY UTILITIES LABTAKEN 7/21/98

TRANS _____

TYPE WATER

P.O. # _____

INV. # 064995MA CERT # M-MA064: TRACE METALS, SULFATE, CYANIDE, RES. FREECHLORINE, Ca, TOTAL ALK., TDS, pH, THMs, VOC, PEST., NUTRIENTS.DEMAND. O&G, PHENOLICS, PCBs . CT DHS #PH-0563, NY #10778FL HRS E87143, NJ DEP 59538, NC DNR286, SC 88002, NH 204091-C.VERIFIED BY: 

Previously Reported on 08/10/98.

SAMPLE IDENTIFICATION

01 4MW102 4MW16

TEST CODES and NAMES used on this workorder

8260NH PURGEABLE ORGANICS VOA
AG SILVER
AS ARSENIC
BA BARIUM
BE BERYLLIUM
CD CADMIUM
CO COBALT
CR CHROMIUM
CU COPPER
DBCP DBCP
EDB Ethylene Dibromide
GENERC GENERIC TEST METHOD
MEXTRC METALS, TOT WATER EXT. TRACE
NI NICKEL
PB LEAD
SB ANTIMONY
SE SELENIUM
TL THALLIUM
V VANADIUM
ZN ZINC

Received: 07/23/98

Results by Sample

SAMPLE ID <u>4MW1</u>				SAMPLE # <u>01</u> FRACTIONS: <u>A</u>			
				Date & Time Collected <u>07/21/98 11:15:00</u> Category <u>WATER</u>			
AG	ND	AS	ND	BA	0.049	BE	ND
mg/L DL=0.005		mg/L DL=0.005		mg/L DL=0.005		mg/L DL=0.004	
CD	ND	CO	ND	CR	ND	CU	ND
mg/L DL=0.005		mg/L DL=0.005		mg/L DL=0.005		mg/L DL=0.005	
DBCP	ND	EDB	ND	NI	0.006	PB	ND
ug/L DL=0.02		ug/L DL=0.02		mg/L DL=0.005		mg/L DL=0.005	
SB	ND	SE	ND	TL	ND	V	ND
mg/L DL=0.005		mg/L DL=0.005		mg/L DL=0.002		mg/L DL=0.005	
ZN	ND						
mg/L DL=0.100							

Metals Method EPA 200.7

Metals Analyzed on 7/27/98

EDB, DBCP analyzed on 7/28/98

per Ron Stiboli
per Paul Leysberg

Received: 07/23/98

Results by Sample

SAMPLE ID 4MW1FRACTION 01ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/21/98 11:15:00Category WATEREPA 8260 PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromoethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropene	ND	5.0
2-2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 08/03/98

ANALYST XL

INSTRUMENT B

DIL. FACTOR 1

UNITS ug/L

COMMENTS

ND = Not detected at detection limit

Received: 07/23/98

Results by Sample

SAMPLE ID 4MW1 FRACTION 01A TEST CODE GENERC NAME GENERIC TEST METHOD
Date & Time Collected 07/21/98 11:15:00 Category WATER

SPECIAL TEST REPORT

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 08/03/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/17/98 @ 1030

Test Site ID #: 4051A16512

Report Period: 1998 / Quarter III

(year/quarter)

Well Name: 4MW-2

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

Well Type: () Background

() Intermediate

(XXX) Compliance

() Other

Groundwater Elevation (NGVD):

or (MSL): 37.31

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel. Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	2.70 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.05 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0009 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/17/98 1030	7.41 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/17/98 1030	23.90 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/17/98 1030	165 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/17/98 1030	1.40 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/17/98 1500	0.45 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/20/98 1100	4.65 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/20/98 0900	96 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/21/98 1600	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	0.96 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/17/98 1030	37.31 Feet	Feet

UNCORRECTED

CST 1 & 1998

*Attach Laboratory Reports

Solid Waste Section

Page 2 of 2

mo/s081402(4)

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 07/17/98 @ 10:30

Test Site ID #: _____

 Report Period: _____
 (Year/Quarter)

WELL NAME: 4MW2

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
01097	Antimony			EPA 200.7	07/27/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/27/98	0.005	0.005
01007	Barium			EPA 200.7	07/27/98	0.009	0.005
01012	Beryllium			EPA 200.7	07/27/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/27/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/27/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/27/98	<0.005	0.005
01042	Copper			EPA 200.7	07/27/98	<0.005	0.005
01051	Lead			EPA 200.7	07/27/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/27/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/27/98	<0.005	0.005
01077	Silver			EPA 200.7	07/27/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/27/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/27/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/27/98	<0.100	0.100

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	07/30/98	< 10	10
34215	Acrylonitrile			EPA 8260B	07/30/98	< 10	10
34235	Benzene			EPA 8260B	07/30/98	< 1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/30/98	< 5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/30/98	< 5.0	5.0
32104	Bromoform			EPA 8260B	07/30/98	< 5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/30/98	< 5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/30/98	< 3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/30/98	< 5.0	5.0
34311	Chloroethane			EPA 8260B	07/30/98	< 5.0	5.0
32106	Chloroform			EPA 8260B	07/30/98	< 5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/30/98	< 5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/28/98	< 0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/28/98	< 0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/30/98	< 5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/30/98	< 5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/30/98	< 10	10
34496	1,1-Dichloroethane			EPA 8260B	07/30/98	< 5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/30/98	< 3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/30/98	< 5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/30/98	< 5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/30/98	< 5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/30/98	< 5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/30/98	< 5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/30/98	< 5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/30/98	< 5.0	5.0
77103	2-Hexanone			EPA 8260B	07/30/98	< 10	10
34413	Methyl bromide			EPA 8260B	07/30/98	< 5.0	5.0

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 8260B	07/30/98	< 5.0	5.0
77596	Methylene bromide			EPA 8260B	07/30/98	< 5.0	5.0
34423	Methylene chloride			EPA 8260B	07/30/98	< 5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/30/98	< 10	10
49262	Methyl iodide			EPA 8260B	07/30/98	< 10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/30/98	< 10	10
77128	Styrene			EPA 8260B	07/30/98	< 5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/30/98	< 5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/30/98	< 5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/30/98	< 3.0	3.0
78131	Toluene			EPA 8260B	07/30/98	< 5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/30/98	< 5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/30/98	< 5.0	5.0
34485	Trichloroethene			EPA 8260B	07/30/98	< 3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/30/98	< 5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/30/98	< 5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/30/98	< 10	10
39175	Vinyl chloride			EPA 8260B	07/30/98	< 1.0	1.0
81551	Xylenes			EPA 8260B	07/30/98	< 5.0	5.0

Received: 07/21/98

08/03/98 16:26:17

REPORT NATIONAL TESTING LABORATORIES PREPARED TOXIKON CORPORATION
TO 6555 WILSON MILLS RD BY 15 WIGGINS AVE
CLEVELAND OHIO 44143 BEDFORD, MA 01730
800-458-3330; FAX: 440-449-8585
ATTEN ROSE STIBILA ATTN PAUL LEZBERG
PHONE (617)275-3330 CONTACT MARKETING

CLIENT N T L SAMPLES 4
COMPANY NATIONAL TESTING LABORATORIES MA CERT # M-MA064: TRACE METALS, SULFATE, CYANIDE, RES. FREE
FACILITY 6555 WILSON MILLS RD CHLORINE, Ca, TOTAL ALK., TDS, pH, THMs, VOC, PEST., NUTRIENTS.
CLEVELAND OHIO 44143 DEMAND. O&G, PHENOLICS, PCBs . CT DHS #PH-0563, NY #10778
FL HRS E87143, NJ DEP 59538, NC DNR286, SC 88002, NH 204091-C.

WORK ID PASCO COUNTY UTILITIES LAB
TAKEN 7/17/98 VERIFIED BY: Susan E. Theis
TRANS _____
TYPE WATER
P.O. # _____
INVOICE under separate cover

SAMPLE IDENTIFICATION

01 4MW2
02 2MW2
03 4MW4
04 4MW5

TEST CODES and NAMES used on this workorder

8260NH PURGEABLE ORGANICS VOA
AG SILVER
AS ARSENIC
BA BARIUM
BE BERYLLIUM
CD CADMIUM
CO COBALT
CR CHROMIUM
CU COPPER
DBCP DBCP
EDB Ethylene Dibromide
GENERC GENERIC TEST METHOD
MEXTRC METALS, TOT WATER EXT. TRACE
NI NICKEL
PB LEAD
SB ANTIMONY
SE SELENIUM
TL THALLIUM
V VANADIUM
ZN ZINC

Received: 07/21/98

Results by Sample

SAMPLE ID <u>4MW2</u>		SAMPLE # <u>01</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>07/17/98 10:30:00</u> Category <u>WATER</u>					
AG	<u>ND</u>	AS	<u>0.005</u>	BA	<u>0.009</u>
mg/L DL=0.005		mg/L DL=0.005		mg/L DL=0.004	
				CD	<u>ND</u>
				mg/L DL=0.005	
				CO	<u>ND</u>
				mg/L DL=0.005	
CR	<u>ND</u>	CU	<u>ND</u>	DBCP	<u>ND</u>
mg/L DL=0.005		mg/L DL=0.005		ug/L DL=0.02	
				EDB	<u>ND</u>
				ug/L DL=0.02	
				NI	<u>ND</u>
				mg/L DL=0.005	
				PB	<u>ND</u>
				mg/L DL=0.005	
SB	<u>ND</u>	SE	<u>ND</u>	TL	<u>ND</u>
mg/L DL=0.005		mg/L DL=0.005		mg/L DL=0.002	
				V	<u>ND</u>
				mg/L DL=0.005	
				ZN	<u>ND</u>
				mg/L DL=0.100	

Received: 07/21/98

Results by Sample

SAMPLE ID 4442FRACTION 01ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/17/98 10:30:00Category WATER**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2-2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 07/30/98ANALYST XLINSTRUMENT BDIL. FACTOR 1UNITS ug/L

COMMENTS _____

ND = Not detected at detection limit

Received: 07/21/98

Results by Sample

SAMPLE ID 4WJ2FRACTION 01ATEST CODE GENERCNAME GENERIC TEST METHODDate & Time Collected 07/17/98 10:30:00Category WATER**SPECIAL TEST REPORT**

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 07/30/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/17/98 @ 1220

Test Site ID #: 4051A16508

Report Period: 1998 / 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	Wel Wiz. Ded. Mon. System	No	SM 3111B		Dry mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Dry mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		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	0.0 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 4500CI-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Dry mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Dry mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Dry Feet	Feet

RECEIVED

OCT 1 1998

Solid Waste Section

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/17/98 @ 1215

Test Site ID #: 4051A16513

Report Period: 1998 / Quarter III
(year/quarter)

Well Name: 4MW-4

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD):

or (MSL): 30.51

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	3.21 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.17 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0008 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/17/98 1215	6.95 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/17/98 1215	24.30 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/17/98 1215	300 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/17/98 1215	1.90 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/17/98 1500	3.19 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/20/98 1100	12.5 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/20/98 0900	170 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/21/98 1600	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	0.44 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/17/98 1215	30.51 Feet	Feet

RECEIVED

OCT 13 1998

Solid Waste Section

*Attach Laboratory Reports

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 07/17/98 @ 12:15

Test Site ID #: _____

 Report Period: _____
 (Year/Quarter)

WELL NAME: 4MW4

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
01097	Antimony			EPA 200.7	07/27/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/27/98	<0.005	0.005
01007	Barium			EPA 200.7	07/27/98	0.012	0.005
01012	Beryllium			EPA 200.7	07/27/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/27/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/27/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/27/98	<0.005	0.005
01042	Copper			EPA 200.7	07/27/98	0.009	0.005
01051	Lead			EPA 200.7	07/27/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/27/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/27/98	<0.005	0.005
01077	Silver			EPA 200.7	07/27/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/27/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/27/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/27/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW4

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	07/31/98	< 10	10
34215	Acrylonitrile			EPA 8260B	07/31/98	< 10	10
34235	Benzene			EPA 8260B	07/31/98	< 1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/31/98	< 5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/31/98	< 5.0	5.0
32104	Bromoform			EPA 8260B	07/31/98	< 5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/31/98	< 5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/31/98	< 3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/31/98	< 5.0	5.0
34311	Chloroethane			EPA 8260B	07/31/98	< 5.0	5.0
32106	Chloroform			EPA 8260B	07/31/98	< 5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/31/98	< 5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/28/98	< 0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/28/98	< 0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/31/98	< 5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/31/98	< 5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/31/98	< 10	10
34496	1,1-Dichloroethane			EPA 8260B	07/31/98	< 5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/31/98	< 3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/31/98	< 5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/31/98	< 5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/31/98	< 5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/31/98	< 5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/31/98	< 5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/31/98	< 5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/31/98	< 5.0	5.0
77103	2-Hexanone			EPA 8260B	07/31/98	< 10	10
34413	Methyl bromide			EPA 8260B	07/31/98	< 5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW4

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 8260B	07/31/98	< 5.0	5.0
77596	Methylene bromide			EPA 8260B	07/31/98	< 5.0	5.0
34423	Methylene chloride			EPA 8260B	07/31/98	< 5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/31/98	< 10	10
49262	Methyl iodide			EPA 8260B	07/31/98	< 10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/31/98	< 10	10
77128	Styrene			EPA 8260B	07/31/98	< 5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/31/98	< 5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/31/98	< 5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/31/98	< 3.0	3.0
78131	Toluene			EPA 8260B	07/31/98	< 5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/31/98	< 5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/31/98	< 5.0	5.0
34485	Trichloroethene			EPA 8260B	07/31/98	< 3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/31/98	< 5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/31/98	< 5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/31/98	< 10	10
39175	Vinyl chloride			EPA 8260B	07/31/98	< 1.0	1.0
81551	Xylenes			EPA 8260B	07/31/98	< 5.0	5.0

Received: 07/21/98

Results by Sample

SAMPLE ID <u>4MW4</u>				SAMPLE # <u>03</u> FRACTIONS: <u>A</u>							
Date & Time Collected <u>07/17/98 12:15:00</u> Category <u>WATER</u>											
AG	<u>ND</u>	AS	<u>ND</u>	BA	<u>0.012</u>	BE	<u>ND</u>	CD	<u>ND</u>	CO	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	<u>ND</u>	CU	<u>0.009</u>	DBCP	<u>ND</u>	EDB	<u>ND</u>	NI	<u>ND</u>	PB	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	<u>ND</u>	SE	<u>ND</u>	TL	<u>ND</u>	V	<u>ND</u>	ZN	<u>ND</u>		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

Received: 07/21/98

Results by Sample

SAMPLE ID 4MM4FRACTION 03A TEST CODE 8260NH NAME PURGEABLE ORGANICS VOADate & Time Collected 07/17/98 12:15:00Category WATER**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 07/31/98

ANALYST XL

INSTRUMENT _____ B

DIL. FACTOR 1UNITS ug/L

COMMENTS _____

ND = Not detected at detection limit

Page 10
Received: 07/21/98

TOXIKOM CORP. REPORT
Results by Sample

Work Order # 98-07-387

SAMPLE ID 4MW4 FRACTION 03A TEST CODE GENERC NAME GENERIC TEST METHOD
Date & Time Collected 07/17/98 12:15:00 Category WATER

SPECIAL TEST REPORT

ANALYTE	RESULT	REPORTING LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...
DATE RUN.... 07/31/98
ANALYST..... XL
EPA METHOD.. 8260B
UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/17/98 @ 1230

Test Site ID #: 4051A16509 Report Period: 1998 / Quarter III
(year/quarter)

Well Name: 2MW-5 Well Burged (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	Wel Wiz. Ded. Mon. System	No	SM 3111B		Dry mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Dry mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		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	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Dry mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Dry mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Dry Feet	Feet

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mo/s081402(7)

Solid Waste Section

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/17/98 @ 1330

Test Site ID #: 4051A16514

Report Period: 1998 / Quarter III
(year/quarter)

Well Name: 4MW-5

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD):

or (MSL): 31.31

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	8.22 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.05 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0006 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/17/98 1330	7.24 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/17/98 1330	25.00 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/17/98 1330	420 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/17/98 1330	1.50 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/17/98 1500	0.25 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/20/98 1100	55.6 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/20/98 0900	316 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/21/98 1600	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	1.08 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/17/98 1330	31.31 Feet	Feet

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Solid Waste Section

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PART III - ANALYTICAL RESULTS

Facility GMS #: _____

 Sampling Date/Time: 07/17/98 @ 13:30

Test Site ID #: _____

Report Period: _____

(Year/Quarter)

 WELL NAME: 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
01097	Antimony			EPA 200.7	07/27/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/27/98	<0.005	0.005
01007	Barium			EPA 200.7	07/27/98	0.012	0.005
01012	Beryllium			EPA 200.7	07/27/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/27/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/27/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/27/98	<0.005	0.005
01042	Copper			EPA 200.7	07/27/98	<0.005	0.005
01051	Lead			EPA 200.7	07/27/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/27/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/27/98	<0.005	0.005
01077	Silver			EPA 200.7	07/27/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/27/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/27/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/27/98	<0.100	0.100

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	07/31/98	<10	10
34215	Acrylonitrile			EPA 8260B	07/31/98	<10	10
34235	Benzene			EPA 8260B	07/31/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/31/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/31/98	<5.0	5.0
32104	Bromoform			EPA 8260B	07/31/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/31/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/31/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/31/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	07/31/98	<5.0	5.0
32106	Chloroform			EPA 8260B	07/31/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/31/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/28/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/28/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/31/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/31/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/31/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	07/31/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/31/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/31/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/31/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/31/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/31/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/31/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/31/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/31/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	07/31/98	<10	10
34413	Methyl bromide			EPA 8260B	07/31/98	<5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW5

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 8260B	07/31/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	07/31/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	07/31/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/31/98	<10	10
49262	Methyl iodide			EPA 8260B	07/31/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/31/98	<10	10
77128	Styrene			EPA 8260B	07/31/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/31/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/31/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/31/98	<3.0	3.0
78131	Toluene			EPA 8260B	07/31/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/31/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/31/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	07/31/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/31/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/31/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/31/98	<10	10
39175	Vinyl chloride			EPA 8260B	07/31/98	<1.0	1.0
81551	Xylenes			EPA 8260B	07/31/98	<5.0	5.0

Received: 07/21/98

Results by Sample

SAMPLE ID <u>4MW5</u>				SAMPLE # <u>04</u> FRACTIONS: <u>A</u>			
Date & Time Collected <u>07/17/98 13:30:00</u> Category <u>WATER</u>							
AG	<u>ND</u>	AS	<u>ND</u>	BA	<u>0.012</u>	BE	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004
CD	<u>ND</u>	CO	<u>ND</u>	CR	<u>ND</u>	CU	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02
DBCP	<u>ND</u>	EDB	<u>ND</u>	NI	<u>ND</u>	PB	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005
SB	<u>ND</u>	SE	<u>ND</u>	TL	<u>ND</u>	V	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005
ZN	<u>ND</u>						
mg/L	DL=0.100						

Received: 07/21/98

Results by Sample

SAMPLE ID 4MW5FRACTION 04ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/17/98 13:30:00Category WATER**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropene	ND	5.0
2-2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 07/31/98

ANALYST XLINSTRUMENT BDIL. FACTOR 1UNITS ug/L

COMMENTS _____

ND = Not detected at detection limit

Received: 07/21/98

Results by Sample

SAMPLE ID 4MVSFRACTION 04A TEST CODE GENERC NAME GENERIC TEST METHODDate & Time Collected 07/17/98 13:30:00Category WATER**SPECIAL TEST REPORT**

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 07/31/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/16/98 @ 1130

Test Site ID #: 4051A16510 Report Period: 1998 / Quarter III
(year/quarter)

Well Name: 2MW-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	Wel Wiz. Ded. Mon. System	No	SM 3111B		Dry mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Dry mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		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	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Dry mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Dry mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Dry Feet	Feet

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PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/16/98 @ 1200

Test Site ID #: 4051A16515

Report Period: 1998 / Quarter III
(year/quarter)

Well Name: 4MW-6

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD):

or (MSL): 35.03

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B	07/17/98 1440	3.02 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	07/17/98 1420	<0.02 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0008 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/16/98 1200	7.68 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/16/98 1200	24.80 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/16/98 1200	135 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/16/98 1200	2.90 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/16/98 1500	0.27 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B	07/17/98 1300	11.4 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/22/98 1500	99 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/21/98 1600	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/17/98 1600	0.56 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/16/98 1200	35.03 Feet	Feet

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PART III.- ANALYTICAL RESULTS

Facility GMS #: _____

 Sampling Date/Time: 07/16/98 @ 12:00

Test Site ID #: _____

 Report Period: _____
 (Year/Quarter)

 WELL NAME: 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		μmhos/cm	μmhos/cm
01097	Antimony			EPA 200.7	07/22/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/22/98	<0.005	0.005
01007	Barium			EPA 200.7	07/22/98	0.008	0.005
01012	Beryllium			EPA 200.7	07/22/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/22/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/22/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/22/98	<0.005	0.005
01042	Copper			EPA 200.7	07/22/98	<0.005	0.005
01051	Lead			EPA 200.7	07/22/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/22/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/22/98	<0.005	0.005
01077	Silver			EPA 200.7	07/22/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/22/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/22/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/22/98	<0.100	0.100

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	07/28/98	<10	10
34215	Acrylonitrile			EPA 8260B	07/28/98	<10	10
34235	Benzene			EPA 8260B	07/28/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	07/28/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	07/28/98	<5.0	5.0
32104	Bromoform			EPA 8260B	07/28/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	07/28/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	07/28/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	07/28/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	07/28/98	<5.0	5.0
32106	Chloroform			EPA 8260B	07/28/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	07/28/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/27/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/27/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	07/28/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	07/28/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	07/28/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	07/28/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	07/28/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	07/28/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	07/28/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	07/28/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	07/28/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	07/28/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	07/28/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	07/28/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	07/28/98	<10	10
34413	Methyl bromide			EPA 8260B	07/28/98	<5.0	5.0

PART III.- ANALYTICAL RESULTS (Continued) 4MW6

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 8260B	07/28/98	< 5.0	5.0
77596	Methylene bromide			EPA 8260B	07/28/98	< 5.0	5.0
34423	Methylene chloride			EPA 8260B	07/28/98	< 5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	07/28/98	< 10	10
49262	Methyl iodide			EPA 8260B	07/28/98	< 10	10
78133	4-Methyl-2-pentanone			EPA 8260B	07/28/98	< 10	10
77128	Styrene			EPA 8260B	07/28/98	< 5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	07/28/98	< 5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	07/28/98	< 5.0	5.0
34476	Tetrachloroethene			EPA 8260B	07/28/98	< 3.0	3.0
78131	Toluene			EPA 8260B	07/28/98	< 5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	07/28/98	< 5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	07/28/98	< 5.0	5.0
34485	Trichloroethene			EPA 8260B	07/28/98	< 3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	07/28/98	< 5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	07/28/98	< 5.0	5.0
77057	Vinyl acetate			EPA 8260B	07/28/98	< 10	10
39175	Vinyl chloride			EPA 8260B	07/28/98	< 1.0	1.0
81551	Xylenes			EPA 8260B	07/28/98	< 5.0	5.0

Received: 07/18/98

Results by Sample

SAMPLE ID <u>4MW6</u>		SAMPLE # <u>05</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>07/16/98 12:00:00</u> Category <u>LEACHATE</u>					
AG	<u>ND</u>	AS	<u>ND</u>	BA	<u>0.008</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005
BE	<u>ND</u>	CD	<u>ND</u>	CO	<u>ND</u>
mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	<u>ND</u>	CU	<u>ND</u>	DBCP	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02
EDB	<u>ND</u>	NI	<u>ND</u>	PB	<u>ND</u>
ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	<u>ND</u>	SE	<u>ND</u>	TL	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002
V	<u>ND</u>	ZN	<u>ND</u>		
mg/L	DL=0.005	mg/L	DL=0.100		

Received: 07/18/98

Results by Sample

SAMPLE ID 4MM6FRACTION 05ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/16/98 12:00:00Category LEACHATE**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromomethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 07/28/98

ANALYST XLINSTRUMENT BDIL. FACTOR 1UNITS ug/L

COMMENTS _____

ND = Not detected at detection limit

Received: 07/18/98

Results by Sample

SAMPLE ID 4MW6FRACTION 05ATEST CODE GENERCNAME GENERIC TEST METHODDate & Time Collected 07/16/98 12:00:00Category LEACHATE**SPECIAL TEST REPORT**

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 07/28/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/22/98 @ 1055

Test Site ID #: _____ Report Period: 1998 / Semester III
(year/quarter)

Well Name: 2MW-13D Well Purged (Y/N): YES

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B		Dry mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Dry mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Dry mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		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	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Dry mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Dry NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Dry mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Dry mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Dry mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Dry mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Dry Feet	Feet
900216	Color	"	"	SM 2120B		Dry PCU	0.0 PCU

RECEIVED

*Attach Laboratory Reports **OCT 1 8 1998**

PART II ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/22/98 @ 0930

Test Site ID #: _____ Report Period: 1998 / Semester III
(year/quarter)

Well Name: 4MW-11D Well Purged (Y/N): YES

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

Groundwater Elevation (NGVD): _____
or (MSL): 35.00

7708

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel. Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	3.83 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.14 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0009 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B	07/22/95 0930	7.45 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/22/95 0930	25.60 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/22/95 0930	305 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/22/95 0930	1.20 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/22/98 1445	2.10 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/27/98 1100	11.1 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/22/98 1530	275 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/31/98 1500	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	0.30 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/22/98 0930	35.00 Feet	Feet
900216	Color	"	"	SM 2120B	07/22/98 1530	12 PCU	0.0 PCU

RECEIVED

*Attach Laboratory Reports

OCT 1 9 1998

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

 Sampling Date/Time: 07/22/98 @ 09:30

Test Site ID #: _____

Report Period: _____

(Year/Quarter)

 WELL NAME: 4MW11-D

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
01097	Antimony			EPA 200.7	07/31/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/31/98	<0.005	0.005
01007	Barium			EPA 200.7	07/31/98	0.011	0.005
01012	Beryllium			EPA 200.7	07/31/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/31/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/31/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/31/98	<0.005	0.005
01042	Copper			EPA 200.7	07/31/98	<0.005	0.005
01051	Lead			EPA 200.7	07/31/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/31/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/31/98	<0.005	0.005
01077	Silver			EPA 200.7	07/31/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/31/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/31/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/31/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW11-D

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	08/03/98	<10	10
34215	Acrylonitrile			EPA 8260B	08/03/98	<10	10
34235	Benzene			EPA 8260B	08/03/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	08/03/98	<5.0	5.0
32104	Bromoform			EPA 8260B	08/03/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	08/03/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	08/03/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	08/03/98	<5.0	5.0
32106	Chloroform			EPA 8260B	08/03/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	08/05/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	08/05/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	08/03/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	08/03/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	08/03/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	08/03/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	08/03/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	08/03/98	<10	10
34413	Methyl bromide			EPA 8260B	08/03/98	<5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW11-D

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 8260B	08/03/98	< 5.0	5.0
77596	Methylene bromide			EPA 8260B	08/03/98	< 5.0	5.0
34423	Methylene chloride			EPA 8260B	08/03/98	< 5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	08/03/98	< 10	10
49262	Methyl iodide			EPA 8260B	08/03/98	< 10	10
78133	4-Methyl-2-pentanone			EPA 8260B	08/03/98	< 10	10
77128	Styrene			EPA 8260B	08/03/98	< 5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34516	1,1,1,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34476	Tetrachloroethene			EPA 8260B	08/03/98	< 3.0	3.0
78131	Toluene			EPA 8260B	08/03/98	< 5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34485	Trichloroethene			EPA 8260B	08/03/98	< 3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	08/03/98	< 5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	08/03/98	< 5.0	5.0
77057	Vinyl acetate			EPA 8260B	08/03/98	< 10	10
39175	Vinyl chloride			EPA 8260B	08/03/98	< 1.0	1.0
81551	Xylenes			EPA 8260B	08/03/98	< 5.0	5.0

Received: 07/24/98

09/15/98 13:35:00

REPORT NATIONAL TESTING LABORATORIES PREPARED TOXIKON CORPORATION
TO 6555 WILSON MILLS RD BY 15 WIGGINS AVE
CLEVELAND OHIO 44143 BEDFORD, MA 01730
800-458-3330;FAX:440-449-8585
ATTEN ROSE STIBILA ATTN PAUL LEZBERG
PHONE (617)275-3330 CONTACT MARKETING

CLIENT N T L SAMPLES 4
COMPANY NATIONAL TESTING LABORATORIES MA CERT # M-MA064: TRACE METALS, SULFATE, CYANIDE, RES. FREE
FACILITY 6555 WILSON MILLS RD CHLORINE, Ca, TOTAL ALK., TDS, pH, THMs, VOC, PEST., NUTRIENTS.
CLEVELAND OHIO 44143 DEMAND. O&G, PHENOLICS, PCBs . CT DHS #PH-0563, NY #10778
FL HRS E87143, NJ DEP 59538, NC DNR286, SC 88002, NH 204091-C.

WORK ID PASCO COUNTY UTILITIES LAB
TAKEN 7/22/98 VERIFIED BY: Darla Sheely
TRANS _____
TYPE WATER Previously Reported on 08/10/98.
P.O. # _____
INV. # 064996

SAMPLE IDENTIFICATION

TEST CODES and NAMES used on this workorder

01 4MW11-D	8260NH PURGEABLE ORGANICS VOA
02 4MW12-D	AG SILVER
03 4MW14-D	AS ARSENIC
04 4MW15-D	BA BARIUM
	BE BERYLLIUM
	CD CADMIUM
	CO COBALT
	CR CHROMIUM
	CU COPPER
	DBCP DBCP
	EDB Ethylene Dibromide
	GENERC GENERIC TEST METHOD
	MEXTRC METALS, TOT WATER EXT. TRACE
	NI NICKEL
	PB LEAD
	SB ANTIMONY
	SE SELENIUM
	TL THALLIUM
	V VANADIUM
	ZN ZINC

Received: 07/24/98

Results by Sample

SAMPLE ID <u>4MW11-D</u>		SAMPLE # <u>01</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>07/22/98 09:30:00</u> Category <u>WATER</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	mg/L DL=0.005	mg/L DL=0.005	mg/L DL=0.004	mg/L DL=0.005	mg/L DL=0.005
CR <u>ND</u>	CU <u>ND</u>	DBCP <u>ND</u>	EDB <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>
mg/L DL=0.005	mg/L DL=0.005	ug/L DL=0.02	ug/L DL=0.02	mg/L DL=0.005	mg/L DL=0.005
SB <u>ND</u>	SE <u>ND</u>	TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>	
mg/L DL=0.005	mg/L DL=0.005	mg/L DL=0.002	mg/L DL=0.005	mg/L DL=0.100	

Metals Method ~~6010~~ EPA 200.7 per Paul Hegberg
Metals analyzed on 7/31/98
EDB, DBCP analyzed on 8/5/98

per Paul Hegberg
per Paul Hegberg

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW11-DFRACTION 01ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/22/98 09:30:00Category WATER**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromoethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropene	ND	5.0
2,2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 08/03/98

ANALYST XLINSTRUMENT BDIL. FACTOR 1UNITS ug/L

COMMENTS _____

ND = Not detected at detection limit

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW11-DFRACTION 01ATEST CODE GENERCNAME GENERIC TEST METHODDate & Time Collected 07/22/98 09:30:00Category WATER

SPECIAL TEST REPORT

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 08/03/98

ANALYST..... XLEPA METHOD.. 8260BUNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/22/98 @ 1050

Test Site ID #: _____ Report Period: 1998 / Semester III
(year/quarter)

Well Name: 4MW-12D Well Purged (Y/N): YES

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

Groundwater Elevation (NGVD): _____ *no*
or (MSL): 33.93

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	4.25 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.13 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0007 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/22/98 1050	7.27 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/22/98 1050	25.20 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/22/98 1050	370 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/22/98 1050	1.50 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/22/98 1445	11.40 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B	07/27/98 1100	14.6 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/22/98 1530	230 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/31/98 1500	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	<0.11 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/22/98 1050	33.93 Feet	Feet
900216	Color	"	"	SM 2120B	07/22/98 1530	8 PCU	0.0 PCU

RECEIVED

OCT 19 1998

*Attach Laboratory Reports

Solid Waste Section

Page 2 of 2

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 07/22/98 @ 10:50

Test Site ID #: _____

Report Period: _____
(Year/Quarter)

WELL NAME: 4MW12-D

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
01097	Antimony			EPA 200.7	07/31/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/31/98	<0.005	0.005
01007	Barium			EPA 200.7	07/31/98	0.010	0.005
01012	Beryllium			EPA 200.7	07/31/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/31/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/31/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/31/98	<0.005	0.005
01042	Copper			EPA 200.7	07/31/98	<0.005	0.005
01051	Lead			EPA 200.7	07/31/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/31/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/31/98	<0.005	0.005
01077	Silver			EPA 200.7	07/31/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/31/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/31/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/31/98	<0.100	0.100

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	08/03/98	<10	10
34215	Acrylonitrile			EPA 8260B	08/03/98	<10	10
34235	Benzene			EPA 8260B	08/03/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	08/03/98	<5.0	5.0
32104	Bromoform			EPA 8260B	08/03/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	08/03/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	08/03/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	08/03/98	<5.0	5.0
32106	Chloroform			EPA 8260B	08/03/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	08/05/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	08/05/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	08/03/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	08/03/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	08/03/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	08/03/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	08/03/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	08/03/98	<10	10
34413	Methyl bromide			EPA 8260B	08/03/98	<5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW12-D

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 8260B	08/03/98	< 5.0	5.0
77596	Methylene bromide			EPA 8260B	08/03/98	< 5.0	5.0
34423	Methylene chloride			EPA 8260B	08/03/98	< 5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	08/03/98	< 10	10
49262	Methyl iodide			EPA 8260B	08/03/98	< 10	10
78133	4-Methyl-2-pentanone			EPA 8260B	08/03/98	< 10	10
77128	Styrene			EPA 8260B	08/03/98	< 5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34476	Tetrachloroethene			EPA 8260B	08/03/98	< 3.0	3.0
78131	Toluene			EPA 8260B	08/03/98	< 5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34485	Trichloroethene			EPA 8260B	08/03/98	< 3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	08/03/98	< 5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	08/03/98	< 5.0	5.0
77057	Vinyl acetate			EPA 8260B	08/03/98	< 10	10
39175	Vinyl chloride			EPA 8260B	08/03/98	< 1.0	1.0
81551	Xylenes			EPA 8260B	08/03/98	< 5.0	5.0

Received: 07/24/98

Results by Sample

SAMPLE ID <u>4MW12-D</u>				SAMPLE # <u>02</u> FRACTIONS: <u>A</u>							
Date & Time Collected <u>07/22/98 10:50:00</u> Category <u>WATER</u>											
AG	<u>ND</u>	AS	<u>ND</u>	BA	<u>0.010</u>	BE	<u>ND</u>	CD	<u>ND</u>	CO	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	<u>ND</u>	CU	<u>ND</u>	DBCP	<u>ND</u>	EDB	<u>ND</u>	NI	<u>ND</u>	PB	<u>ND</u>
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	<u>ND</u>	SE	<u>ND</u>	TL	<u>ND</u>	V	<u>ND</u>	ZN	<u>ND</u>		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

Metals Method ~~6010~~

Metals analyzed on 7/31/98

EDB, DBCP analyzed on 8/5/98

*EPA 200.7 per Paul Leysberg
per Paul Leysberg*

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW12-DFRACTION 02ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/22/98 10:50:00Category WATER**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromoethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropene	ND	5.0
2-2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 08/03/98

ANALYST XL

INSTRUMENT 8

DIL. FACTOR 1

UNITS ug/L

COMMENTS

ND = Not detected at detection limit

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW12-DFRACTION 02ATEST CODE GENERCNAME GENERIC TEST METHODDate & Time Collected 07/22/98 10:50:00Category WATER

SPECIAL TEST REPORT

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 08/03/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/22/98 @ 1230

Test Site ID #: _____ Report Period: 1998 / Semester III
(year/quarter)

Well Name: 4MW-14D Well Purged (Y/N): YES

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

Groundwater Elevation (NGVD): _____ *7710*
or (MSL): 34.50

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel. Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	13.0 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.09 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0008 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/22/98 1230	7.19 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/22/98 1230	24.80 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/22/98 1230	540 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/22/98 1230	1.50 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/22/98 1445	1.10 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/27/98 1100	77.5 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/22/98 1530	434 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/31/98 1500	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	0.83 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/22/98 1230	34.50 Feet	Feet
900216	Color	"	"	SM 2120B	07/22/98 1530	5 PCU	0.0 PCU

REQUIRED

*Attach Laboratory Reports

OCT 13 1998

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

 Sampling Date/Time: 07/22/98 @ 12:30

Test Site ID #: _____

Report Period: _____

(Year/Quarter)

 WELL NAME: 4MW14-D

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
01097	Antimony			EPA 200.7	07/31/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/31/98	<0.005	0.005
01007	Barium			EPA 200.7	07/31/98	0.016	0.005
01012	Beryllium			EPA 200.7	07/31/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/31/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/31/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/31/98	<0.005	0.005
01042	Copper			EPA 200.7	07/31/98	<0.005	0.005
01051	Lead			EPA 200.7	07/31/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/31/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/31/98	<0.005	0.005
01077	Silver			EPA 200.7	07/31/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/31/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/31/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/31/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW14-D

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ($\mu\text{g/l}$)	Detection Limits/ Units ($\mu\text{g/l}$)
81552	Acetone			EPA 8260B	08/03/98	< 10	10
34215	Acrylonitrile			EPA 8260B	08/03/98	< 10	10
34235	Benzene			EPA 8260B	08/03/98	< 1.0	1.0
N/A	Bromochloromethane			EPA 8260B	08/03/98	< 5.0	5.0
32101	Bromodichloromethane			EPA 8260B	08/03/98	< 5.0	5.0
32104	Bromoform			EPA 8260B	08/03/98	< 5.0	5.0
77041	Carbon disulfide			EPA 8260B	08/03/98	< 5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	08/03/98	< 3.0	3.0
34301	Chlorobenzene			EPA 8260B	08/03/98	< 5.0	5.0
34311	Chloroethane			EPA 8260B	08/03/98	< 5.0	5.0
32106	Chloroform			EPA 8260B	08/03/98	< 5.0	5.0
32105	Dibromochloromethane			EPA 8260B	08/03/98	< 5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	08/05/98	< 0.02	0.02
77651	1,2-Dibromoethane			EPA 504	08/05/98	< 0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	08/03/98	< 5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	08/03/98	< 5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	08/03/98	< 10	10
34496	1,1-Dichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	08/03/98	< 3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	08/03/98	< 5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	08/03/98	< 5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	08/03/98	< 5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	08/03/98	< 5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	08/03/98	< 5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	08/03/98	< 5.0	5.0
78113	Ethylbenzene			EPA 8260B	08/03/98	< 5.0	5.0
77103	2-Hexanone			EPA 8260B	08/03/98	< 10	10
34413	Methyl bromide			EPA 8260B	08/03/98	< 5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW14-D

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 8260B	08/03/98	< 5.0	5.0
77596	Methylene bromide			EPA 8260B	08/03/98	< 5.0	5.0
34423	Methylene chloride			EPA 8260B	08/03/98	< 5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	08/03/98	< 10	10
49262	Methyl iodide			EPA 8260B	08/03/98	< 10	10
78133	4-Methyl-2-pentanone			EPA 8260B	08/03/98	< 10	10
77128	Styrene			EPA 8260B	08/03/98	< 5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34476	Tetrachloroethene			EPA 8260B	08/03/98	< 3.0	3.0
78131	Toluene			EPA 8260B	08/03/98	< 5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34485	Trichloroethene			EPA 8260B	08/03/98	< 3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	08/03/98	< 5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	08/03/98	< 5.0	5.0
77057	Vinyl acetate			EPA 8260B	08/03/98	< 10	10
39175	Vinyl chloride			EPA 8260B	08/03/98	< 1.0	1.0
81551	Xylenes			EPA 8260B	08/03/98	< 5.0	5.0

Received: 07/24/98

Results by Sample

SAMPLE ID <u>4MW14-D</u>				SAMPLE # <u>03</u> FRACTIONS: <u>A</u>							
Date & Time Collected <u>07/22/98 12:30:00</u> Category <u>WATER</u>											
AG	ND	AS	ND	BA	0.016	BE	ND	CD	ND	CO	ND
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	ND	CU	ND	DBCP	ND	EDB	ND	NI	ND	PB	ND
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	ND	SE	ND	TL	ND	V	ND	ZN	ND		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

Metals Method ~~6010~~

Metals analyzed on 7/31/98

EDB,DBCP analyzed on 8/5/98

*EPA 200.7 per Paul Legberg
per R. J. Smith*

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW14-DFRACTION 03ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/22/98 12:30:00Category WATEREPA 8260 PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromoethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropene	ND	5.0
2-2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 08/03/98

ANALYST XLINSTRUMENT BDIL. FACTOR 1UNITS ug/L

COMMENTS _____

ND = Not detected at detection limit

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW14-DFRACTION 03ATEST CODE GENERCNAME GENERIC TEST METHODDate & Time Collected 07/22/98 12:30:00Category WATER

SPECIAL TEST REPORT

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 08/03/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 07/22/98 @ 1400

Test Site ID #:

Report Period: 1998 / Semester III
(year/quarter)

Well Name: 4MW-15D

Well Purged (Y/N): YES

Classification of Groundwater: Floridan

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

Groundwater Elevation (NGVD):

or (MSL): 35.33

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	35.6 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.07 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0007 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B	07/22/98 1400	7.29 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/22/98 1400	25.40 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/22/98 1400	690 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/22/98 1400	1.40 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/22/98 1445	0.80 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B	07/27/98 1100	146 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/22/98 1530	548 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/31/98 1500	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	0.92 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/22/98 1400	35.33 Feet	Feet
900216	Color	"	"	SM 2120B	07/22/98 1530	10 PCU	0.0 PCU

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*Attach Laboratory Reports

OCT 1 8 1998

PART III - ANALYTICAL RESULTS

Facility GMS #: _____

 Sampling Date/Time: 07/22/98 @ 14:00

Test Site ID #: _____

 Report Period: _____
 (Year/Quarter)

 WELL NAME: 4MW15-D

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
01097	Antimony			EPA 200.7	07/31/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/31/98	<0.005	0.005
01007	Barium			EPA 200.7	07/31/98	0.019	0.005
01012	Beryllium			EPA 200.7	07/31/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/31/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/31/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/31/98	<0.005	0.005
01042	Copper			EPA 200.7	07/31/98	<0.005	0.005
01051	Lead			EPA 200.7	07/31/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/31/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/31/98	<0.005	0.005
01077	Silver			EPA 200.7	07/31/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/31/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/31/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/31/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW15-D

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	08/03/98	< 10	10
34215	Acrylonitrile			EPA 8260B	08/03/98	< 10	10
34235	Benzene			EPA 8260B	08/03/98	< 1.0	1.0
N/A	Bromochloromethane			EPA 8260B	08/03/98	< 5.0	5.0
32101	Bromodichloromethane			EPA 8260B	08/03/98	< 5.0	5.0
32104	Bromoform			EPA 8260B	08/03/98	< 5.0	5.0
77041	Carbon disulfide			EPA 8260B	08/03/98	< 5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	08/03/98	< 3.0	3.0
34301	Chlorobenzene			EPA 8260B	08/03/98	< 5.0	5.0
34311	Chloroethane			EPA 8260B	08/03/98	< 5.0	5.0
32106	Chloroform			EPA 8260B	08/03/98	< 5.0	5.0
32105	Dibromochloromethane			EPA 8260B	08/03/98	< 5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	08/05/98	< 0.02	0.02
77651	1,2-Dibromoethane			EPA 504	08/05/98	< 0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	08/03/98	< 5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	08/03/98	< 5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	08/03/98	< 10	10
34496	1,1-Dichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	08/03/98	< 3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	08/03/98	< 5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	08/03/98	< 5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	08/03/98	< 5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	08/03/98	< 5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	08/03/98	< 5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	08/03/98	< 5.0	5.0
78113	Ethylbenzene			EPA 8260B	08/03/98	< 5.0	5.0
77103	2-Hexanone			EPA 8260B	08/03/98	< 10	10
34413	Methyl bromide			EPA 8260B	08/03/98	< 5.0	5.0

PART III – ANALYTICAL RESULTS (Continued) 4MW15-D

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 8260B	08/03/98	< 5.0	5.0
77596	Methylene bromide			EPA 8260B	08/03/98	< 5.0	5.0
34423	Methylene chloride			EPA 8260B	08/03/98	< 5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	08/03/98	< 10	10
49262	Methyl iodide			EPA 8260B	08/03/98	< 10	10
78133	4-Methyl-2-pentanone			EPA 8260B	08/03/98	< 10	10
77128	Styrene			EPA 8260B	08/03/98	< 5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34476	Tetrachloroethene			EPA 8260B	08/03/98	< 3.0	3.0
78131	Toluene			EPA 8260B	08/03/98	< 5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	08/03/98	< 5.0	5.0
34485	Trichloroethene			EPA 8260B	08/03/98	< 3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	08/03/98	< 5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	08/03/98	< 5.0	5.0
77057	Vinyl acetate			EPA 8260B	08/03/98	< 10	10
39175	Vinyl chloride			EPA 8260B	08/03/98	< 1.0	1.0
81551	Xylenes			EPA 8260B	08/03/98	< 5.0	5.0

Received: 07/24/98

Results by Sample

SAMPLE ID <u>4MW15-D</u>				SAMPLE # <u>04</u> FRACTIONS: <u>A</u>							
Date & Time Collected <u>07/22/98 14:00:00</u> Category <u>WATER</u>											
AG	ND	AS	ND	BA	0.019	BE	ND	CD	ND	CO	ND
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.004	mg/L	DL=0.005	mg/L	DL=0.005
CR	ND	CU	ND	DBCP	ND	EDB	ND	NI	ND	PB	ND
mg/L	DL=0.005	mg/L	DL=0.005	ug/L	DL=0.02	ug/L	DL=0.02	mg/L	DL=0.005	mg/L	DL=0.005
SB	ND	SE	ND	TL	ND	V	ND	ZN	ND		
mg/L	DL=0.005	mg/L	DL=0.005	mg/L	DL=0.002	mg/L	DL=0.005	mg/L	DL=0.100		

*EPA 200.7*Metals Method ~~6010~~

Metals analyzed on 7/31/98

EDB, DBCP analyzed on 8/5/98

per Paul Leberg
per Rae Subler

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW15-DFRACTION 04ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/22/98 14:00:00Category WATER**EPA 8260 PURGEABLE ORGANICS**

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromoethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2-2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 08/03/98

ANALYST XL

INSTRUMENT B

DIL. FACTOR 1

UNITS ug/L

COMMENTS

ND = Not detected at detection limit

Received: 07/24/98

Results by Sample

SAMPLE ID 4MW15-DFRACTION 04ATEST CODE GENERCNAME GENERIC TEST METHODDate & Time Collected 07/22/98 14:00:00Category WATER

SPECIAL TEST REPORT

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 08/03/98

ANALYST..... XLEPA METHOD.. 8260BUNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 07/21/98 @ 1300

Test Site ID #: _____ Report Period: 1998 / Semester III
(year/quarter)

Well Name: 4MW-16D Well Purged (Y/N): YES

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

Groundwater Elevation (NGVD): _____ 1712
or (MSL): 36.22

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel. Wiz. Ded. Mon. System	No	SM 3111B	08/04/98 1450	5.69 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	08/04/98 0930	0.10 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	08/05/98 1530	0.0009 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/21/98 1300	7.24 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	07/21/98 1300	25.60 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	07/21/98 1300	315 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	07/21/98 1300	1.30 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	07/21/98 1445	1.30 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B	07/27/98 1100	13.5 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/22/98 1530	216 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	07/21/98 1600	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	07/22/98 1530	0.84 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		07/21/98 1300	36.22 Feet	Feet
900216	Color	"	"	SM 2120B	07/21/98 1115	4 PCU	0.0 PCU

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*Attach Laboratory Reports

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PART III - ANALYTICAL RESULTS

Facility GMS #: _____

Sampling Date/Time: 07/21/98 @ 13:00

Test Site ID #: _____

Report Period: _____
(Year/Quarter)

WELL NAME: 4MW16

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
01097	Antimony			EPA 200.7	07/27/98	<0.005	0.005
01002	Arsenic			EPA 200.7	07/27/98	<0.005	0.005
01007	Barium			EPA 200.7	07/27/98	0.015	0.005
01012	Beryllium			EPA 200.7	07/27/98	<0.004	0.004
01027	Cadmium			EPA 200.7	07/27/98	<0.005	0.005
01034	Chromium			EPA 200.7	07/27/98	<0.005	0.005
01037	Cobalt			EPA 200.7	07/27/98	<0.005	0.005
01042	Copper			EPA 200.7	07/27/98	<0.005	0.005
01051	Lead			EPA 200.7	07/27/98	<0.005	0.005
01067	Nickel			EPA 200.7	07/27/98	<0.005	0.005
01147	Selenium			EPA 200.7	07/27/98	<0.005	0.005
01077	Silver			EPA 200.7	07/27/98	<0.005	0.005
01057	Thallium			EPA 200.7	07/27/98	<0.002	0.002
01085	Vanadium			EPA 200.7	07/27/98	<0.005	0.005
01092	Zinc			EPA 200.7	07/27/98	<0.100	0.100

PART III - ANALYTICAL RESULTS (Continued) 4MW16

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (µg/l)	Detection Limits/ Units (µg/l)
81552	Acetone			EPA 8260B	08/03/98	<10	10
34215	Acrylonitrile			EPA 8260B	08/03/98	<10	10
34235	Benzene			EPA 8260B	08/03/98	<1.0	1.0
N/A	Bromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
32101	Bromodichloromethane			EPA 8260B	08/03/98	<5.0	5.0
32104	Bromoform			EPA 8260B	08/03/98	<5.0	5.0
77041	Carbon disulfide			EPA 8260B	08/03/98	<5.0	5.0
32102	Carbon tetrachloride			EPA 8260B	08/03/98	<3.0	3.0
34301	Chlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34311	Chloroethane			EPA 8260B	08/03/98	<5.0	5.0
32106	Chloroform			EPA 8260B	08/03/98	<5.0	5.0
32105	Dibromochloromethane			EPA 8260B	08/03/98	<5.0	5.0
38761	1,2-Dibromo-3-chloropropane			EPA 504	07/28/98	<0.02	0.02
77651	1,2-Dibromoethane			EPA 504	07/28/98	<0.02	0.02
34537	o-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
34571	p-Dichlorobenzene			EPA 8260B	08/03/98	<5.0	5.0
49263	Trans-1,4-Dichloro-2-butene			EPA 8260B	08/03/98	<10	10
34496	1,1-Dichloroethane			EPA 8260B	08/03/98	<5.0	5.0
32103	1,2-Dichloroethane			EPA 8260B	08/03/98	<3.0	3.0
34502	1,1-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
81686	cis-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34546	trans-1,2-Dichloroethene			EPA 8260B	08/03/98	<5.0	5.0
34541	1,2-Dichloropropane			EPA 8260B	08/03/98	<5.0	5.0
34704	cis-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
34699	trans-1,3-Dichloropropene			EPA 8260B	08/03/98	<5.0	5.0
78113	Ethylbenzene			EPA 8260B	08/03/98	<5.0	5.0
77103	2-Hexanone			EPA 8260B	08/03/98	<10	10
34413	Methyl bromide			EPA 8260B	08/03/98	<5.0	5.0

PART III - ANALYTICAL RESULTS (Continued) 4MW16

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 8260B	08/03/98	<5.0	5.0
77596	Methylene bromide			EPA 8260B	08/03/98	<5.0	5.0
34423	Methylene chloride			EPA 8260B	08/03/98	<5.0	5.0
81595	Methyl ethyl ketone			EPA 8260B	08/03/98	<10	10
49262	Methyl iodide			EPA 8260B	08/03/98	<10	10
78133	4-Methyl-2-pentanone			EPA 8260B	08/03/98	<10	10
77128	Styrene			EPA 8260B	08/03/98	<5.0	5.0
77562	1,1,1,2-Tetrachloroethane			EPA 8260B	08/03/98	<5.0	5.0
34516	1,1,2,2-Tetrachloroethane			EPA 8260B	08/03/98	<5.0	5.0
34476	Tetrachloroethene			EPA 8260B	08/03/98	<3.0	3.0
78131	Toluene			EPA 8260B	08/03/98	<5.0	5.0
34506	1,1,1-Trichloroethane			EPA 8260B	08/03/98	<5.0	5.0
34511	1,1,2-Trichloroethane			EPA 8260B	08/03/98	<5.0	5.0
34485	Trichloroethene			EPA 8260B	08/03/98	<3.0	3.0
34488	Trichlorofluoromethane			EPA 8260B	08/03/98	<5.0	5.0
77443	1,2,3-Trichloropropane			EPA 8260B	08/03/98	<5.0	5.0
77057	Vinyl acetate			EPA 8260B	08/03/98	<10	10
39175	Vinyl chloride			EPA 8260B	08/03/98	<1.0	1.0
81551	Xylenes			EPA 8260B	08/03/98	<5.0	5.0

Received: 07/23/98

Results by Sample

SAMPLE ID <u>4MW16</u>		SAMPLE # <u>02</u>		FRACTIONS: <u>A</u>	
Date & Time Collected <u>07/21/98 13:00:00</u>				Category <u>WATER</u>	
AG <u>ND</u>	AS <u>ND</u>	BA <u>0.015</u>	BE <u>ND</u>	CD <u>ND</u>	CO <u>ND</u>
mg/L DL=0.005	mg/L DL=0.005	mg/L DL=0.005	mg/L DL=0.004	mg/L DL=0.005	mg/L DL=0.005
CR <u>ND</u>	CU <u>ND</u>	DBCP <u>ND</u>	EDB <u>ND</u>	NI <u>ND</u>	PB <u>ND</u>
mg/L DL=0.005	mg/L DL=0.005	ug/L DL=0.02	ug/L DL=0.02	mg/L DL=0.005	mg/L DL=0.005
SB <u>ND</u>	SE <u>ND</u>	TL <u>ND</u>	V <u>ND</u>	ZN <u>ND</u>	
mg/L DL=0.005	mg/L DL=0.005	mg/L DL=0.002	mg/L DL=0.005	mg/L DL=0.100	

Metals Method ~~6010~~

Metals analyzed on 7/27/98

EDB, DBCP analyzed on 7/28/98

*EPA 200.7 per Paul Tesberg
per R. Stibila*

Received: 07/23/98

Results by Sample

SAMPLE ID 4MW16FRACTION 02ATEST CODE 8260NHNAME PURGEABLE ORGANICS VOADate & Time Collected 07/21/98 13:00:00Category WATEREPA 8260 PURGEABLE ORGANICS

	RESULT	LIMIT		RESULT	LIMIT
Chloromethane	ND	5.0	o-Xylene	ND	5.0
Bromomethane	ND	5.0	m+p-Xylene	ND	5.0
Vinyl Chloride	ND	1.0	1,2-Dichlorobenzene	ND	5.0
Chloroethane	ND	5.0	1,3-Dichlorobenzene	ND	5.0
Methylene Chloride	ND	5.0	1,4-Dichlorobenzene	ND	5.0
1,1-Dichloroethene	ND	5.0	Naphthalene	ND	5.0
Trichlorofluoromethane	ND	5.0	n-Propylbenzene	ND	5.0
1,1-Dichloroethane	ND	5.0	Bromobenzene	ND	5.0
Trans-1,2-Dichloroethene	ND	5.0	Bromochloromethane	ND	5.0
Chloroform	ND	5.0	n-Butylbenzene	ND	5.0
1,2-Dichloroethane	ND	3.0	sec-Butylbenzene	ND	5.0
1,1,1-Trichloroethane	ND	5.0	tert-Butylbenzene	ND	5.0
Carbon Tetrachloride	ND	3.0	2-Chlorotoluene	ND	5.0
Bromodichloromethane	ND	5.0	4-Chlorotoluene	ND	5.0
1,2-Dichloropropane	ND	5.0	1,2-Dibromo-3-chloropropane	ND	5.0
Trichloroethene	ND	3.0	1,2-Dibromoethane	ND	5.0
Dibromochloromethane	ND	5.0	Dibromomethane	ND	5.0
1,1,2-Trichloroethane	ND	5.0	Dichlorodifluoromethane	ND	5.0
Benzene	ND	1.0	cis-1,2-Dichloroethene	ND	5.0
1,1-Dichloropropene	ND	5.0	1,3-Dichloropropane	ND	5.0
2,2-Dichloropropane	ND	5.0	1,1,1,2-Tetrachloroethane	ND	5.0
Bromoform	ND	5.0	1,2,3-Trichlorobenzene	ND	5.0
Hexachlorobutadiene	ND	5.0	1,1,2,2-Tetrachloroethane	ND	5.0
Isopropylbenzene	ND	5.0	1,2,4-Trichlorobenzene	ND	5.0
Tetrachloroethene	ND	3.0	1,2,3-Trichloropropane	ND	5.0
Methyl tertiary butyl ether	ND	5.0	1,2,4-Trimethylbenzene	ND	5.0
Toluene	ND	5.0	1,3,5-Trimethylbenzene	ND	5.0
Chlorobenzene	ND	5.0	cis-1,3-Dichloropropene	ND	5.0
Ethyl Benzene	ND	5.0	trans-1,3-Dichloropropene	ND	5.0
p-Isopropyltoluene	ND	5.0	Styrene	ND	5.0
Diethyl Ether	ND	5.0	Tetrahydrofuran	ND	10
Acetone	ND	10	4-Methyl-2-Pentanone	ND	10
Carbon disulfide	ND	5.0	2-Hexanone	ND	10
2-Butanone	ND	10			

Notes and definitions for this report:

DATE RUN 08/03/98

ANALYST XL

INSTRUMENT B

DIL. FACTOR 1

UNITS ug/L

COMMENTS

ND = Not detected at detection limit

Received: 07/23/98

Results by Sample

SAMPLE ID 4MW16FRACTION Q2ATEST CODE GENERCNAME GENERIC TEST METHODDate & Time Collected 07/21/98 13:00:00Category WATER

SPECIAL TEST REPORT

ANALYTE	REPORTING	
	RESULT	LIMIT
ACRYLONITRILE	ND	10
TRANS-1,4-DICHLORO-2-BUTENE	ND	10
METHYL IODIDE	ND	10
VINYL ACETATE	ND	10

Notes and definitions for this report:

EXTRACTED...

DATE RUN.... 08/03/98

ANALYST..... XL

EPA METHOD.. 8260B

UNITS..... ug/L

ND = not detected at detection limits

Date extracted included when applicable.

TOXIKON

September 24, 1998

National Testing Laboratory
6555 Wilson Mills Road
Cleveland, Ohio 44143
Rose Stibila

Dear Rose:

On Toxikon work orders 98-07-475, 98-07-481 and 98-07-418 metal samples were analyzed by method 200.7 and not by method 6010 as indicated on the report. I hope this has not caused you any inconvenience. If you have any questions please feel free to call me.

Sincerely,



Pia Linn
Technical Services

RECEIVED

OCT 18 1998

Solid Waste Section

Received: 07/18/98

Test Methodology

TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA

EPA METHOD: 8260: Gas Chromatography/Mass Spectrometry for Volatile Organics.

Reference: Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods.

EPA SW-846 (Third Edition) 1986. Office of Solid Waste, USEPA.

RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

TEST CODE DBCP NAME DBCP

EPA METHOD: 504 1,2-DIBROMO-3-CHLOROPROPANE

REFERENCE: Methods for the Determination of Organic Compounds in Drinking Water.

EPA 600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and
1,2-Dibromo-3-Chloropropane (DBCP) in water by Microextraction and
Gas Chromatography.TEST CODE EDB NAME Ethylene Dibromide

EPA METHOD: 504

Reference: Methods for the Determination of Organic Compounds in Drinking Water.

EPA/600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and
1,2-Dibromo-3-Chloropropane (DBCP) in Water by Microextraction and
Gas Chromatography.

RECEIVED

OCT 19 1998

Solid Waste Section

Received: 07/18/98

Test Methodology

TEST CODE GENERC NAME GENERIC TEST METHOD

METHOD REFERENCES ARE CONTAINED ON THE DATA PAGE

Received: 07/18/98

Test Methodology

TEST CODE MEXTRC NAME METALS,TOT WATER EXT.TRACE

Method not available.

CASE NARRATIVE

Work Order: 9807360

All samples were analyzed within the method holding times.

No target compounds were detected in the method blanks.

* For EDB and DBCP, the LCS, Matrix Spike and Matrix Spike Duplicate are all out of control high. However, all samples are ND and are not affected by any high bias if one is present.

TOXIKON

SPIKE RECOVERY DATA SHEET (METHOD 504/8011)

PROJECT : 9807360

MATRIX : WATER

LABORATORY CONTROL SPIKE: 980727EDB

COMPOUND	SPIKE ADDED (ug/L)	LCS CONC. (ug/L)	LCS % RECOVERY	QC LIMITS % REC.
EDB	0.25	0.306	122	70 - 112
DBCP	0.25	0.303	121.2	70 - 112

MATRIX SPIKE

MS9807282.3

COMPOUND	SPIKE ADDED (ug/L)	MS CONC. (ug/L)	MS % RECOVERY	QC LIMITS % REC.
EDB	0.25	0.313	125	70 - 112
DBCP	0.25	0.304	121.6	70 - 112

D - Indicates Diluted Out

INT - Indicates Interference

MATRIX SPIKE DUP

MSD980728

COMPOUND	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % RECOVERY	% RPD	QC LIMITS
EDB	0.25	0.361	144	14	<15
DBCP	0.25	0.303	121.2	0.821	<15

D - Indicates Diluted Out

INT - Indicates Interference

TOXIKON

QC SUMMARY - METALS

PROJECT : 9807360
MATRIX : WATER

SPIKE SAMPLE: 9807315.10
HG SPIKE SAMPLE: NA

ANALYTE	METHOD BLANK	LCS (% REC)	MS (% REC)	DUPLICATE (% RPD)
Ag	ND	97	96	0
As	ND	102	101	0
Ba	ND	106	103	7.8
Be	ND	111	110	0
Cd	ND	104	101	0
Cu	ND	106	105	0
Ni	ND	105	103	0
Pb	ND	104	102	0
Sb	ND	102	100	0
Se	ND	97	97	0
Tl	ND	98	96	0
V	ND	107	105	0
Zn	ND	109	89	24

ACCEPTANCE CRITERIA

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

TOXIKON

GC/MS VOLATILE SURROGATE % RECOVERY (METHOD 8260)

PROJECT # : 9807360

MATRIX : WATER

[illegible]

QC LIMITS

S1 (DBF) = Dibromofluoromethane
S2 (TOL) = Toluene-d8
S3 (BFB) = 4-Bromofluorobenzene

SOIL
(80 - 120)
(81 - 117)
(74 - 121)

WATER
(86 - 118)
(88 - 110)
(86 - 115)

Received: 07/24/98

Test Methodology

TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA

EPA METHOD: 8260B:Gas Chromatography/Mass Spectrometry for Volatile Organics.

Reference: Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods.
EPA SW-846 FINAL UPDATE 111, 1996. Office of Solid Waste, USEPA.

SOIL RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

TEST CODE DBCP NAME DBCP

EPA METHOD:504 1,2-DIBROMO-3-CHLOROPROPANE

REFERENCE:Methods for the Determination of Organic Compounds in Drinking Water.
EPA 600/4-88/039,December 1988,pg.89. 1,2-Dibromoethane (EDB) and
1,2-Dibromo-3-Chloropropane (DBCP) in water by Microextraction and
Gas Chromatography.

TEST CODE EDB NAME Ethylene Dibromide

EPA METHOD: 504

Reference: Methods for the Determination of Organic Compounds in Drinking Water.
EPA/600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and
1,2,-Dibromo-3-Chloropropane (DBCP) in Water by Microextraction and
Gas Chromatography.

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OCT 19 1998

Solid Waste Section

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TOXIKON CORP.

REPORT

Work Order # 98-07-475

Received: 07/24/98

Test Methodology

TEST CODE GENERC NAME GENERIC TEST METHOD

METHOD REFERENCES ARE CONTAINED ON THE DATA PAGE

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TOXIKON CORP.

REPORT

Work Order # 98-07-475

Received: 07/24/98

Test Methodology

TEST CODE MEXTRC NAME METALS,TOT WATER EXT.TRACE

Method not available.

LABORATORY CHRONICLE

All samples were chilled to 4°C at the time of receipt at Toxikon.

Toxikon Work Order #: 9807475

Date of Sample Collection: 07/22/98

Sample ID: As per chain of Custody

ANALYSIS:

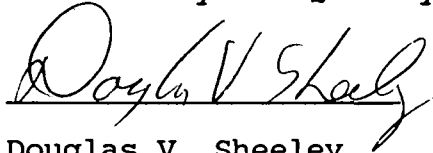
Semivolatiles: 08/5/98

Holding times were met for all sample analyses.

CONFORMANCE/NON-CONFORMANCE SUMMARY

Work Order #: 9807475

I certify that the reported laboratory results were prepared under my direction or supervision in accordance with a system designed to assure qualified personnel evaluate the information submitted. I certify that the information submitted is true, accurate, and complete to the best of my knowledge and belief. The analyses were conducted without deviation from accepted practices, and were reviewed by the Quality Assurance Department.



Douglas V. Sheeley
Laboratory Manager



Date

CASE NARRATIVE

Work Order: 9807475

All samples were analyzed within the method holding times.

No target compounds were detected in the method blanks.

TOXIKON CORP

VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

DATE RUN: Aug 03,1998

METHOD: 8260

WORK ORDER#: 9807475

MATRIX: WATER

SAMPLE #: 9807418.01

UNITS: ug/L

DATA FILES: B7881
B7882

TOXIKON PROJECT#: 9807475

COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	CONC. MSD	%REC MS	%REC MSD	RPD	QC LIMITS *	
								RPD	RECOVERY
1,1-Dichloroethene	50	0.00	52.45	53.91	105 OK	108 OK	3 OK	14	61 - 145
Benzene	50	0.00	55.24	54.12	110 OK	108 OK	2 OK	11	76 - 127
Trichloroethene	50	0.00	45.39	44.37	91 OK	89 OK	2 OK	14	71 - 120
Toluene	50	0.00	49.43	47.68	99 OK	95 OK	4 OK	13	76 - 125
Chlorobenzene	50	0.00	45.97	43.55	92 OK	87 OK	5 OK	13	75 - 130

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

* = Values outside of QC limits

TOXIKON

GC/MS VOLATILE SURROGATE % RECOVERY (METHOD 8260)

PROJECT # : 9807475

MATRIX : WATER

[illegible]

QC LIMITS

S1 (DBF) = Dibromofluoromethane

S2 (TOL) = Toluene-d8

S3 (BFB) = 4-Bromofluorobenzene

SOIL
(80 - 120)

(81 - 117)

(74 - 121)

WATER
(86 - 118)

(88 - 110)

(86 - 115)

TOXIKON

QC SUMMARY - METALS

PROJECT : 9807475
MATRIX : WATER

SPIKE SAMPLE: 9807418.1

ANALYTE	METHOD BLANK	LCS (% REC)	MS (% REC)	DUPLICATE (% RPD)
Ag	ND	99	98	0
As	ND	99	99	0
Ba	ND	106	102	6
Be	ND	110	106	0
Co	ND	103	99	0
Cr	ND	104	99	0
Cu	ND	104	104	0
Ni	ND	105	97	25
Pb	ND	101	97	0
Sb	ND	99	98	0
Se	ND	94	95	0
Tl	ND	97	98	0
V	ND	104	100	0
Zn	ND	110	96	42

ACCEPTANCE CRITERIA

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

TOXIKON

SPIKE RECOVERY DATA SHEET (METHOD 504/8011)

PROJECT : 9807475

MATRIX : WATER

LABORATORY CONTROL SPIKE: 980805

COMPOUND	SPIKE ADDED (ug/L)	LCS CONC. (ug/L)	LCS % RECOVERY	QC LIMITS
EDB	0.25	0.29	115	70 - 112
DBCP	0.25	0.31	122.4	70 - 112

MATIRX SPIKE: 9807475.1

COMPOUND	SPIKE ADDED (ug/L)	MS CONC. (ug/L)	MS % RECOVERY
EDB	0.25	0.28	110
DBCP	0.25	0.29	114

MATIRX SPIKE DUPLICATE: 9807475.1

					QC LIMITS	
COMPOUND	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % RECOVERY	% RPD	%RPD	RECOVERY
EDB	0.25	0.28	113	2.7	< 15	70 - 112
DBCP	0.25	0.29	117.6	2.6	<15	70 - 112

D - Indicates Diluted Out

INT - Indicates Interference

Received: 07/23/98

Test Methodology

TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA

EPA METHOD: 8260B:Gas Chromatography/Mass Spectrometry for Volatile Organics.

Reference: Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods.

EPA SW-846 FINAL UPDATE 111, 1996. Office of Solid Waste, USEPA.

SOIL RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

TEST CODE DBCP NAME DBCP

EPA METHOD:504 1,2-DIBROMO-3-CHLOROPROPANE

REFERENCE:Methods for the Determination of Organic Compounds in Drinking Water.

EPA 600/4-88/039,December 1988,pg.89. 1,2-Dibromoethane (EDB) and

1,2-Dibromo-3-Chloropropane (DBCP) in water by Microextraction and Gas Chromatography.

TEST CODE EDB NAME Ethylene Dibromide

EPA METHOD: 504

Reference: Methods for the Determination of Organic Compounds in Drinking Water.

EPA/600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and

1,2,-Dibromo-3-Chloropropane (DBCP) in Water by Microextraction and Gas Chromatography.

RECEIVED

OCT 19 1998

Solid Waste Section

Received: 07/23/98

Test Methodology

TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA

EPA METHOD: 8260B:Gas Chromatography/Mass Spectrometry for Volatile Organics.

Reference: Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods.
EPA SW-846 FINAL UPDATE 111, 1996. Office of Solid Waste, USEPA.

SOIL RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

TEST CODE DBCP NAME DBCP

EPA METHOD:504 1,2-DIBROMO-3-CHLOROPROPANE

REFERENCE:Methods for the Determination of Organic Compounds in Drinking Water.
EPA 600/4-88/039,December 1988,pg.89. 1,2-Dibromoethane (EDB) and
1,2-Dibromo-3-Chloropropane (DBCP) in water by Microextraction and
Gas Chromatography.

TEST CODE EDB NAME Ethylene Dibromide

EPA METHOD: 504

Reference: Methods for the Determination of Organic Compounds in Drinking Water.
EPA/600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and
1,2,-Dibromo-3-Chloropropane (DBCP) in Water by Microextraction and
Gas Chromatography.

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TOXIKON CORP.

REPORT

Work Order # 98-07-418

Received: 07/23/98

Test Methodology

TEST CODE GENERC NAME GENERIC TEST METHOD

METHOD REFERENCES ARE CONTAINED ON THE DATA PAGE

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TOXIKON CORP.

REPORT

Work Order # 98-07-418

Received: 07/23/98

Test Methodology

TEST CODE MEXTRC NAME METALS,TOT WATER EXT.TRACE

Method not available.

LABORATORY CHRONICLE

All samples were chilled to 4°C at the time of receipt at Toxikon.

Toxikon Work Order #: 9807418

Date of Sample Collection: 07/21/98

Sample ID: As per chain of Custody

ANALYSIS:

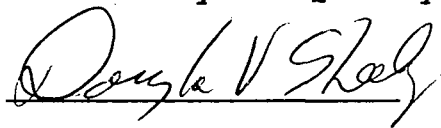
Semivolatiles: 08/3/98

Holding times were met for all sample analyses.

CONFORMANCE/NON-CONFORMANCE SUMMARY

Work Order #: 9807418

I certify that the reported laboratory results were prepared under my direction or supervision in accordance with a system designed to assure qualified personnel evaluate the information submitted. I certify that the information submitted is true, accurate, and complete to the best of my knowledge and belief. The analyses were conducted without deviation from accepted practices, and were reviewed by the Quality Assurance Department.



Douglas V. Sheeley
Laboratory Manager

9/4/98

Date

CASE NARRATIVE

Work Order: 9807418

All samples were analyzed within the method holding times.

No target compounds were detected in the method blanks.

TOXIKON

SPIKE RECOVERY DATA SHEET (METHOD 504/8011)

PROJECT : 9807418
MATRIX : WATER

LABORATORY CONTROL SPIKE: 980728

COMPOUND	SPIKE ADDED (ug/L)	LCS CONC. (ug/L)	LCS % RECOVERY	QC LIMITS
EDB	0.25	0.28	112	70 - 112
DBCP	0.25	0.33	132	70 - 112

MATIRX SPIKE: 9807387.4

COMPOUND	SPIKE ADDED (ug/L)	MS CONC. (ug/L)	MS % RECOVERY
EDB	0.25	0.18	74
DBCP	0.25	0.19	75.2

MATIRX SPIKE DUPLICATE: 9807387.4

COMPOUND	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % RECOVERY	% RPD	QC LIMITS	
					%RPD	RECOVERY
EDB	0.25	0.20	80	7.8	< 15	70 - 112
DBCP	0.25	0.19	76	1.1	<15	70 - 112

D - Indicates Diluted Out
INT - Indicates Interference

TOXIKON

QC SUMMARY - METALS

PROJECT : 9807418
MATRIX : WATER

SPIKE SAMPLE: 9807418.1

ANALYTE	METHOD BLANK	LCS (% REC)	MS (% REC)	DUPLICATE (% RPD)
Ag	ND	99	98	0
As	ND	99	99	0
Ba	ND	106	102	6
Be	ND	110	106	0
Co	ND	103	99	0
Cr	ND	104	99	0
Cu	ND	104	104	0
Ni	ND	105	97	25
Pb	ND	101	97	0
Sb	ND	99	98	0
Se	ND	94	95	0
Tl	ND	97	98	0
V	ND	104	100	0
Zn	ND	110	96	42

ACCEPTANCE CRITERIA

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

TOXIKON

GC/MS VOLATILE SURROGATE % RECOVERY (METHOD 8260)

PROJECT # : 9807418

MATRIX : WATER

[illegible]

QC LIMITS

S1 (DBF) = Dibromofluoromethane

S2 (TOL) = Toluene-d8

S3 (BFB) = 4-Bromofluorobenzene

SOIL
(80 - 120)

(81 - 117)

(74 - 121)

WATER
(86 - 118)

(88 - 110)

(86 - 115)

TOXIKON CORP

VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

DATE RUN: Aug 03,1998

METHOD: 8260

WORK ORDER#: 9807418

MATRIX: WATER

SAMPLE #: 9807418.01

UNITS: ug/L

DATA FILES: B7881
B7882

TOXIKON PROJECT#: 9807418

COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	CONC. MSD	%REC MS	%REC MSD	RPD	QC LIMITS *	
								RPD	RECOVERY
1,1-Dichloroethene	50	0.00	52.45	53.91	105 OK	108 OK	3 OK	14	61 - 145
Benzene	50	0.00	55.24	54.12	110 OK	108 OK	2 OK	11	76 - 127
Trichloroethene	50	0.00	45.39	44.37	91 OK	89 OK	2 OK	14	71 - 120
Toluene	50	0.00	49.43	47.68	99 OK	95 OK	4 OK	13	76 - 125
Chlorobenzene	50	0.00	45.97	43.55	92 OK	87 OK	5 OK	13	75 - 130

RPD: 0 out of 5 outside limits
Spike Recovery: 0 out of 10 outside limits

* = Values outside of QC limits

Received: 07/21/98

Test Methodology

TEST CODE 8260NH NAME PURGEABLE ORGANICS VOA

EPA METHOD: 8260: Gas Chromatography/Mass Spectrometry for Volatile Organics.

Reference: Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods.
EPA SW-846 (Third Edition) 1986. Office of Solid Waste, USEPA.

RESULTS ARE REPORTED ON A DRY WEIGHT BASIS.

TEST CODE DBCP NAME DBCP

EPA METHOD: 504 1,2-DIBROMO-3-CHLOROPROPANE

REFERENCE: Methods for the Determination of Organic Compounds in Drinking Water.
EPA 600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and
1,2-Dibromo-3-Chloropropane (DBCP) in water by Microextraction and
Gas Chromatography.

TEST CODE EDB NAME Ethylene Dibromide

EPA METHOD: 504

Reference: Methods for the Determination of Organic Compounds in Drinking Water.
EPA/600/4-88/039, December 1988, pg. 89. 1,2-Dibromoethane (EDB) and
1,2-Dibromo-3-Chloropropane (DBCP) in Water by Microextraction and
Gas Chromatography.

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Solid Waste Section

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TOXIKON CORP.

REPORT

Work Order # 98-07-387

Received: 07/21/98

Test Methodology

TEST CODE GENERC NAME GENERIC TEST METHOD

METHOD REFERENCES ARE CONTAINED ON THE DATA PAGE

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TOXIKON CORP.

REPORT

Work Order # 98-07-387

Received: 07/21/98

Test Methodology

TEST CODE MEXTRC NAME METALS,TOT WATER EXT.TRACE

Method not available.

CASE NARRATIVE

Work Order: 9807387

All samples were analyzed within the method holding times.

No target compounds were detected in the method blanks.

TOXIKON

SPIKE RECOVERY DATA SHEET (METHOD 504/8011)

PROJECT : 9807387

MATRIX : WATER

LABORATORY CONTROL SPIKE: 9807028

COMPOUND	SPIKE ADDED (ug/L)	LCS CONC. (ug/L)	LCS % RECOVERY	QC LIMITS
EDB	0.25	0.28	112	70 - 112
DBCP	0.25	0.33	132	70 - 112

MATIRX SPIKE: 9807387.4

COMPOUND	SPIKE ADDED (ug/L)	MS CONC. (ug/L)	MS % RECOVERY
EDB	0.25	0.18	74
DBCP	0.25	0.19	75.2

MATIRX SPIKE DUPLICATE: 9807387.4

COMPOUND	SPIKE ADDED (ug/L)	MSD CONC. (ug/L)	MSD % RECOVERY	% RPD	QC LIMITS	
					%RPD	RECOVERY
EDB	0.25	0.20	80	7.83	< 15	70 - 112
DBCP	0.25	0.19	76	1.06	<15	70 - 112

D - Indicates Diluted Out

INT - Indicates Interference

TOXIKON

QC SUMMARY - METALS

PROJECT : 9807387
MATRIX : WATER

SPIKE SAMPLE: 9807387.1

ANALYTE	METHOD BLANK	LCS (% REC)	MS (% REC)	DUPLICATE (% RPD)
Ag	ND	107	105	0
As	ND	103	101	200
Ba	ND	117	114	5
Be	ND	114	112	0
Cd	ND	110	106	0
Co	ND	108	105	0
Cr	ND	110	107	0
Cu	ND	111	109	0
Ni	ND	110	106	0
Pb	ND	106	104	0
Sb	ND	104	102	0
Se	ND	101	100	0
Tl	ND	99	100	0
V	ND	109	108	0
Zn	ND	111	103	100

ACCEPTANCE CRITERIA

ANALYTE	METHOD BLANK	MS (% REC)	LCS (% REC)	DUPLICATE (% RPD)
Ag	BDL	65 - 125	80 - 120	<25
Hg	BDL	75 - 125	80 - 120	<25
All Others	BDL	80 - 120	80 - 120	<25

TOXIKON CORP

VOLATILE MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

DATE RUN: Jul 31,1998

METHOD: 8260

WORK ORDER#: 9807387

MATRIX: WATER

SAMPLE #: 9807387.01

UNITS: ug/L

DATA FILES: B7823
B7824

TOXIKON PROJECT#: 9807387

COMPOUND	CONC. SPIKE ADDED (ug)	SAMPLE RESULT	CONC. MS	CONC. MSD	%REC		%REC		RPD		QC LIMITS *	
					MS	OK	MSD	OK			RPD	RECOVERY
1,1-Dichloroethene	50	0.00	53.53	50.38	107	OK	101	OK	6	OK	14	61 - 145
Benzene	50	0.00	56.02	55.54	112	OK	111	OK	1	OK	11	76 - 127
Trichlorethene	50	0.00	46.88	47.04	94	OK	94	OK	0	OK	24	62 - 137
Toluene	50	0.00	49.79	52.96	100	OK	106	OK	6	OK	13	76 - 125
Chlorobenzene	50	0.00	47.18	47.04	94	OK	94	OK	0	OK	13	75 - 130

RPD: 0 out of 5 outside limits

* = Values outside of QC limits

Spike Recovery: 0 out of 10 outside limits

OF % MS/MSD #REF! OF 10
VOA OUT: —

OF RPD #REF! OF 5
VOA OUT: —

TOXIKON

GC/MS VOLATILE SURROGATE % RECOVERY (METHOD 8260)

PROJECT # : 9807387

MATRIX : WATER

[illegible]

QC LIMITS

S1 (DBF) = Dibromofluoromethane

S2 (TOL) = Toluene-d8

S3 (BFB) = 4-Bromofluorobenzene

SOIL
(80 - 120)

(81 - 117)

(74 - 121)

WATER
(86 - 118)

(88 - 110)

(86 - 115)



PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

DATE: 08/11/98

(Page 1 of 2)

SAMPLE			DELIVERY TO LAB	
LAB No.	DATE	TIME	DATE	TIME MATRIX
69119	07/16/98	1200	07/16/98	1300 WW
69242	07/21/98	1115	07/21/98	1420 WW
69243	07/21/98	1300	07/21/98	1420 WW
69278	07/22/98	0930	07/22/98	1420 WW

CLIENT STATION ID:	4MW-6	4MW-1	4MW-16	4MW-11-D
LAB #:	69119	69242	69243	69278

	69119	69242	69243	69278
H2O LEVEL FEET	35.03	36.59	36.22	35.00
PH. FIELD STD. UNITS	7.68	7.12	7.24	7.45
FIELD TEMP DEGREES C	24.80	24.00	25.60	25.60
COND. FIELD umhos/cm	135	1425	315	305
DO. FIELD mg/L	2.90	0.90	1.30	1.20
CL- (auto) mg/L	11.4	356	13.5	11.1
COLOR PCU	0.0	7	4	12
NH3 (AUTO) mg/L	<0.03	<0.03	<0.03	<0.03
NO3 mg/L	0.56	1.22	0.84	0.30
TDS mg/L	99	1240	216	275
TURB NTU	0.27	0.60	1.30	2.10
FE/T/AA mg/L	<0.02	0.06	0.10	0.14
HG/T/CVAA mg/L	0.0008	0.0007	0.0009	0.0009
NA/T/FLAA mg/L	3.02	97.3	5.69	3.83

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DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

DATE: 08/11/98

(Page 2 of 2)

LAB No.	SAMPLE		SAMPLER	DELIVERY TO LAB	
	DATE	TIME		DATE	TIME MATRIX
69279	07/22/98	1050	CHRIS CHILDRESS	07/22/98	1420 WW
69280	07/22/98	1230	CHRIS CHILDRESS	07/22/98	1420 WW
69281	07/22/98	1400	CHRIS CHILDRESS	07/22/98	1420 WW

CLIENT STATION ID:	4MW-12-D	4MW-14-D	4MW-15-D
LAB #:	69279	69280	69281

H2O LEVEL	FEET	33.93	34.50	35.33
PH. FIELD	STD. UNITS	7.27	7.19	7.29
FIELD TEMP	DEGREES C	25.20	24.80	25.40
COND. FIELD	umhos/cm	370	540	690
DO. FIELD	mg/L	1.50	1.50	1.40
CL- (auto)	mg/L	14.6	77.5	146
COLOR	PCU	8	5	10
NH3 (AUTO)	mg/L	<0.03	<0.03	<0.03
NO3	mg/L	<0.11	0.83	0.92
TDS	mg/L	230	434	548
TURB	NTU	11.40	1.10	0.80
FE/T/AA	mg/L	0.13	0.09	0.07
HG/T/CVAA	mg/L	0.0007	0.0008	0.0007
NA/T/FLAA	mg/L	4.25	13.0	35.6

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847 8907

DHRS # 44237, E44123
ComDAQ # 8701676

QC REPORT FOR RESOURCE RECOVERY 08/11/98

QA/QC for SAMPLE Nos: 69119, 69242, 69243, 69278, 69279, 69280, 69281.

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	68833	384	355	29	7.85	-----	STANDARD	80.0	76.79	96.00
SM4500CL E	68835	275	286	11	3.92	-----	STANDARD	80	84.3	105.40
mg/L	68895	191	208	17	8.52	-----	STANDARD	80	79.8	99.75
	69045	139	148	9.0	6.27	-----	STD	80.0	74.38	94.30
	69048	-----	-----	-----	-----	112.40	-----	-----	-----	-----
	69119	11.4	11.3	0.10	0.88	-----	-----	-----	-----	-----
	69209	-----	-----	-----	-----	101.80	-----	-----	-----	-----
	69221	259	264	5.0	1.91	-----	-----	-----	-----	-----
	69243	-----	-----	-----	-----	100.60	-----	-----	-----	-----
	69281	145.8	146.4	0.60	0.41	-----	-----	-----	-----	-----
COLOR	69119	<1	<1	0.50	0.00	-----	STD	50	50	100.00
SM 2120B	69119	<1	<1	0.50	0.00	-----	-----	-----	-----	-----
PCU	69243	4.0	5.0	1.0	22.22	-----	-----	-----	-----	-----
	69281	10	11	1.0	9.52	-----	-----	-----	-----	-----
AMMONIA NITROGEN	69046	-----	-----	-----	-----	95.31	NH3 STD	1.200	1.118	93.16
SM4500NH3H	69048	<0.03	<0.03	0.015	0.00	-----	NH3 STD	1.200	1.159	96.65
mg/L	69142	<0.03	<0.03	0.015	0.00	-----	NH3 STD	1.200	1.108	92.31
	69242	-----	-----	-----	-----	93.14	NH3 STD	1.200	1.092	91.00
	69243	<0.03	<0.03	0.015	0.00	-----	NH3 STD	1.200	1.080	83.39
	69278	<0.03	<0.03	0.015	0.00	-----	-----	-----	-----	-----
	69445	-----	-----	-----	-----	105.76	-----	-----	-----	-----
	69473	<0.03	<0.03	0.015	0.00	-----	-----	-----	-----	-----
	69569	-----	-----	-----	-----	100.63	-----	-----	-----	-----
NITRATE	69119	-----	-----	-----	-----	108.09	NO3 STD	4.000	4.015	100.39
SM4500NO3F	69121	0.28	0.30	0.020	6.90	-----	NO3 STD	4.000	4.077	101.93
mg/L	69143	1.13	1.04	0.090	8.29	-----	NO3 STD	4.000	3.938	98.44
	69206	2.63	2.20	0.43	17.81	93.74	-----	-----	-----	-----



DHRS # 44237, E44123
CompQAP # 870167G

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
	69206	2.26	2.20	0.060	2.69	-----	-----	-----	-----	-----
	69227	0.43	0.45	0.020	4.55	-----	-----	-----	-----	-----
	69265	<0.11	<0.11	0.055	0.00	-----	-----	-----	-----	-----
	69279	<0.11	<0.11	0.055	0.00	99.28	-----	-----	-----	-----
TOTAL DISS.SOLIDS	69243	212	221	9.0	4.16	-----	STD	293	297	101.30
SM2540C	69262	466	472	6.0	1.28	-----	STD	293	297	101.30
mg/L	69278	-----	-----	-----	-----	103.90	-----	-----	-----	-----
	69278	-----	-----	-----	-----	103.90	-----	-----	-----	-----

TURBIDITY
SM 2130 B
NTU

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

IRON.TOTAL
SM31138
mg/L

69119	<0.02	<0.02	0.010	0.00	100.00	-----	-----	-----	-----
-------	-------	-------	-------	------	--------	-------	-------	-------	-------

MERCURY, TOTAL
SM31128
mg/L

69[4]	0.63	0.86	0.23	30.87	106.70	-----	-----	-----	-----
-------	------	------	------	-------	--------	-------	-------	-------	-------

SODIUM, TOTAL
SM31118
mg/L

69119	3.03	3.00	0.030	1.00	98.50	-----	-----	-----	-----
69140	2.80	2.67	0.13	4.75	102.90	-----	-----	-----	-----



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

DHRS # 44237, E44123
CompQAP # 870167G

DATE. TIME. ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS		ANALYST	MDL
		DATE	TIME		
CL- (auto)	SM4500CL E	07/17/98	1300	CEM	0.62
CL- (auto)	SM4500CL E	07/27/98	1100	JK	0.62
COLOR	SM 2120B	07/17/98	1600	TER	0.0
COLOR	SM 2120B	07/21/98	1630	JK	0.0
COLOR	SM 2120B	07/22/98	1530	JK	0.0
COND, FIELD	SM2510B	07/16/98	1200	CSC	1
COND, FIELD	SM2510B	07/21/98	1115	CSC	1
COND, FIELD	SM2510B	07/22/98	0930	CSC	1
DO, FIELD	SM4500-O G	07/16/98	1200	CSC	0.01
DO, FIELD	SM4500-O G	07/21/98	1115	CSC	0.01
DO, FIELD	SM4500-O G	07/22/98	0930	CSC	0.01
FE/T/AA	SM3113B	07/17/98	1420	TER	0.001
FE/T/AA	SM3113B	08/04/98	0930	TER	0.001
FIELD TEMP	SM2550B	07/16/98	1200	CSC	0
FIELD TEMP	SM2550B	07/21/98	1115	CSC	0
FIELD TEMP	SM2550B	07/22/98	0930	CSC	0
H2O LEVEL	FIELD	07/16/98	1200	CSC	0.00
H2O LEVEL	FIELD	07/21/98	1115	CSC	0.00
H2O LEVEL	FIELD	07/22/98	0930	CSC	0.00
HG/T/CVAA	SM3112B	08/05/98	1530	TER	0.0005
NA/T/FLAA	SM3111B	07/17/98	1440	TER	0.01
NA/T/FLAA	SM3111B	08/04/98	1450	TER	0.01
NH3 (AUTO)	SM4500NH3H	07/21/98	1600	IF	0.03
NH3 (AUTO)	SM4500NH3H	07/21/98	1600	IF	0.03
NH3 (AUTO)	SM4500NH3H	07/31/98	1500	IF	0.03
NO3	SM4500NO3F	07/17/98	1600	IF	0.11
NO3	SM4500NO3F	07/22/98	1530	IF	0.11
PH, FIELD	SM4500-H+B	07/16/98	1200	CSC	0.01
PH, FIELD	SM4500-H+B	07/21/98	1115	CSC	0.01
PH, FIELD	SM4500-H+B	07/22/98	0930	CSC	0.01
TDS	SM2540C	07/22/98	1500	JK	1
TDS	SM2540C	07/22/98	1530	JK	1
TURB	SM 2130 B	07/16/98	1500	CSC	0.01
TURB	SM 2130 B	07/21/98	1445	CSC	0.01
TURB	SM 2130 B	07/22/98	1445	CSC	0.01



PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: RESREC GWM Q111
DATE: 08/11/98

(Page 1 of 1)

LAB No.	SAMPLE		SAMPLER	DELIVERY TO LAB	
	DATE	TIME		DATE	TIME MATRIX
69140	07/17/98	1055	CHRIS CHILDRESS	07/17/98	1430 WW
69141	07/17/98	1030	CHRIS CHILDRESS	07/17/98	1430 WW
69142	07/17/98	1215	CHRIS CHILDRESS	07/17/98	1430 WW
69143	07/17/98	1330	CHRIS CHILDRESS	07/17/98	1430 WW
CLIENT STATION ID:			2MW-2	4MW-2	4MW-4
LAB #:			69140	69141	69142
H2O LEVEL	FEET	37.76	37.31	30.51	31.31
PH, FIELD	STD. UNITS	6.13	7.41	6.95	7.24
FIELD TEMP	DEGREES C	23.50	23.90	24.30	25.00
COND. FIELD	umhos/cm	105	165	300	420
DO, FIELD	mg/L	4.80	1.40	1.90	1.50
CL- (auto)	mg/L	5.27	4.65	12.5	55.6
COLOR	PCU	0.0	0.0	0.0	0.0
NH3 (AUTO)	mg/L	<0.03	<0.03	<0.03	<0.03
NO3	mg/L	9.93	0.96	0.44	1.08
TDS	mg/L	101	96	170	316
TURB	NTU	0.58	0.45	3.19	0.25
FE/T/AA	mg/L	0.06	0.05	0.17	0.05
HG/T/CVAA	mg/L	0.0009	0.0009	0.0008	0.0006
NA/T/FLAA	mg/L	2.67	2.70	3.21	8.22

LABORATORY DIRECTOR

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OCT 19 1998

Solid Waste Section



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
3864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(813) 847-8902

DHRS # 44237, E44123
ComoQAP # 8701676

QC REPORT FOR RESOURCE RECOVERY 08/11/98

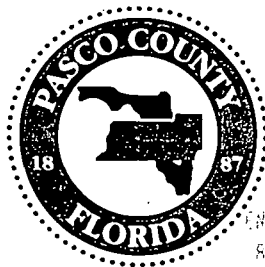
QA/QC for SAMPLE Nos: 69140, 69141, 69142, 69143,

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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	69140					101.80	STD	80.0	83.5	104.30
SM4500CL E	69143	55.6	64.4	8.8	14.67					
mg/L	69145					91.50				
	69174	162	166	4.0	2.44					
COLOR	69119	<1	<1	0.50	0.00					
SM 2120B	69119	<1	<1	0.50	0.00					
PCU										
AMMONIA NITROGEN	69142	<0.03	<0.03	0.015	0.00		NH3 STD	1.200	1.108	92.31
SM4500NH3H	69242					93.14				
mg/L	69243	<0.03	<0.03	0.015	0.00					
NITRATE	69143	1.13	1.04	0.090	8.29		NO3 STD	4.000	4.077	101.93
SM4500NO3F	69206	2.63	2.20	0.43	17.81	93.74	NO3 STD	4.000	3.938	98.44
mg/L	69206	2.26	2.20	0.060	2.69					
	69227	0.43	0.45	0.020	4.55					
	69265	<0.11	<0.11	0.055	0.00					
	69279	<0.11	<0.11	0.055	0.00	99.28				
TOTAL DISS. SOLIDS	69138	992	1004	12	1.20		STD	293	293	100.00
SM2540C										
mg/l										

TURBIDITY
SM 2130 B
NTU

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS



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Compass # 8701670

Q1 REPORT FOR RESOURCE RECOVERY 08/11/98

QA/QC for SAMPLE Nos: 69140, 69141, 69142, 69143.

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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

NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

SM31138

mg/l

MERCURY, TOTAL

69141

0.63

0.86

0.23

30.87

106.70

SM31128

mg/L

SODIUM, TOTAL

69140

2.80

2.67

0.13

4.75

102.90

SM31118

mg/L



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DHRS # 44237, E44123
CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS		ANALYST	MDL
		DATE	TIME		
CL- (auto)	SM4500CL F	07/20/98	1100	JK	0.62
COLOR	SM 2120B	07/17/98	1600	TER	0.0
COND. FIELD	SM2510B	07/17/98	1030	CSC	1
DO, FIELD	SM4500-O G	07/17/98	1030	CSC	0.01
FE/T/AA	SM3113B	08/04/98	0930	TER	0.001
FIELD TEMP	SM2550B	07/17/98	1030	CSC	0
H2O LEVEL	FIELD	07/17/98	1030	CSC	0.00
HG/T/CVAA	SM3112B	08/05/98	1530	TER	0.0005
NA/T/FLAA	SM3111B	08/04/98	1450	TER	0.01
NH3 (AUTO)	SM4500NH3H	07/21/98	1600	IF	0.03
NO3	SM4500NO3F	07/22/98	1530	IF	0.11
PH, FIELD	SM4500-H+B	07/17/98	1030	CSC	0.01
TDS	SM2540C	07/20/98	0900	JK	1
TURB	SM 2130 B	07/17/98	1500	CSC	0.01