

SCO COUNTY, FLORIDA

DADE CITY

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NEW PORT RICHEY (813) 847-8902

UTILITIES SERVICES BRANCH PASCO COUNTY GOVT. COMPLEX 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

June 24, 1992

Mr. Steven G. Morgan Environmental Specialist II Florida Department of Environmental Regulation Waste Management Section 4520 Oak Fair Boulevard Tampa, FL 33610-7347

D. E. R.

JUN 2 5 1992

RE: Groundwater Monitoring Analyses

SOUTHWEST DISTRICT TAMPA

Dear Mr. Morgan:

Enclosed are the groundwater monitoring analyses from Monitoring Wells 2MWl, 4MWl, 2MW2, 4MW2, 2MW4, 4MW4, 2MW5, 4MW5, 2MW6, and 4MW6 at the Hays Road Class I Landfill for the Quarter II (April - June) sampling period.

Sincerely,

Candia E. Mulhern

Laboratory Supervisor

CEM/mr

Enclosure

cc: Chongman Lee, Florida Department of Environmental Regulation, Solid Waste Section, Twin Towers Building, 2600 Blair Stone Road, Tallahassee, FL 32399-2400

Douglas S. Bramlett, Assistant County Administrator (Utilities Services) Robert J. Sigmond, Utilities Solid Waste/Fiscal Services Director



Florida Department of Environmental Regulation

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

06A Form 4	
Fgm Tde	
Effective Oate	<u> </u>
OF noissign R3C	Filed in DV CERI

QUARTERLY REPORT ON GROUND WATER MONITORING Rule 17-4.245(6)(k)2.

GMS #	· 	DATE
		DER PERMIT
RESOURCE RECOVERY - WE	EST PASCO CLASS I LA	NDFILL
Installation Name		
HAYS ROAD	HUDSON	FLORIDA 34674 PASCO
Address	City	State Zip County
Candia E. Mulhern Owner or Authorized Represen	ntative's Name	Laboratory Supervisor . Title
Method of Discharge		
Type of Industry LANDE	[L.L.	
Report for Period APR	192 to	JUN 192
forms. When applicable, background water quality as Include any changes in size changes of plume constituent NOTE: Pursuant to Rule 17—mitted volume, location or charge plume, the permittee	attach additional should be discharge plume, direction of movements in violation of the 4.245(6)(k)3., at any tenemical, physical or shall notify the departation the volume and	plan using parameter monitoring report leets describing any changes in the since the last reported description. t, rate of movement, and concentration applicable standards. ime there is a change in the permicrobiological composition of the distant and, if required by the department and, physical and microbiological ase or contact with the ground water at
	CERTIFICATIO	N -
information submitted in the of those individuals immed	is document and all at liately responsible for e. accurate, and comple	lly examined and am familiar with the tachments and that, based on my inquiry obtaining the information, I believe to. I am aware that there are significally of fine and
Owner or Authorized Represe	ntative's Signature	06/24/92 Date
		D. E. R.
DER Form 17-1.216(2) Effective January 1, 1983	Page 1 of 2	JUN 2 5 1992

Northwest District 160 Governmental Center Pensacota, Ponda 12501-5794 Northeast District 3426 Bills Rd. Jacksonville, Florida 32207 204-798-4200 Gentral District 3319 Maguire Bhid. Suite 232 Orlando, Flonda 32803-3767 407-894-7555 Sourtwest District 4520 Oak Fair Blvd. Famos. Florida 33610-7347 813-623-5561 South Oistnet 2269 Bay St. Fort Myers, Florida 33901-2596 813-332-2667

SOUTHWEST DISTRICT TAMPA

Southeast District 1900 S. Congress Ave., Suite A. West Paint Beach: Florida 33:406 407-964-9668

GMS /	Sample Date	06/05/92
Monitoring Well # 2MW1	Well Type: [] Background
Well Name) (] Background] Site Boundary] Intermediate
Classification of Groundwater <u>Surficial</u>	į] Compliance
Well Developed* Prior to		

Well Developed* Prior to YES
Sample Collection (Yes/No)

Ground Water Elevation
(above MSL) _____Dry

Calcium Well 215.1 Dry mg/L Unfiltered HNO 3; 4 Manganese Zinc Ded. 289.1 mg/L Unfiltered HNO 3; 4 Mno. 242.1 mg/L Unfiltered HNO 3; 4 Mno. 242.1 mg/L Unfiltered HNO 3; 4 Mno. 236.1 mg/L Unfiltered Hno. 4 Mno.	STORET Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample filtered/Unfiltered	Preser- vatives Added
Manganese Wizard 243.1		Calcium	Well	215.1	Dry	mg/L	Unfiltered	
Magnesium		Manganese	Wizard	243.1		mg/L	Unfiltered	, -
Magnesium Sodium System 273.1		Zinc	Ded.	289.1		mg/L	Unfiltered	1 -
Sodium		Magnesium	Mon.	242.1		mg/L	Unfiltered	
Iron PH Electro. Stdits Unfiltered HNO3;4°		Sodium	System	273.1	,	mg/L	1	_
Field Fiel	1	Iron		236.1		mg/L		, ,
Turbidity Nepheloc Nepheloc Nepheloc Not metric Not not metric Not metric Not not metric Not metric Not not metric Not not metric Not not metric Not not not metric Not not not metric Not n		pН		Electro.		Stdunits	Unfiltered	.
Turbidity Nemethold Neme		Specific-				umback		Field
Chloride		Ĭ .		Nephelo-		NTU	Unfiltered	Cool 4°C
Sulfate 375.4 mg/L Unfiltered Cool 40 mg/L Unfiltered H2SO4;4 mg/L Unfiltere		Chloride		SM 407A		mg/L	Unfiltered	
## TDS Bicarb. TOC NH ₃ -N NH ₄ -N Org. N TN ## Caliation EPA 351.2 TN ## Caliation EPA 351.2 ## Caliation ## Cal		Sulfate	}	375.4		mg/L	Unfiltered	Cool 4°C
Bicarb. 310.1 mg/L Unfiltered Cool 40 mg/L Unfiltered H ₂ SO ₄ ; 4 MH ₃ -N EPA 350.2 mg/L Unfiltered H ₂ SO ₄ ; 4 MH ₄ -N Cal ₁ ation EPA 351.2 mg/L Unfiltered H ₂ SO ₄ ; 4 Mg/L Unfiltered Mg/L Unfiltered H ₂ SO ₄ ; 4 Mg/L Unfiltered Mg/L U		TDS		SM 209B	,	mg/L	Unfiltered	Cool 4°C
TOC NH ₃ -N NH ₄ -N Org. N TN Cal ₁ ation EPA 351.2 TN Cal ₁ ation Cal ₁ ation EPA 351.2 TN Cal ₁ ation EPA 351.2 Cal ₁ ation Cal ₁ ation Cal ₂ ation Matrata		Bicarb.		310.1		mg/L		Cool 4°C
NH ₄ -N Org. N EPA 350.2 Callation EPA 351.2 TN Callation Callation Callation Callation Coulation Callation Coulation Coula		TOC		415.1		mg/L		
Callation EPA 351.2 TN Callation EPA 351.2 Callation mg/L Unfiltered H2SO4;4 mg/L Unfiltered H2SO4;4	1	J .		EPA 350.2		mg/L		H ₂ SO ₄ ;4°C
TN Calculation mg/L Unfiltered H ₂ SO ₄ ;4	1	7		Cal- Culation		mg/L		H ₂ SO ₄ ;4°C
Calation mg/L Unfiltered H ₂ SO ₄ ;4		_		EPA 351.2		mg/L		H ₂ SO ₄ ;4°C
INITERATOR I MONTO A I VIII I		TN		Cal- culation		mg/L		•
1 1 1 1 1 1 1 1 2 3 4 3 1	ľ	Nitrate		EPA 353.2	Dry	mg/L		H ₂ SO ₄ ;4°C

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GMS /	Sample Date06/05/92
Monitoring Well # 4MW1	Well Type: [] Background
Well Name	Well Type: [] Background [] Site Boundary [] Intermediate
Classification of Groundwater Floridan	[] Compliance
Well Developed* Prior to Sample Collection (Yes/No) yes	Ground Water Elevation (above MSL) <u>32.84</u>

M Z M S I	Calcium Ianganese Inc Iagnesium odium ron	Well Wizard Ded. Mon. System	215.1 243.1 289.1 242.1 273.1	78.5 < 0.02 0.036 1.84	mg/L mg/L mg/L	Unfiltered Unfiltered Unfiltered	HNO ₃ ; 4°
Z M S I	inc agnesium odium ron	Ded. Mon.	289.1 242.1	0.036	}	1	HNO3;4°
M S I p	agnesium odium ron	Mon.	242.1	ì	mg/L	1	1 -
S I p	odium ron			1.84			HNO3;40
I p	ron	System	273.1		mg/L	Unfiltered	HNO ₃ ; 4°
p		i .		16.76	mg/L	Unfiltered	HNO3;40
l l	n i		236.1	0.05	mg/L	Unfiltered	HNO3; 40
			Electro.	7.38	Stdunits	Unfiltered	Field
5	pecific- cond.		(SM 205) reference	500	umhos/	Unfiltered	Field
T	urbidity		Nephelo- metric	0.10	NTU	Unfiltered	Cool 40
CI	hloride		SM 407A	77.7	mg/L	Unfiltered	4°C
Sı	ulfate		375.4	19.0	mg/L	Unfiltered	Cool 4°
i	DS		SM 209B	340	mg/L		Cool 4°
- 1	icarb.		310.1	6.7	1		Cool 40
ł	oc		415.1	< 0.90	mg/L		H ₂ SO ₄ ;4
- 1	¹ 3-N	·	EPA 350.2	0.182	mg/L		H ₂ SO ₄ ;4 ^C
	4-N		Cal- culation	0.160	mg/L		H ₂ SO ₄ ;4 ^C
ľ	g. N		EPA 351.2	0.11	mg/L		H ₂ SO ₄ ;4 ^C
TN			Cal- culation	1.08	mg/L	i	•
Ni	trate	ı	EPA 353.2	0.63			H ₂ SO ₄ ;4 ^c H ₂ SO ₄ ;4 ^c

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS #	Sample Date 06/05/92
Monitoring Well # 2MW2	Well Type: [] Background
Well Name	Well Type: [] Background [] Site Boundary [] Intermediate
Classification of Groundwater Surficial	[] Compliance
Well Developed Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation (above MSL)

TORE T Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	7.16	mg/L	Unfiltered	HNO ₃ ;4°C
	Manganese	Wizard	243.1	0.08	mg/L	Unfiltered	HNO ₃ ;4 ^o C
	Zinc	Ded.	289.1	0.025	mg/L	Unfiltered	HNO ₃ ;4°C
	Magnesium	Mon.	242.1	3.59	mg/L	Unfiltered	HNO ₃ ;4°C
	Sodium	System	273.1	3.50	mg/L	Unfiltered	HNO ₃ ;4°C
	Iron		236.1	1.47	mg/L	Unfiltered	HNO ₃ ;4°C
	рН		Electro.	6.03	Stdunits	Unfiltered	Field
	Specific-		(SM 205) reference	115	lumboo/	_	Field
	Turbidity		Nephelo-	23.2	NTU	Unfiltered	Cool 4°C
	Chloride		SM 407A	3.7	mg/L	Unfiltered	4°C
	Sulfate	٠.	375.4	< 1	mg/L		Cool 4°C
	TDS		SM 209B	140	mg/L		Cool 4°C
	Bicarb.		310.1	78.0	mg/L		Cool 4°C
	TOC	:	415.1	< 0.80	mg/L		н ₂ so ₄ ; 4 ° с
	ин ₃ -и		EPA 350.2	0.280	mg/L		H ₂ SO ₄ ;4°C
	NH ₄ -N		Cal- culation	6.42	mg/L		H ₂ SO ₄ ;4°C
	Org. N		EPA 351.2	0.04	mg/L		H ₂ SO ₄ ;4 ^O C
	TN		Cal- culation	1.63	mg/L		H ₂ SO ₄ ;4 ^o C
	Nitrate		EPA 353.2	11.4	_		H ₂ SO ₄ ;4°C
	Water Level			23.20	Feet		4

^{*}Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS /	Sample Date 06/05/92
Manitoring Well # 4MW2	
Well Name	Well Type: [] Background [] Site Boundary [] Intermediațe [] Compliance
Classification of Groundwater Floridan	[] Compliance
Well Developed* Prior to Sample Collection (Yes/No)	Ground Water Elevation (above MSL)

						(above MSL)r
STORET	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltere	
I I N C T	Calcium Manganese Zinc Magnesium Sodium Iron pH Specific- Turbidity Chloride Sulfate TDS Bicarb. FOC WH3-N WH4-N Org. N N itrate		215.1 243.1 289.1 242.1 273.1 236.1 Electro. (SM 205) ce Nephello SM 407A 375.4 SM 209B 310.1 415.1 EPA 350.2 Callation EPA 351.2 Callation EPA 353.2	31.3 ∠0.02 0.018 0.78 2.92 0.06 7.78	mg/L mg/L mg/L mg/L mg/L Stdits umhoss/ NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Unfiltered	HNO3;4°C HNO3;4°C HNO3;4°C HNO3;4°C HNO3;4°C HNO3;4°C HNO3;4°C COO1 4°C COO
"	ater Level			23.50		ļ	

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS /	Sample Date06/05/92
Monitoring Well # 2MW4	Well Type: [] Background
Well Name	Well Type: [] Background [] Site Boundary [] Intermediate [] Compliance
Classification of Groundwater Surficial	[] Compliance
Well Developed* Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation (above MSL) Dry

	-					(above MSL) Dry
STORE T Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltered	1
1	Calcium Manganese Zinc Magnesium Sodium Iron pH Specific- Turbidity Chloride Sulfate TDS Bicarb. TOC NH ₃ -N NH ₄ -N Org. N TN Nitrate		215.1 243.1 289.1 242.1 273.1 236.1 Electro. (SM 205) reference Nephetrac SM 407A 375.4 SM 209B 310.1 415.1 EPA 350.2 Callation EPA 351.2 Callation EPA 353.2	Dry	umhos/ NTU mg/L mg/L mg/L mg/L mg/L mg/L mg/L mg/L	Unfiltered	Added HNO3;4°C HNO3;4°C HNO3;4°C HNO3;4°C HNO3;4°C HNO3;4°C Cool 4°C Cool 4°C Cool 4°C Cool 4°C Cool 4°C H2SO4;4°C H2SO4;4°C H2SO4;4°C H2SO4;4°C H2SO4;4°C
- 1			į		i	ļ	

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS /	Sample Date 06/05/92
Monitoring Well # 4MW4 Well Name	Well Type: [] Background [] Site Boundary [] Intermediate [] Compliance
Classification of Groundwater Floridan	[] Intermediațe [] Compliance
Well Developed* Prior to Sample Collection (Yes/No) <u>Yes</u>	Ground Water Elevation

						(45044 435	· ———
STORE T Code	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltere	
	Calcium	Well	215.1	55.3	mg/L	Unfiltered	Added
	Manganese	Wizard	243.1	<0.02	mg/L	Unfiltered	HNO ₃ ;4°C
	Zinc	Ded.	289.1	0.017	mg/L	Unfiltered	HNO ₃ ;4°C
	Magnesium	Mon.	242.1	1.23	mg/L	Unfiltered	HNO ₃ ;4°C
	Sodium	System	273.1	3.35	mg/L	Unfiltered	HNO ₃ ; 4°C
	Iron		236.1	0.06	mg/L	Unfiltered	HNO ₃ ;4°C
	рH		Electro.	7.10	1942	Unfiltered	HNO ₃ ;4 ^O C Field
	Specific-		(SM 205) reference	260	umhos/		
j	Turbidity		Nephelo- metric	0.279	NTU	Unfiltered	Field
[Chloride .	!	SM 407A	5.2	mg/L	Unfiltered	Cool 4°C
	Sulfate		375.4	9.4	mg/L	Unfiltered Unfiltered	4°C
ľ	TDS		SM 209B	182	mg/L	Unfiltered	Cool 4°C
[:	Bicarb.		310.1	129.0	mg/L	J	Cool 4°C
1	TOC		415.1	<0.50	mg/L	l.,	Cool 4°C
. 1	NH ₃ -N		EPA 350.2	0.350	_		н ₂ so ₄ ;4°с
1	NH ₄ -N		Cal- culation	0.622	•	L	H ₂ SO ₄ ;4 ^o C
(Org. N	ļ	EPA 351.2	0.022	_	L	H ₂ SO ₄ ;4 ^O C
1	r n	k	Cal- culation	1.58			H ₂ SO ₄ ;4 ^O C
N	litrate	9	PA 353.2	0.570			H ₂ SO ₄ ;4 ^o C
		İ		0.570	шΚ\Γ	Unfiltered	4 ₂ 50 ₄ ;4 ⁰ C
.],	Water Level	ļ	1	25.0		ļ	
	1	1	i	1	1	Į.	

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS #	Sample Date06/05/92
Monitoring Well # 2MW5	Well Type: [] Reckground
Well Name	Well Type: [] Background [] Site Boundary [] Intermediațe [] Compliance
Classification of Groundwater Surficial	[] Compliance
Well Developed* Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation (above MSL)

e Monit	neter ored	Sampling Method	Analysis Method		alysis esult	Units	Sample Filtered/Unfiltere	Preser- d vatives Added
Calci	n mr	Vell	215.1	Dr	÷у	mg/L	Unfiltered	HNO3;4°C
Manga	rese	lizard	243.1			mg/L	Unfiltered	HNO3;4°C
Zinc	I	Ded.	289.1			mg/L	Unfiltered	HNO3;4°C
Magnes	ium	fon.	242.1			mg/L	Unfiltered	HNO ₃ ; 4°C
Sodiur	ı s	ystem	273.1	}		mg/L	Unfiltered	HNO3;4°C
Iron			236.1			mg/L	Unfiltered	HNO ₃ ; 4°C
рН			Electro.			SEA	Unfiltered	Field
Specif	1		(SM 205) reference			umhos/	Unfiltered	Field
Turbid			Nephelo-			NTU	Unfiltered	Cool 4°C
Chlori	1		SM 407A			mg/L	Unfiltered	4°C
Sulfat	e		375.4			mg/L	Unfiltered	Cool 4 ⁰ C
TDS			SM 209B	1		mg/L	Unfiltered	Cool 4°C
Bicarb	•		310.1	l		mg/L	Unfiltered	Cool 4°C
TOC	ľ		415.1			mg/L	Unfiltered	H ₂ SO ₄ ;4°C
NH3-N		þ	EPA 350.2			mg/L		H ₂ SO ₄ ;4 ^O C
NH ₄ -N		k	Cal- culation		-	1 '		H ₂ SO ₄ ;4°C
Org. N		þ	EPA 351.2					H ₂ SO ₄ ;4°C
TN		ķ	Cal- culation			mg/L		H ₂ SO ₄ ;4 ^O C
Nitrat		į.	EPA 353.2	Dry		mg/L	•	H ₂ SO ₄ ;4 ^o C

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GMS #	Sample Date 06/05/92
Monitoring Well # 4MW5	, Well Type: [] Background
Well Name	Well Type: [] Background [] Site Boundary []'Intermediate
Classification of Groundwater Floridan	[] Compliance
Well Developed* Prior to	Ground Water Elevation

Well Developed* Prior to Sample Collection (Yes/No) YES	Ground Water Elevation (above MSL) 26.41 ft

ì		Method	Analysis Hethod	Analysis Result	Units	Sample Filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	6.08	mg/L	Unfiltered	HNO3;4°C
	Manganese	Wizard	243.1	<0.02	mg/L	Unfiltered	HNO3;4°C
ļ	Zinc	Ded.	289.1	0.013	mg/L	Unfiltered	HNO ₃ ; 4°C
	Magnesium	Mon.	242.1	0.31	mg/L	Unfiltered	HNO3;4°C
l	Sodium	System	273.1	6.38	mg/L	Unfiltered	HNO ₃ ;4°C
1	Iron		236.1	0.05	mg/L	Unfiltered	HNO3;4°C
	pН		Electro.	8.45	Stdunits	Unfiltered	Field
	Specific-		(SM 205) reference	75	umhos/	Unfiltered	Field
]	Turbidity		Nephelo- metric	0.468	טדע	Unfiltered	Cool 40
<u></u>	Chloride '		SM 407A	4.6	mg/L	Unfiltered	4°C
1	Sulfate		375.4	< 1	mg/L	Unfiltered	Coo1 4 ⁰ C
	TDS		SM 209B	48	mg/L	1 1	Cool 4°C
	Bicarb.		310.1	48.0	mg/L	Unfiltered	Cool 4°C
7	TOC		415.1	< 0.50	mg/L	ł ·	H2SO4;40
1	NH ₃ -N		EPA 350.2	0.175	mg/L	1	H ₂ SO ₄ ;4 ^o
Ŋ	NH ₄ -N		Cal- culation	0.02	mg/L	1	H ₂ SO ₄ ;4 ^o
1	Org. N		EPA 351.2	0.06	mg/L	1	H ₂ SO ₄ ;4 ^o
r	rn ·		Cal- culation	0.421	mg/L	1	12 4 1 H ₂ SO ₄ ;4 ⁰
N	Nitrate		EPA 353.2	0.17		l l	H ₂ SO ₄ ;4 ^o

^{*}Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS •	Sample Date06/05/92
Monitoring Well # 2MW6	Well Type: [] Background
Well Name	Well Type: [] Background [] Site Boundary [] Intermediate
Classification of Groundwater <u>Surficial</u>	[] Compliance
Well Developed* Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation (above MSL) Dry

	,		• -			(above MSL)	Dry_
TORE T	Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample filtered/Unfiltered	Preser- vatives Added
	Calcium	Well	215.1	Dry	mg/L	Unfiltered	
	Manganese	Wizard	243.1		mg/L	Unfiltered	HNO ₃ ;4 ⁰ (
	Zinc	Ded.	289.1		mg/L	Unfiltered	HNO3;4°C
	Magnesium	Mon.	242.1		mg/L	Unfiltered	HNO ₃ ; 4°C
	Sodium	System	273.1		mg/L	Unfiltered	HNO ₃ ;4°C
	Iron		236.1		mg/L	Unfiltered	HNO3;4°C
	pН		Electro.		Stdunits	Unfiltered	Field
·	Specific- cond.		(SM 205) reference		umhos/	Unfiltered	Field
	Turbidity		Nephelo- metric		NTU	Unfiltered	Cool 4°C
i	Chloride		SM 407A		mg/L	Unfiltered	4°C
ı,	Sulfate		375.4		.mg/L	Unfiltered	Cool 4 ⁰ (
i	TDS		SM 209B		mg/L	Unfiltered	Cool 4 ⁰ C
ı	Bicarb.	<u> </u>	310.1		mg/L	Unfiltered	Cool 4°C
	TOC	i .	415.1		mg/L	Unfiltered	н ₂ so ₄ ;4 ^о
	NH ₃ -N	1 :	EPA 350.2		mg/L	Unfiltered	н ₂ so ₄ ;4 ^о
f	NH ₄ -N Org. N		Cal- culation		1		H ₂ SO ₄ ;4 ^o
- 1	TN	ł .	EPA 351.2		mg/L	Unfiltered	H ₂ SO ₄ ;4 ^o
1			Cal- culation		mg/L	Unfiltered	H ₂ SO ₄ ;4 ⁰
1	Nitrate		EPA 353.2	Dry	mg/L	1	H ₂ SO ₄ ;4°
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*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.

GHS /	Sample Date 06/05/92
Manitoring Well # 4MW6	
Well Name	Well Type: [] Background [] Site Boundary [] Intermediațe [] Compliance
Classification of Groundwater Floridan	[] Compliance
Well Developed+ Prior to Sample Collection (Yes/No) Yes	Ground Water Elevation (above MSL) 29.93
	(00048 H3C)

ET - Parameter Monitored	Sampling Method	Analysis Method	Analysis Result	Units	Sample Filtered/Unfiltere	Preser- vatives Added
Calcium	Well	215.1	21.8	mg/L	Unfiltered	HNO3;4°C
Manganese	Wizard	243.1	<0.02	mg/L	Unfiltered	HNO ₃ ; 4°C
Zinc	Ded.	289.1	0.017	mg/L	Unfiltered	HNO ₃ ; 4°C
Magnesium	Mon.	242.1	0.58	mg/L	Unfiltered	, ,
Sodium	System	273.1	3.77	mg/L	Unfiltered	HNO ₃ ;4°C
Iron		236.1	0.06	mg/L	Unfiltered	HNO ₃ ;4°C
pН		Electro.	8.20	Std	Unfiltered	HNO ₃ ;4 ^o C Field
Specific-		(SM 205) reference	120	umhos/	1	
Turbidity		Nephelo- metric	0.196	NTU	Unfiltered Unfiltered	Field
Chloride		SM 407A	5.1	mg/L	Unfiltered Unfiltered	Cool 4°C
Sulfate		375.4	∠1	mg/L	į	4°C
TDS		SM 209B	83	mg/L	l	Cool 4°C
Bicarb.		310.1	49.9	1	j i	Cool 4°C
TOC		415.1	<0.50	1	l .	Cool 4°C
NH ₃ -N		EPA 350.2	0.210	1		H ₂ SO ₄ ;4°C
NH ₄ -N	k	Cal- culation	0.03			H ₂ SO ₄ ;4°C
Org. N	ļ	EPA 351.2	0.07			H ₂ SO ₄ ;4 ^o C
TN	k	Cal- culation	1.30			H ₂ SO ₄ ;4 ^o C
Nitrate	1	EPA 353.2	0.99	_	[¹ 2 ^{SO} 4;4 [°] C ¹ 2 ^{SO} 4;4 [°] C

*Well development is the process of pumping the well prior to sampling in order to obtain representative ground water sample.