



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

PASCO COUNTY, FLORIDA

RESOURCE RECOVERY FACIL
4051C 00030
WACS 45799
1st SEMI-ANNUAL 1999 G-WMR
CI

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

13 May 1999

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 I, 1999

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 first semester 1999 (Jan-Jun) sampling period. These wells were analyzed for the parameters listed in 62-701(8)(a) Florida Administrative Code. All associated Quality Assurance/Quality Control data is also included for all analyses.

Groundwater monitoring wells 2MW2 and 4MW1 exceeded the MCL for various analytes as listed in the attached groundwater exceedence summary table. Several wells were positive for cobalt and vanadium which are unregulated analytes and do not have MCL's. 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

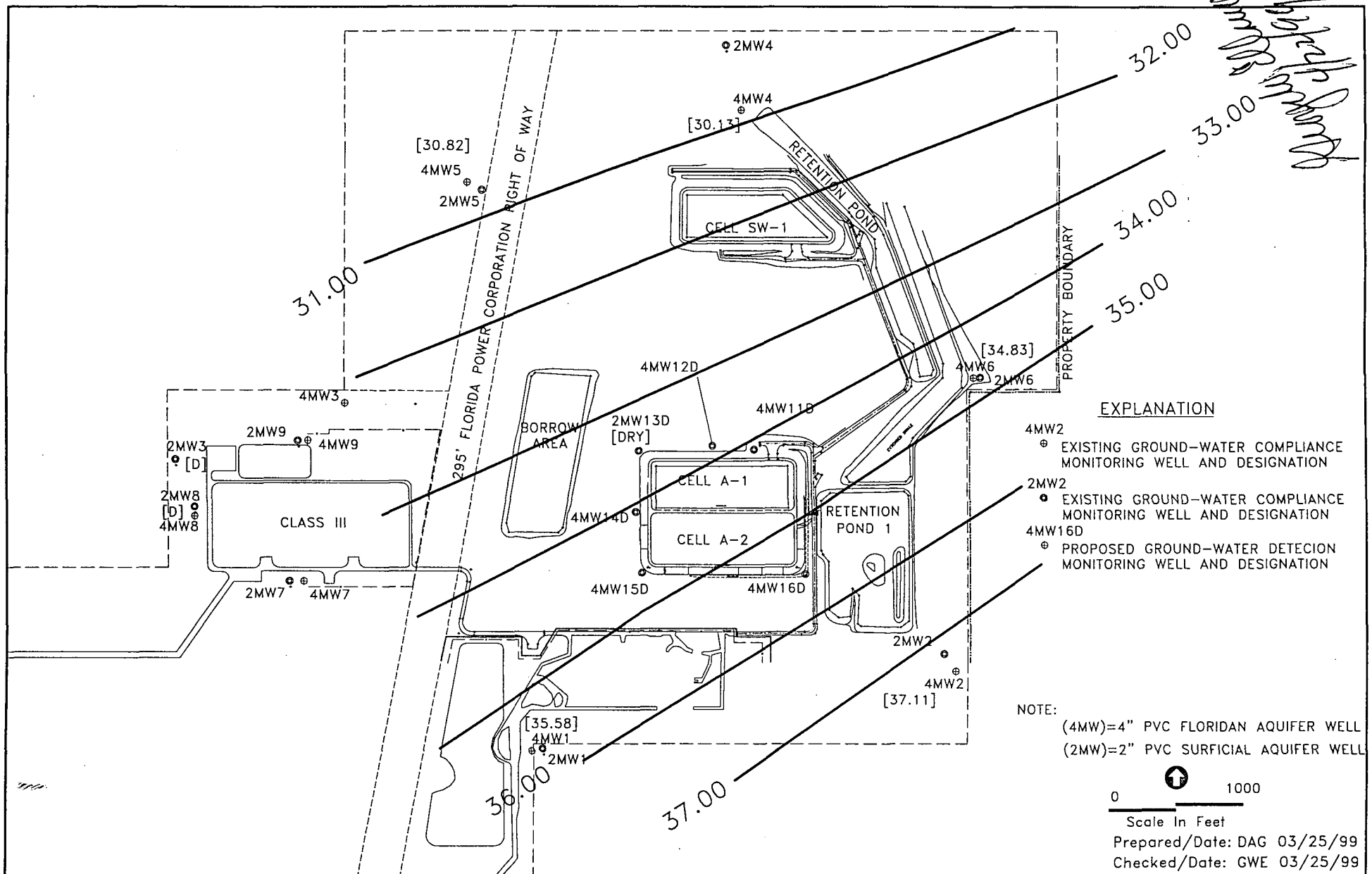
RECEIVED

MAY 17 1999

Solid Waste Section

**WEST PASCO CLASS I LANDFILL
EXCEEDED ANALYTES
SEMESTER I - 1999**

WELL	ANALYTE	RESULT (mg/L)	RESAMPLE (mg/L)
2MW2	NITRATE	11.7	NONE TAKEN
4MW-1	CHLORIDE	277	NONE TAKEN
	TDS	1480	NONE TAKEN
	THALLIUM	0.0021	NONE TAKEN



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

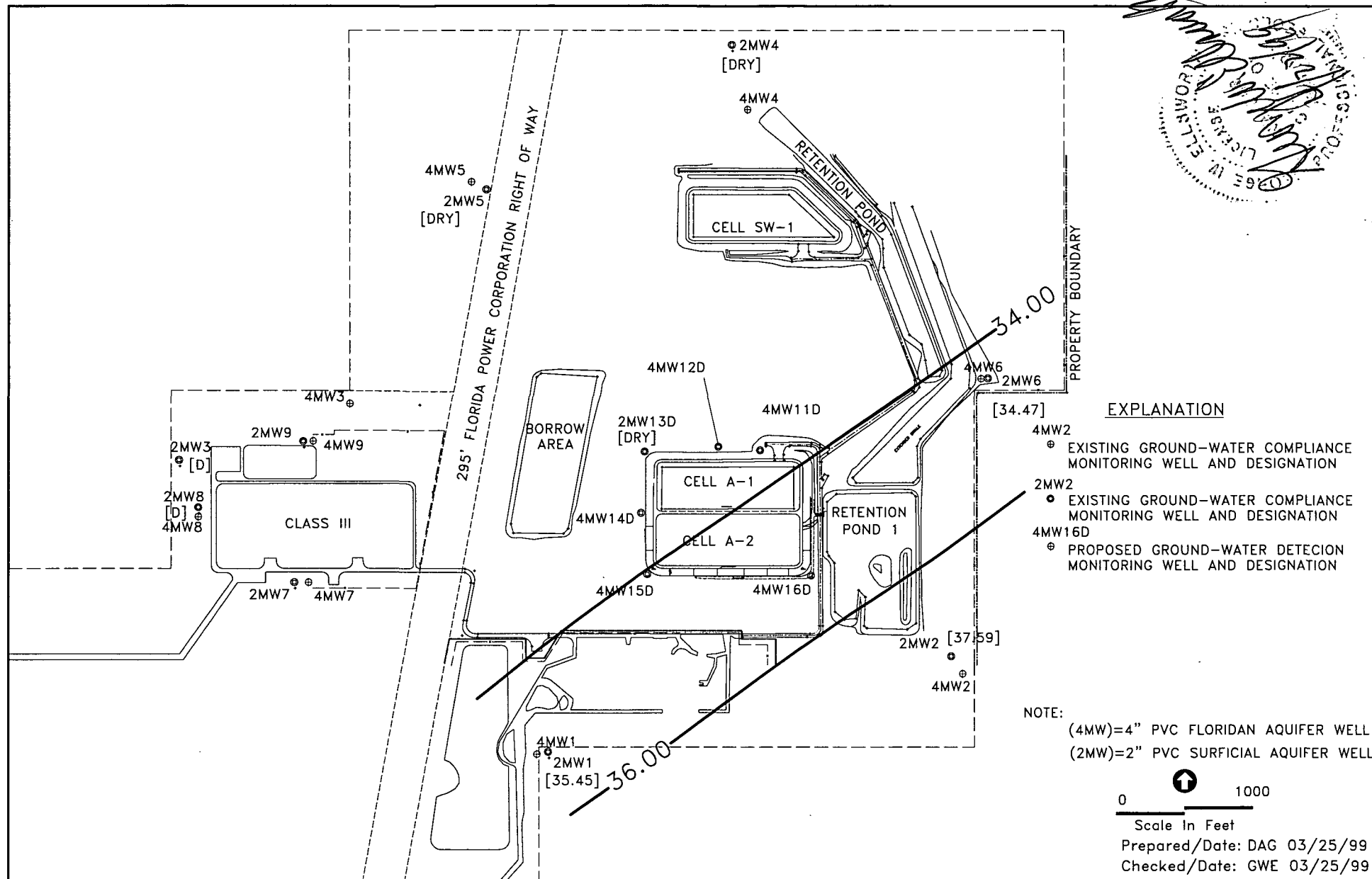


LAW
ENGINEERING AND ENVIRONMENTAL
SERVICES

GROUND WATER MONITORING
FLORIDAN AQUIFER POTENTIOMETRIC SURFACE
FEBRUARY 1999

Project 40141-8-0451

Figure 2



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



LAW
ENGINEERING AND ENVIRONMENTAL
SERVICES

GROUND WATER MONITORING
SURFACE AQUIFER WATER TABLE
FEBRUARY 1999

Project 40141-8-0451

Figure 1

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

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

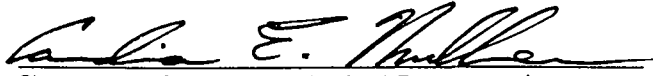
PART I - GENERAL INFORMATION

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

Certification

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

Date: _____


Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

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

Comp QAP #/HRS Certification #910150; E86278 Toxicon Corporation

Lab Name: Broward Testing Laboratory

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

Phone Number: (216) 449-2525

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



March 12, 1999

Candia Mulhern
Pasco County
8864 Government Dr.
New Port Richey, FL 34654

Client:	Pasco County
Project [Reference]:	Resource Recovery CL-I Landfill [9001304]
Date Received:	February 9, 1999

Analytical results presented in this report have been reviewed for compliance with the laboratory quality assurance plan and applicable quality control criteria. The quality control parameters evaluated have been summarized on the Quality Control Summary page immediately following this cover sheet. Applicable quality control standards have been met unless otherwise noted on the Quality Control Summary page:

FDOH (HRS) Environmental Certification Number: E96080, E83509, E82417, E85370, E84418

FDOH (HRS) Drinking Water Certification Number: 96230, 83486, 82500, 85512, 84526

FDEP CompQAP Approval Number: 870174

NOTE: This document and the Quality Control Summary page are included as part of the Analytical Report for the above referenced project and should be retained as a permanent record thereof.

If you have any questions regarding this report, or if we can be of further assistance, please feel free to call (561) 465-2400 ext. 285 and ask to speak with a project manager.

A handwritten signature in black ink, appearing to read "Terrie Silcox".

Terrie Silcox
Project Manager

A handwritten signature in black ink, appearing to read "N. Myron Gunsalus, Jr.".

N. Myron Gunsalus, Jr.
Laboratory Director



Quality Control Summary

- **Laboratory Blank:** All analytes were below Reporting detection Limits (RDL).
- **Laboratory Control Sample:** Recoveries for analytes were within laboratory accuracy limits.
- **Matrix Spike/Matrix Spike Duplicate:** Recoveries for analytes were within laboratory precision

Method 6010:

The matrix spike and the matrix spike duplicate were outside of laboratory control limits for cadmium, lead, and silver due to suspected matrix effect. Precision was within limits, thus confirming the existence of a matrix effect. Accuracy was demonstrated in the laboratory control sample. All other quality control criteria was met.

A handwritten signature in black ink, appearing to read "Eric Charest".

Eric Charest

Quality Assurance Manager

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/29/99 @ 1215
 Test Site ID #: 4051A16506 Report Period: 1999 / Quarter I
 (year/quarter)
 Well Name: 2MW-1 Well Purged (Y/N): YES
 Classification of Groundwater: Surficial Well Type: (XXX) Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ () Compliance
 () Other
 or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	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 #: 4051C00030

Sampling Date/Time: 02/08/99 @ 1135

Test Site ID #: 4051A16507

Report Period: 1999 / Quarter I
(year/quarter)

Well Name: 2MW-2

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

Well Type: () Background

Groundwater Elevation (NGVD):

() Intermediate

(XXX) Compliance

() Other

or (MSL): 37.59

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.	No	SM 3111B	02/12/99 1330	3.46 mg/L	0.01 mg/L
		Ded. Mon.					
		System					
001045	Iron	"		SM 3111B	02/12/99 1250	<0.02 mg/L	0.02 mg/L
071900	Mercury	"		SM 3112B	02/16/99 1600	0.0006 mg/L	0.0002 mg/L
000400	pH-Field	"		SM 4500H + B	02/08/99 1135	6.40 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"		SM 2550B	02/08/99 1135	23.60 °C	0 °C
000095	Specific Cond. (Field)	"		SM 2510B	02/08/99 1135	165 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"		SM 45000G	02/08/99 1135	3.90 mg/L	0.0 mg/L
082079	Turbidity	"		SM 2130B	02/08/99 1445	0.37 NTU	0.01 NTU
000940	Chloride	"		SM 4500Cl-B	02/15/99 1200	5.14 mg/L	0.15 mg/L
070300	Total Dis. Solids	"		SM 2540C	02/09/99 1100	184 mg/L	1 mg/L
000610	Ammonia	"		SM 4500NH ₃ H	02/09/99 1400	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"		SM 4500NO ₃ F	02/10/99 1530	11.7 mg/L	0.11 mg/L
072020	Water Level (MSL)	"			02/08/99 1135	37.59 Feet	Feet

*Attach Laboratory Reports

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5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



PART III ANALYTICAL RESULTS

Facility GMS# : _____

Test Site ID# : _____

Well Name: 2mw2

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001304001

Sampling Date/Time: 02/08/99 11:35

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☐ Background
☐ Intermediate
☐ Compliance
☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
001097	Antimony	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	4.0 ug/L
001002	Arsenic	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	3.2 ug/L
001007	Barium	G	N	SW-846 6010	02/21/99 18:48	180 ug/L	1.8 ug/L
001012	Beryllium	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	02/21/99 18:48	0.82 ug/L	0.70 ug/L
001034	Chromium	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	1.8 ug/L
001037	Cobalt	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	1.0 ug/L
001042	Copper	G	N	SW-846 6010	02/21/99 18:48	5.5 ug/L	1.4 ug/L
001051	Lead	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	02/21/99 18:48	2.2 ug/L	2.0 ug/L
001147	Selenium	G	N	SW-846 6010	02/21/99 18:48	4.1 ug/L	2.1 ug/L
001077	Silver	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	1.0 ug/L
001087	Vanadium	G	N	SW-846 6010	02/21/99 18:48	0.55 ug/L	0.40 ug/L
001092	Zinc	G	N	SW-846 6010	02/21/99 18:48	ND ug/L	100 ug/L
001059	Thallium	G	N	SW-846 7841	02/22/99 16:18	ND ug/L	1.2 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/10/99 22:05	ND ug/L	0.0021 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/10/99 22:05	ND ug/L	0.0023 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.59 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.1 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.58 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.1 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.51 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.6 ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 2mw2

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001304001

Sampling Date/Time: 02/08/99 11:35

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☐ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.1 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.7 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.59 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.75 ug/L
077103	2-Hexanone	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.43 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.79 ug/L
081552	Acetone	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.91 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	2.4 ug/L
034030	Benzene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.34 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.91 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.80 ug/L
032104	Bromoform	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.5 ug/L
034413	Bromomethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.44 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.63 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.35 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.54 ug/L
034311	Chloroethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.63 ug/L
032106	Chloroform	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.66 ug/L
034418	Chloromethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.65 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.1 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.32 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.86 ug/L
081522	Dibromomethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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561-465-2400, Ext. 285

FDEP QAP 870174

**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 2mw2

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001304001

Sampling Date/Time: 02/08/99 11:35

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☐ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034371	Ethylbenzene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.48 ug/L
077424	Methyl iodide	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.6 ug/L
034423	Methylene chloride	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.2 ug/L
077128	Styrene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.67 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.90 ug/L
034010	Toluene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.40 ug/L
081551	Total Xylenes	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.5 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.47 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.46 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.79 ug/L
039180	Trichloroethene	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.66 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.86 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	1.4 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	02/11/99 18:48	ND ug/L	0.27 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99 @ 0915
 Test Site ID #: 4051A16508 Report Period: 1999 / Quarter I
 (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 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 #: 4051C00030 Sampling Date/Time: 02/09/99 @ 1045

Test Site ID #: 4051A16509 Report Period: 1999 / Quarter I
(year/quarter)

Well Name: 2MW-5 Well Purged (Y/N): YES

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	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 #: 4051C00030 Sampling Date/Time: 02/08/99 @ 1100
 Test Site ID #: 4051A16510 Report Period: 1999 / Quarter I
 (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

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 02/09/99 @ 1320

Test Site ID #: 4051A16511

Report Period: 1999 / Quarter I
(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): 35.58

W2386

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	02/12/99 1330	110 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	02/12/99 1250	<0.02 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	02/16/99 1600	0.0009 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B	02/09/99 1320	7.00 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/09/99 1320	24.90 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/09/99 1320	1,275 μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/09/99 1320	0.70 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/09/99 1500	0.07 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/15/99 1200	277 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/09/99 1500	1,480 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	02/16/99 1400	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	02/10/99 1530	<0.11 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		02/09/99 1320	35.58 Feet	Feet

*Attach Laboratory Reports

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174

**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mw1

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001356003

Sampling Date/Time: 02/09/99 13:20

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☒ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
001097	Antimony	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	4.0	ug/L
001002	Arsenic	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	3.2	ug/L
001007	Barium	G	N	SW-846 6010	02/21/99 19:49	51	ug/L	1.8	ug/L
001012	Beryllium	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	1.0	ug/L
001027	Cadmium	G	N	SW-846 6010	02/21/99 19:49	0.83	ug/L	0.70	ug/L
001034	Chromium	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	1.8	ug/L
001037	Cobalt	G	N	SW-846 6010	02/21/99 19:49	1.7	ug/L	1.0	ug/L
001042	Copper	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	1.4	ug/L
001051	Lead	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	3.0	ug/L
001067	Nickel	G	N	SW-846 6010	02/21/99 19:49	4.6	ug/L	2.0	ug/L
001147	Selenium	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	2.1	ug/L
001077	Silver	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	1.0	ug/L
001087	Vanadium	G	N	SW-846 6010	02/21/99 19:49	2.6	ug/L	0.40	ug/L
001092	Zinc	G	N	SW-846 6010	02/21/99 19:49	ND	ug/L	100	ug/L
001059	Thallium	G	N	SW-846 7841	02/22/99 16:18	2.1	ug/L	1.2	ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/19/99 0:44	ND	ug/L	0.0022	ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/19/99 0:44	ND	ug/L	0.0024	ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.59	ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.1	ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.0	ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.58	ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.1	ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.51	ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.6	ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mw1

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001356003

Sampling Date/Time: 02/09/99 13:20

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☐ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	1.1 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	1.7 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.59 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	1.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.75 ug/L
077103	2-Hexanone	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.43 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.79 ug/L
081552	Acetone	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.91 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	2.4 ug/L
034030	Benzene	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.34 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.91 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.80 ug/L
032104	Bromoform	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	1.5 ug/L
034413	Bromomethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.44 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.63 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.35 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.54 ug/L
034311	Chloroethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.63 ug/L
032106	Chloroform	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.66 ug/L
034418	Chloromethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.65 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	1.1 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.32 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	0.86 ug/L
081522	Dibromomethane	G	N	SW-846 8260	02/11/99 23:42	ND ug/L	1.0 ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4MW1

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001356003

Sampling Date/Time: 02/09/99 13:20

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☐ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
034371	Ethylbenzene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.48	ug/L
077424	Methyl iodide	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.6	ug/L
034423	Methylene chloride	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.2	ug/L
077128	Styrene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.67	ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.90	ug/L
034010	Toluene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.40	ug/L
081551	Total Xylenes	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.5	ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.47	ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.46	ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.79	ug/L
039180	Trichloroethene	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.66	ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.86	ug/L
077057	Vinyl acetate	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	1.4	ug/L
039175	Vinyl chloride	G	N	SW-846 8260	02/11/99 23:42	ND	ug/L	0.27	ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/08/99 @ 1250

Test Site ID #: 4051A16512 Report Period: 1999 / Quarter I
(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): 37.11 *W2387*

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	02/12/99 1330	2.70 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	02/12/99 1250	<0.02 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	02/16/99 1600	0.0009 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	02/08/99 1250	6.92 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/08/99 1250	25.20 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/08/99 1250	155 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/08/99 1250	1.10 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/08/99 1445	0.07 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/15/99 1200	4.28 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/09/99 1100	123 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	02/09/99 1400	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	02/10/99 1530	1.33 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		02/08/99 1250	37.11 Feet	Feet

*Attach Laboratory Reports

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mw2

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001304002

Sampling Date/Time: 02/08/99 12:50

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☒ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
001097	Antimony	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	4.0 ug/L
001002	Arsenic	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	3.2 ug/L
001007	Barium	G	N	SW-846 6010	02/21/99 18:53	4.7 ug/L	1.8 ug/L
001012	Beryllium	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	0.70 ug/L
001034	Chromium	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	1.8 ug/L
001037	Cobalt	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	1.0 ug/L
001042	Copper	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	1.4 ug/L
001051	Lead	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	2.0 ug/L
001147	Selenium	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	2.1 ug/L
001077	Silver	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	1.0 ug/L
001087	Vanadium	G	N	SW-846 6010	02/21/99 18:53	5.2 ug/L	0.40 ug/L
001092	Zinc	G	N	SW-846 6010	02/21/99 18:53	ND ug/L	100 ug/L
001059	Thallium	G	N	SW-846 7841	02/22/99 16:18	ND ug/L	1.2 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/10/99 22:21	ND ug/L	0.0020 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/10/99 22:21	ND ug/L	0.0022 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.59 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.1 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.58 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.1 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.51 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.6 ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mw2

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001304002

Sampling Date/Time: 02/08/99 12:50

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☒ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.1 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.7 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.59 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.75 ug/L
077103	2-Hexanone	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.43 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.79 ug/L
081552	Acetone	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.91 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	2.4 ug/L
034030	Benzene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.34 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.91 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.80 ug/L
032104	Bromoform	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.5 ug/L
034413	Bromomethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.44 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.63 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.35 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.54 ug/L
034311	Chloroethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.63 ug/L
032106	Chloroform	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.66 ug/L
034418	Chloromethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.65 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.1 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.32 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.86 ug/L
081522	Dibromomethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.0 ug/L

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**PART III ANALYTICAL RESULTS**

HBEL Sample ID: 9001304002

Facility GMS# : _____

Sampling Date/Time: 02/08/99 12:50

Test Site ID# : _____

Report Period: _____

Well Name: 4mw2

Well Purged (Y/N) : _____

Classification of Ground Water: _____

Well Type: ☐ Background☐ Intermediate

Ground Water Elevation (NGVD) : _____

☐ Compliance

or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034371	Ethylbenzene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.48 ug/L
077424	Methyl iodide	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.6 ug/L
034423	Methylene chloride	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.2 ug/L
077128	Styrene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.67 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.90 ug/L
034010	Toluene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.40 ug/L
081551	Total Xylenes	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.5 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.47 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.46 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.79 ug/L
039180	Trichloroethene	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.66 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.86 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	1.4 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	02/11/99 19:32	ND ug/L	0.27 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99 @ 1030

Test Site ID #: 4051A16513 Report Period: 1999 / Quarter I
(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): W2388
or (MSL): 30.13

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	02/12/99 1330	3.15 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	02/12/99 1250	0.03 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	02/16/99 1600	0.0003 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B	02/09/99 1030	7.30 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/09/99 1030	23.90 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/09/99 1030	285 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/09/99 1030	1.50 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/09/99 1500	0.46 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/15/99 1200	8.45 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/09/99 1500	252 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	02/16/99 1400	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	02/10/99 1530	0.58 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		02/09/99 1030	30.13 Feet	Feet

*Attach Laboratory Reports

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PART III ANALYTICAL RESULTS

Facility GMS# : _____
Test Site ID# : _____

Well Name: 4mw4

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____
or (MSL): _____

HBEL Sample ID: 9001356001

Sampling Date/Time: 02/09/99 10:30

Report Period: _____

Well Purged (Y/N) : Y

Well Type: ☒ Background

☐ Intermediate

☐ Compliance

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
001097	Antimony	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	4.0 ug/L
001002	Arsenic	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	3.2 ug/L
001007	Barium	G	N	SW-846 6010	02/21/99 19:40	6.3 ug/L	1.8 ug/L
001012	Beryllium	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	0.70 ug/L
001034	Chromium	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	1.8 ug/L
001037	Cobalt	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	1.0 ug/L
001042	Copper	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	1.4 ug/L
001051	Lead	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	2.0 ug/L
001147	Selenium	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	2.1 ug/L
001077	Silver	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	1.0 ug/L
001087	Vanadium	G	N	SW-846 6010	02/21/99 19:40	3.5 ug/L	0.40 ug/L
001092	Zinc	G	N	SW-846 6010	02/21/99 19:40	ND ug/L	100 ug/L
001059	Thallium	G	N	SW-846 7841	02/22/99 16:18	ND ug/L	1.2 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/19/99 4:39	ND ug/L	0.0022 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/19/99 4:39	ND ug/L	0.0024 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.59 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.1 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.58 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.1 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.51 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.6 ug/L

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**PART III ANALYTICAL RESULTS**

HBEL Sample ID: 9001356001

Facility GMS# : _____

Sampling Date/Time: 02/09/99 10:30

Test Site ID# : _____

Report Period: _____

Well Name: 4mw4

Well Purged (Y/N) : _____

Classification of Ground Water: _____

Well Type: ☐ Background☐ Intermediate

Ground Water Elevation (NGVD) : _____

☐ Compliance

or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	1.1	ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	1.7	ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.59	ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	1.0	ug/L
081595	2-Butanone	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.75	ug/L
077103	2-Hexanone	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.43	ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.79	ug/L
081552	Acetone	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.91	ug/L
034215	Acrylonitrile	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	2.4	ug/L
034030	Benzene	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.34	ug/L
077297	Bromochloromethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.91	ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.80	ug/L
032104	Bromoform	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	1.5	ug/L
034413	Bromomethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.44	ug/L
077041	Carbon disulfide	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.63	ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.35	ug/L
034301	Chlorobenzene	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.54	ug/L
034311	Chloroethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.63	ug/L
032106	Chloroform	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.66	ug/L
034418	Chloromethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.65	ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	1.1	ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.32	ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	0.86	ug/L
081522	Dibromomethane	G	N	SW-846 8260	02/11/99 22:13	ND	ug/L	1.0	ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

HBEL Sample ID: 9001356001

Sampling Date/Time: 02/09/99 10:30

Report Period: _____

Well Purged (Y/N) : _____

Well Name: 4mw4

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

Well Type: ☒ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034371	Ethylbenzene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.48 ug/L
077424	Methyl iodide	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.6 ug/L
034423	Methylene chloride	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.2 ug/L
077128	Styrene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.67 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.90 ug/L
034010	Toluene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.40 ug/L
081551	Total Xylenes	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.5 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.47 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.46 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.79 ug/L
039180	Trichloroethene	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.66 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.86 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	1.4 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	02/11/99 22:13	ND ug/L	0.27 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99 @ 1145

Test Site ID #: 4051A/6514 Report Period: 1999 / Quarter I
(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): W2389
or (MSL): 30.82

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	02/12/99 1330	9.86 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	02/12/99 1250	<0.02 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	02/16/99 1600	0.0003 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B	02/09/99 1145	7.37 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/09/99 1145	23.30 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/09/99 1145	445 µmhos/cm	0.0 µmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/09/99 1145	1.10 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/09/99 1500	0.10 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/15/99 1200	80.8 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/09/99 1500	682 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	02/16/99 1400	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	02/10/99 1530	1.30 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		02/09/99 1145	30.82 Feet	Feet

*Attach Laboratory Reports

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

HBEL Sample ID: 9001356002

Sampling Date/Time: 02/09/99 11:45

Report Period: _____

Well Purged (Y/N) : _____

Well Name: 4mws

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

- Well Type: ☐ Background
☐ Intermediate
☐ Compliance
☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
001097	Antimony	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	4.0	ug/L
001002	Arsenic	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	3.2	ug/L
001007	Barium	G	N	SW-846 6010	02/21/99 19:44	8.6	ug/L	1.8	ug/L
001012	Beryllium	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	1.0	ug/L
001027	Cadmium	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	0.70	ug/L
001034	Chromium	G	N	SW-846 6010	02/21/99 19:44	2.4	ug/L	1.8	ug/L
001037	Cobalt	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	1.0	ug/L
001042	Copper	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	1.4	ug/L
001051	Lead	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	3.0	ug/L
001067	Nickel	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	2.0	ug/L
001147	Selenium	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	2.1	ug/L
001077	Silver	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	1.0	ug/L
001087	Vanadium	G	N	SW-846 6010	02/21/99 19:44	3.5	ug/L	0.40	ug/L
001092	Zinc	G	N	SW-846 6010	02/21/99 19:44	ND	ug/L	100	ug/L
001059	Thallium	G	N	SW-846 7841	02/22/99 16:18	1.4	ug/L	1.2	ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/19/99 5:07	ND	ug/L	0.0023	ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/19/99 5:07	ND	ug/L	0.0025	ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.59	ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.1	ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.0	ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.58	ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.1	ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.51	ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.6	ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mw5

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001356002

Sampling Date/Time: 02/09/99 11:45

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☐ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	1.1 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	1.7 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.59 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	1.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.75 ug/L
077103	2-Hexanone	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.43 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.79 ug/L
081552	Acetone	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.91 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	2.4 ug/L
034030	Benzene	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.34 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.91 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.80 ug/L
032104	Bromoform	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	1.5 ug/L
034413	Bromomethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.44 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.63 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.35 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.54 ug/L
034311	Chloroethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.63 ug/L
032106	Chloroform	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.66 ug/L
034418	Chloromethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.65 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	1.1 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.32 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	0.86 ug/L
081522	Dibromomethane	G	N	SW-846 8260	02/11/99 22:58	ND ug/L	1.0 ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mw5

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001356002

Sampling Date/Time: 02/09/99 11:45

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☒ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
034371	Ethylbenzene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.48	ug/L
077424	Methyl iodide	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.6	ug/L
034423	Methylene chloride	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.2	ug/L
077128	Styrene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.67	ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.90	ug/L
034010	Toluene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.40	ug/L
081551	Total Xylenes	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.5	ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.47	ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.46	ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.79	ug/L
039180	Trichloroethene	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.66	ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.86	ug/L
077057	Vinyl acetate	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	1.4	ug/L
039175	Vinyl chloride	G	N	SW-846 8260	02/11/99 22:58	ND	ug/L	0.27	ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/08/99 @ 1345

Test Site ID #: 4051A/16515 Report Period: 1999 / Quarter I
(year/quarter)

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

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

Groundwater Elevation (NGVD): W2390
or (MSL): 34.83

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	02/12/99 1330	3.09 mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B	02/12/99 1250	<0.02 mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B	02/16/99 1600	0.0003 mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B	02/08/99 1345	7.51 Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B	02/08/99 1345	23.80 °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B	02/08/99 1345	130 μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G	02/08/99 1345	3.00 mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B	02/08/99 1445	0.31 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	02/15/99 1200	6.00 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	02/09/99 1100	126 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H	02/09/99 1400	<0.03 mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F	02/10/99 1530	0.68 mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"		02/08/99 1345	34.83 Feet	Feet

*Attach Laboratory Reports

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174

**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mwb

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001304003

Sampling Date/Time: 02/08/99 13:45

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☐ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
001097	Antimony	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	4.0	ug/L
001002	Arsenic	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	3.2	ug/L
001007	Barium	G	N	SW-846 6010	02/21/99 18:58	4.2	ug/L	1.8	ug/L
001012	Beryllium	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	1.0	ug/L
001027	Cadmium	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	0.70	ug/L
001034	Chromium	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	1.8	ug/L
001037	Cobalt	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	1.0	ug/L
001042	Copper	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	1.4	ug/L
001051	Lead	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	3.0	ug/L
001067	Nickel	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	2.0	ug/L
001147	Selenium	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	2.1	ug/L
001077	Silver	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	1.0	ug/L
001087	Vanadium	G	N	SW-846 6010	02/21/99 18:58	4.1	ug/L	0.40	ug/L
001092	Zinc	G	N	SW-846 6010	02/21/99 18:58	ND	ug/L	100	ug/L
001059	Thallium	G	N	SW-846 7841	02/22/99 16:18	ND	ug/L	1.2	ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/10/99 22:37	ND	ug/L	0.0021	ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/10/99 22:37	ND	ug/L	0.0022	ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.59	ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.1	ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.0	ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.58	ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.1	ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.51	ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.6	ug/L

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**PART III ANALYTICAL RESULTS**

HBEL Sample ID: 9001304003

Facility GMS# : _____

Sampling Date/Time: 02/08/99 13:45

Test Site ID# : _____

Report Period: _____

Well Name: 4mwb

Well Purged (Y/N) : _____

Classification of Ground Water: _____

Well Type: ☐ Background☐ Intermediate

Ground Water Elevation (NGVD) : _____

☐ Compliance

or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	1.1 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	1.7 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.59 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	1.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.75 ug/L
077103	2-Hexanone	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.43 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.79 ug/L
081552	Acetone	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.91 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	2.4 ug/L
034030	Benzene	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.34 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.91 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.80 ug/L
032104	Bromoform	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	1.5 ug/L
034413	Bromomethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.44 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.63 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.35 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.54 ug/L
034311	Chloroethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.63 ug/L
032106	Chloroform	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.66 ug/L
034418	Chloromethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.65 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	1.1 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.32 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	0.86 ug/L
081522	Dibromomethane	G	N	SW-846 8260	02/11/99 20:17	ND ug/L	1.0 ug/L

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**PART III ANALYTICAL RESULTS**

Facility GMS# : _____

Test Site ID# : _____

Well Name: 4mw6

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 9001304003

Sampling Date/Time: 02/08/99 13:45

Report Period: _____

Well Purged (Y/N) : _____

Well Type: ☒ Background☐ Intermediate☐ Compliance☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
034371	Ethylbenzene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.48	ug/L
077424	Methyl iodide	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.6	ug/L
034423	Methylene chloride	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.2	ug/L
077128	Styrene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.67	ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.90	ug/L
034010	Toluene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.40	ug/L
081551	Total Xylenes	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.5	ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.47	ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.46	ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.79	ug/L
039180	Trichloroethene	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.66	ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.86	ug/L
077057	Vinyl acetate	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	1.4	ug/L
039175	Vinyl chloride	G	N	SW-846 8260	02/11/99 20:17	ND	ug/L	0.27	ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99

Test Site ID #: _____ Report Period: _____ / Semester
(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		Damaged mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Damaged mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Damaged mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		Damaged Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Damaged °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B		Damaged μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Damaged mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Damaged NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Damaged mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Damaged mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Damaged mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Damaged mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Damaged Feet	Feet
900216	Color	"	"	SM 2120B		Damaged PCU	0.0 PCU

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99

Test Site ID #: _____ Report Period: _____ / Semester
(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): _____

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		Damaged mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Damaged mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Damaged mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		Damaged Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Damaged °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B		Damaged μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Damaged mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Damaged NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Damaged mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Damaged mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Damaged mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Damaged mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Damaged Feet	Feet
900216	Color	"	"	SM 2120B		Damaged PCU	0.0 PCU

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PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99

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

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

Classification of Groundwater: Floridan 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		Damaged mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Damaged mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Damaged mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		Damaged Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Damaged °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B		Damaged μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Damaged mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Damaged NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Damaged mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Damaged mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Damaged mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Damaged mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Damaged Feet	Feet
900216	Color	"	"	SM 2120B		Damaged PCU	0.0 PCU

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99

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

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

Classification of Groundwater: Floridan 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		Damaged mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Damaged mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Damaged mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		Damaged Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Damaged °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B		Damaged μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Damaged mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Damaged NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Damaged mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Damaged mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Damaged mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Damaged mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Damaged Feet	Feet
900216	Color	"	"	SM 2120B		Damaged PCU	0.0 PCU

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PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99
 Test Site ID #: _____ Report Period: _____ / Semester
 (year/quarter)
 Well Name: 4MW-15D Well Purged (Y/N): YES
 Classification of Groundwater: Floridan Well Type: () Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ () Compliance
 () Other
 or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B		Damaged mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Damaged mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Damaged mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H + B		Damaged Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Damaged °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B		Damaged μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Damaged mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Damaged NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		Damaged mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Damaged mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Damaged mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Damaged mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Damaged Feet	Feet
900216	Color	"	"	SM 2120B		Damaged PCU	0.0 PCU

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PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030 Sampling Date/Time: 02/09/99
 Test Site ID #: _____ Report Period: _____ / Semester
 (year/quarter)
 Well Name: 4MW-16D Well Purged (Y/N): YES
 Classification of Groundwater: Floridan Well Type: () Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ () Compliance
 () Other
 or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000929	Sodium	Wel Wiz. Ded. Mon. System	No	SM 3111B		Damaged mg/L	0.01 mg/L
001045	Iron	"	"	SM 3111B		Damaged mg/L	0.02 mg/L
071900	Mercury	"	"	SM 3112B		Damaged mg/L	0.0002 mg/L
000400	pH-Field	"	"	SM 4500H+B		Damaged Std. Units	0.01 Std. Units
000010	Temperature (Field)	"	"	SM 2550B		Damaged °C	0 °C
000095	Specific Cond. (Field)	"	"	SM 2510B		Damaged μmhos/cm	0.0 μmhos/cm
000344	D.O. (Field)	"	"	SM 45000G		Damaged mg/L	0.0 mg/L
082079	Turbidity	"	"	SM 2130B		Damaged NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B		Damaged mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		Damaged mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ H		Damaged mg/L	0.03 mg/L
000620	Nitrate	"	"	SM 4500NO ₃ F		Damaged mg/L	0.11 mg/L
072020	Water Level (MSL)	"	"			Damaged Feet	Feet
900216	Color	"	"	SM 2120B		Damaged PCU	0.0 PCU

*Attach Laboratory Reports

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



March 12, 1999

Candia Mulhern
Pasco County
8864 Government Dr.
New Port Richey, FL 34654

Client:	Pasco County
Project [Reference]:	Resource Recovery Class-I Landfill [9001356]
Date Received:	February 10, 1999

Analytical results presented in this report have been reviewed for compliance with the laboratory quality assurance plan and applicable quality control criteria. The quality control parameters evaluated have been summarized on the Quality Control Summary page immediately following this cover sheet. Applicable quality control standards have been met unless otherwise noted on the Quality Control Summary page:

FDOH (HRS) Environmental Certification Number: E96080, E83509, E82417, E85370, E84418

FDOH (HRS) Drinking Water Certification Number: 96230, 83486, 82500, 85512, 84526

FDEP CompQAP Approval Number: 870174

NOTE: This document and the Quality Control Summary page are included as part of the Analytical Report for the above referenced project and should be retained as a permanent record thereof.

If you have any questions regarding this report, or if we can be of further assistance, please feel free to call (561) 465-2400 ext. 285 and ask to speak with a project manager.

A handwritten signature in black ink, appearing to read "Terrie Silcox".

Terrie Silcox
Project Manager

A handwritten signature in black ink, appearing to read "N. Myron Gunsalus, Jr.".

N. Myron Gunsalus, Jr.
Laboratory Director



Quality Control Summary

- **Laboratory Blank:** All analytes were below Reporting detection Limits (RDL).
- **Laboratory Control Sample:** Recoveries for analytes were within laboratory accuracy limits.
- **Matrix Spike/Matrix Spike Duplicate:** Recoveries for analytes were within laboratory precision

SW-846 Method 6010:

Due to suspected matrix effects, the matrix spike and matrix spike duplicate samples associated with the analyses of HBEL Samples 9001356001, -002 and -003 produced recoveries for Cadmium, Lead and Silver that were outside of established acceptance limits. Precision was acceptable for these analytes between the matrix spike and matrix spike duplicate samples, confirming a consistent matrix effect. Accuracy was demonstrated in the laboratory control sample. All other quality control criteria were met.

A handwritten signature in black ink, appearing to read "Eric Charest".

Eric Charest
Quality Assurance Manager

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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Client Pasco County
Workorder Resource Recovery

QC Batch EXTR 3159 (47582)
Original
Matrix Environmental Water

Prep Date 02/10/99 15:34
Analysis Method EDB's

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Method Blank [100556]

Run Instrument: P-E AutoGC Dual ECD

Parameter	Analyzed	Result	RDL	Units
1,2-Dibromoethane	02/10/99	ND	0.0025	ug/L
1,2-Dibromo-3-chloropropane	02/10/99	ND	0.0023	ug/L

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Client Pasco County
Workorder Resource Recovery

QC Batch EXTR 3159 (47582)
Original
Matrix Environmental Water

Prep Date 02/10/99 15:34
Analysis Method EDB's

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Lab Control Sample [100557] - Lab Control Sample Duplicate [100560]

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,2-Dibromoethane	LCS	0.092	92	60-140			.1ug/L	02/10/99	AUTOB_
	LCSD	0.092	92		0	0-20	.1ug/L	02/10/99	AUTOB_
1,2-Dibromo-3-chloropropane	LCS	0.092	92	60-140			.1ug/L	02/10/99	AUTOB_
	LCSD	0.088	88		4.4	0-20	.1ug/L	02/10/99	AUTOB_

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Client Pasco County
Workorder Resource Recovery

QC Batch EXTR 3159 (47582)
Original 9001215001
Matrix Environmental Water

Prep Date 02/10/99 15:34
Analysis Method EDB's

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Matrix Spike [100558] - Matrix Spike Duplicate [100559]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,2-Dibromoethane	MS	ND	0.038	41	60-140		.092ug/L	02/10/99	AUTOB_
	MSD		0.042	45		9.3 0-20	.092ug/L	02/10/99	AUTOB_
1,2-Dibromo-3-chloropropane	MS	ND	0.06	65	60-140		.092ug/L	02/10/99	AUTOB_
	MSD		0.062	67		3 0-20	.092ug/L	02/10/99	AUTOB_

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Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Method Blank [100846]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	02/11/99	ND	0.91	ug/L
Acrylonitrile	02/11/99	ND	2.4	ug/L
Benzene	02/11/99	ND	0.34	ug/L
Bromochloromethane	02/11/99	ND	0.91	ug/L
Bromodichloromethane	02/11/99	ND	0.80	ug/L
Bromoform	02/11/99	ND	1.5	ug/L
Bromomethane	02/11/99	ND	0.44	ug/L
Carbon disulfide	02/11/99	ND	0.63	ug/L
Carbon tetrachloride	02/11/99	ND	0.35	ug/L
Chlorobenzene	02/11/99	ND	0.54	ug/L
Chloroethane	02/11/99	ND	0.63	ug/L
Chloroform	02/11/99	ND	0.66	ug/L
Chloromethane	02/11/99	ND	0.65	ug/L
Dibromochloromethane	02/11/99	ND	0.86	ug/L
Dibromomethane	02/11/99	ND	1.0	ug/L
1,2-Dichlorobenzene	02/11/99	ND	1.1	ug/L
1,4-Dichlorobenzene	02/11/99	ND	1.0	ug/L
1,1-Dichloroethane	02/11/99	ND	1.1	ug/L
1,2-Dichloroethane	02/11/99	ND	1.7	ug/L
1,1-Dichloroethene	02/11/99	ND	0.51	ug/L
cis-1,2-Dichloroethene	02/11/99	ND	1.1	ug/L

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Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [100846] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	SDL	Units
trans-1,2-Dichloroethene	02/11/99	ND	0.47	ug/L
Methylene chloride	02/11/99	ND	1.2	ug/L
1,2-Dichloropropane	02/11/99	ND	0.59	ug/L
cis-1,3-Dichloropropene	02/11/99	ND	0.32	ug/L
trans-1,3-Dichloropropene	02/11/99	ND	0.46	ug/L
Ethylbenzene	02/11/99	ND	0.48	ug/L
2-Hexanone	02/11/99	ND	0.43	ug/L
2-Butanone	02/11/99	ND	0.75	ug/L
Methyl iodide	02/11/99	ND	1.6	ug/L
4-Methyl-2-pentanone	02/11/99	ND	0.79	ug/L
Styrene	02/11/99	ND	0.67	ug/L
Tetrachloroethene	02/11/99	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	02/11/99	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	02/11/99	ND	1.0	ug/L
Toluene	02/11/99	ND	0.40	ug/L
1,1,1-Trichloroethane	02/11/99	ND	1.1	ug/L
1,1,2-Trichloroethane	02/11/99	ND	0.58	ug/L
Trichloroethene	02/11/99	ND	0.66	ug/L
Trichlorofluoromethane	02/11/99	ND	0.86	ug/L
1,2,3-Trichloropropane	02/11/99	ND	1.6	ug/L
Vinyl chloride	02/11/99	ND	0.27	ug/L
o-Xylene	02/11/99	ND	1.3	ug/L
m-Xylene and p-Xylene	02/11/99	ND	0.83	ug/L
Total Xylenes	02/11/99	ND	1.5	ug/L

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Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [100846] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,4-Dichloro-2-butene	02/11/99	ND	0.79	ug/L
Vinyl acetate	02/11/99	ND	1.4	ug/L

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Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Acetone	MS	ND	11	53	24-203	5.8	0-44	20ug/L	02/12/99	FN2655
	MSD			50				20ug/L	02/12/99	FN2655
Acrylonitrile	MS	ND	81	101	60-140	4	0-40	80ug/L	02/12/99	FN2655
	MSD			97				80ug/L	02/12/99	FN2655
Benzene	MS	ND	17	84	70-130	1.2	0-30	20ug/L	02/12/99	FN2655
	MSD			85				20ug/L	02/12/99	FN2655
Bromochloromethane	MS	ND	21	104	67.5-135.3	5.6	0-30	20ug/L	02/12/99	FN2655
	MSD			110				20ug/L	02/12/99	FN2655
Bromodichloromethane	MS	ND	21	104	64-135	2.8	0-32	20ug/L	02/12/99	FN2655
	MSD			107				20ug/L	02/12/99	FN2655
Bromoform	MS	ND	23	115	66.4-135.9	.87	0-30	20ug/L	02/12/99	FN2655
	MSD			116				20ug/L	02/12/99	FN2655
Bromomethane	MS	ND	15	76	50-150	11	0-38	20ug/L	02/12/99	FN2655
	MSD			85				20ug/L	02/12/99	FN2655
Carbon disulfide	MS	ND	16	79	46-162	5.2	0-37	20ug/L	02/12/99	FN2655
	MSD			75				20ug/L	02/12/99	FN2655
Carbon tetrachloride	MS	ND	20	98	69.6-130.7	3	0-35	20ug/L	02/12/99	FN2655
	MSD			101				20ug/L	02/12/99	FN2655
Chlorobenzene	MS	ND	19	97	70-130	2	0-30	20ug/L	02/12/99	FN2655
	MSD			99				20ug/L	02/12/99	FN2655

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QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
Chloroethane	MS	ND	24	120	44.3-152.8		20ug/L	02/12/99	FN2655
	MSD		23	115		4.3	0-32 20ug/L	02/12/99	FN2655
Chloroform	MS	1.6	18	82	66.9-132.4		20ug/L	02/12/99	FN2655
	MSD		21	95		15	0-30 20ug/L	02/12/99	FN2655
Chloromethane	MS	ND	20	100	37.6-149.1		20ug/L	02/12/99	FN2655
	MSD		19	94		6.2	0-50 20ug/L	02/12/99	FN2655
Dibromochloromethane	MS	ND	21	105	70-130		20ug/L	02/12/99	FN2655
	MSD		22	109		3.7	0-30 20ug/L	02/12/99	FN2655
Dibromomethane	MS	ND	20	101	70-130		20ug/L	02/12/99	FN2655
	MSD		21	104		2.9	0-37 20ug/L	02/12/99	FN2655
1,2-Dichlorobenzene	MS	ND	20	100	70-130		20ug/L	02/12/99	FN2655
	MSD		20	102		2	0-35 20ug/L	02/12/99	FN2655
1,4-Dichlorobenzene	MS	ND	18	90	70-130		20ug/L	02/12/99	FN2655
	MSD		19	97		7.5	0-30 20ug/L	02/12/99	FN2655
1,1-Dichloroethane	MS	ND	21	104	68.9-133.6		20ug/L	02/12/99	FN2655
	MSD		20	100		3.9	0-30 20ug/L	02/12/99	FN2655
1,2-Dichloroethane	MS	ND	16	81	70-130		20ug/L	02/12/99	FN2655
	MSD		17	83		2.4	0-38 20ug/L	02/12/99	FN2655
1,1-Dichloroethene	MS	ND	17	85	50.8-137.7		20ug/L	02/12/99	FN2655
	MSD		16	81		4.8	0-37 20ug/L	02/12/99	FN2655
cis-1,2-Dichloroethene	MS	ND	18	88	70-130		20ug/L	02/12/99	FN2655
	MSD		23	117		28	0-34 20ug/L	02/12/99	FN2655
trans-1,2-Dichloroethene	MS	ND	18	89	64.6-130.9		20ug/L	02/12/99	FN2655
	MSD		18	89		0	0-35 20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Methylene chloride	MS	ND	19	97	53-156.8			20ug/L	02/12/99	FN2655
	MSD		20	100		3	0-31	20ug/L	02/12/99	FN2655
1,2-Dichloropropane	MS	ND	18	92	70-130			20ug/L	02/12/99	FN2655
	MSD		19	93		1.1	0-31	20ug/L	02/12/99	FN2655
cis-1,3-Dichloropropene	MS	ND	18	89	47-148			20ug/L	02/12/99	FN2655
	MSD		18	90		1.1	0-30	20ug/L	02/12/99	FN2655
trans-1,3-Dichloropropene	MS	ND	18	90	47-149			20ug/L	02/12/99	FN2655
	MSD		19	96		6.5	0-30	20ug/L	02/12/99	FN2655
Ethylbenzene	MS	ND	19	97	70-130			20ug/L	02/12/99	FN2655
	MSD		20	102		5	0-30	20ug/L	02/12/99	FN2655
2-Hexanone	MS	ND	18	91	53-146			20ug/L	02/12/99	FN2655
	MSD		18	90		1.1	0-30	20ug/L	02/12/99	FN2655
2-Butanone	MS	ND	13	65	56-156			20ug/L	02/12/99	FN2655
	MSD		16	82		23	0-30	20ug/L	02/12/99	FN2655
Methyl iodide	MS	ND	17	83	50-150			20ug/L	02/12/99	FN2655
	MSD		18	92		10	0-40	20ug/L	02/12/99	FN2655
4-Methyl-2-pentanone	MS	ND	19	95	63-141			20ug/L	02/12/99	FN2655
	MSD		19	96		1	0-30	20ug/L	02/12/99	FN2655
Styrene	MS	ND	19	96	70-130			20ug/L	02/12/99	FN2655
	MSD		20	99		3.1	0-30	20ug/L	02/12/99	FN2655
Tetrachloroethene	MS	ND	20	98	64.2-125.2			20ug/L	02/12/99	FN2655
	MSD		20	98		0	0-30	20ug/L	02/12/99	FN2655
1,1,1,2-Tetrachloroethane	MS	ND	21	107	70-130			20ug/L	02/12/99	FN2655
	MSD		22	108		.93	0-30	20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,1,2,2-Tetrachloroethane	MS	ND	21	105	70-130		20ug/L	02/12/99	FN2655
	MSD		21	105		0	0-30 20ug/L	02/12/99	FN2655
Toluene	MS	ND	19	95	70-130		20ug/L	02/12/99	FN2655
	MSD		19	94		1.1	0-30 20ug/L	02/12/99	FN2655
1,1,1-Trichloroethane	MS	ND	20	99	69.5-134.1		20ug/L	02/12/99	FN2655
	MSD		20	98		1	0-30 20ug/L	02/12/99	FN2655
1,1,2-Trichloroethane	MS	ND	20	99	70-130		20ug/L	02/12/99	FN2655
	MSD		20	98		1	0-37 20ug/L	02/12/99	FN2655
Trichloroethene	MS	ND	20	99	70-130		20ug/L	02/12/99	FN2655
	MSD		21	104		4.9	0-33 20ug/L	02/12/99	FN2655
Trichlorofluoromethane	MS	ND	18	91	59.2-131.5		20ug/L	02/12/99	FN2655
	MSD		19	97		6.4	0-30 20ug/L	02/12/99	FN2655
1,2,3-Trichloropropane	MS	ND	20	102	70-130		20ug/L	02/12/99	FN2655
	MSD		20	98		4	0-30 20ug/L	02/12/99	FN2655
Vinyl chloride	MS	ND	17	86	43.4-148.5		20ug/L	02/12/99	FN2655
	MSD		16	80		7.2	0-31 20ug/L	02/12/99	FN2655
o-Xylene	MS	ND	20	98	70-130		20ug/L	02/12/99	FN2655
	MSD		20	100		2	0-30 20ug/L	02/12/99	FN2655
m-Xylene and p-Xylene	MS	ND	39	97	70-130		40ug/L	02/12/99	FN2655
	MSD		39	98		1	0-30 40ug/L	02/12/99	FN2655
trans-1,4-Dichloro-2-butene	MS	ND	13	67	40-130		20ug/L	02/12/99	FN2655
	MSD		14	70		4.4	0-40 20ug/L	02/12/99	FN2655
Vinyl acetate	MS	ND	21	107	50-150		20ug/L	02/12/99	FN2655
	MSD		21	103		3.8	0-40 20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Lab Control Sample [100849]

Parameter	QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Acetone	LCS	14	71	24-203		20ug/L	02/12/99	FN2655
Acrylonitrile	LCS	91	114	60-140		80ug/L	02/12/99	FN2655
Benzene	LCS	18	91	59-127		20ug/L	02/12/99	FN2655
Bromochloromethane	LCS	22	108	67-131		20ug/L	02/12/99	FN2655
Bromodichloromethane	LCS	22	112	54-142		20ug/L	02/12/99	FN2655
Bromoform	LCS	25	126	70-130		20ug/L	02/12/99	FN2655
Bromomethane	LCS	17	85	50-150		20ug/L	02/12/99	FN2655
Carbon disulfide	LCS	16	78	46-162		20ug/L	02/12/99	FN2655
Carbon tetrachloride	LCS	20	98	56-140		20ug/L	02/12/99	FN2655
Chlorobenzene	LCS	21	103	70-130		20ug/L	02/12/99	FN2655
Chloroethane	LCS	24	119	34-195		20ug/L	02/12/99	FN2655
Chloroform	LCS	22	112	70-130		20ug/L	02/12/99	FN2655
Chloromethane	LCS	20	102	1-200		20ug/L	02/12/99	FN2655
Dibromochloromethane	LCS	23	117	70-130		20ug/L	02/12/99	FN2655
Dibromomethane	LCS	21	106	61-140		20ug/L	02/12/99	FN2655
1,2-Dichlorobenzene	LCS	23	115	71-131		20ug/L	02/12/99	FN2655
1,4-Dichlorobenzene	LCS	21	107	65-142		20ug/L	02/12/99	FN2655
1,1-Dichloroethane	LCS	22	110	70-135		20ug/L	02/12/99	FN2655
1,2-Dichloroethane	LCS	17	86	40-156		20ug/L	02/12/99	FN2655
1,1-Dichloroethene	LCS	17	85	31-183		20ug/L	02/12/99	FN2655

Southeast Florida
Fort Pierce, FL 34946
FDOH #96230 / E96080

Orlando Area
Deltona, FL 32725
FDOH #83486 / E83509

Jacksonville Area
Fernandina Beach, FL 32034
FDOH #82500 / E82417

Fort Myers Area
Lehigh Acres, FL 33936
FDOH #85512 / E85370

West Central Florida
Spring Hill, FL 34607
FDOH #84526 / E84418

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FDEP QAP 870174



Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Lab Control Sample [100849] (continued)

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
cis-1,2-Dichloroethene	LCS	20	101	61-150			20ug/L	02/12/99	FN2655
trans-1,2-Dichloroethene	LCS	19	96	53-137			20ug/L	02/12/99	FN2655
Methylene chloride	LCS	19	96	60-168			20ug/L	02/12/99	FN2655
1,2-Dichloropropane	LCS	19	93	63-137			20ug/L	02/12/99	FN2655
cis-1,3-Dichloropropene	LCS	19	95	47-148			20ug/L	02/12/99	FN2655
trans-1,3-Dichloropropene	LCS	20	99	47-149			20ug/L	02/12/99	FN2655
Ethylbenzene	LCS	21	107	70-130			20ug/L	02/12/99	FN2655
2-Hexanone	LCS	22	110	53-146			20ug/L	02/12/99	FN2655
2-Butanone	LCS	17	87	56-156			20ug/L	02/12/99	FN2655
Methyl iodide	LCS	19	94	50-150			20ug/L	02/12/99	FN2655
4-Methyl-2-pentanone	LCS	22	111	63-141			20ug/L	02/12/99	FN2655
Styrene	LCS	21	106	70-130			20ug/L	02/12/99	FN2655
Tetrachloroethene	LCS	22	108	64-138			20ug/L	02/12/99	FN2655
1,1,1,2-Tetrachloroethane	LCS	24	118	70-130			20ug/L	02/12/99	FN2655
1,1,2,2-Tetrachloroethane	LCS	23	116	70-130			20ug/L	02/12/99	FN2655
Toluene	LCS	19	95	70-130			20ug/L	02/12/99	FN2655
1,1,1-Trichloroethane	LCS	20	102	70-130			20ug/L	02/12/99	FN2655
1,1,2-Trichloroethane	LCS	23	113	65-141			20ug/L	02/12/99	FN2655
Trichloroethene	LCS	21	105	72-132			20ug/L	02/12/99	FN2655
Trichlorofluoromethane	LCS	20	99	66-139			20ug/L	02/12/99	FN2655
1,2,3-Trichloropropane	LCS	24	121	70-130			20ug/L	02/12/99	FN2655
Vinyl chloride	LCS	18	90	48-179			20ug/L	02/12/99	FN2655
o-Xylene	LCS	21	106	70-137			20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery

QC Batch VOC 1443 (47715)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Lab Control Sample [100849] (continued)

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
m-Xylene and p-Xylene	LCS	42	104	44-146			40ug/L	02/12/99	FN2655
trans-1,4-Dichloro-2-butene	LCS	16	78	50-150			20ug/L	02/12/99	FN2655
Vinyl acetate	LCS	22	110	50-150			20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery

QC Batch MDIG 2598 (47863)
Original
Matrix Environmental Water

Prep Date 02/15/99 16:33
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Method Blank [101144]

Run Instrument: Perkin Elmer 4100 ZL

Parameter	Analyzed	Result	RDL	Units
Thallium	02/22/99	ND	0.0012	mg/L

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Client Pasco County
Workorder Resource Recovery

QC Batch MDIG 2598 (47863)

Original
Matrix Environmental Water

Prep Date 02/15/99 16:33
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Lab Control Sample [101145]

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Thallium	LCS	0.024	98	69-136			.025mg/L	02/22/99	PEGFAA

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FDEP QAP 870174



Client Pasco County
Workorder Resource Recovery

QC Batch MDIG 2598 (47863)
Original 9001304002
Matrix Environmental Water

Prep Date 02/15/99 16:33
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Matrix Spike [101146] - Matrix Spike Duplicate [101147]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Thallium	MS	ND	0.025	.102	45-140			.025mg/L	02/22/99	PEGFAA
	MSD		0.025	101		.99	0-20	.025mg/L	02/22/99	PEGFAA

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FDEP QAP 870174



Client Pasco County
Workorder Resource Recovery

QC Batch MDIG 2606 (48175)
Original
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 02/19/99 12:08
Analysis Method SW-846 6010

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Method Blank [101783]

Run Instrument: ThermoJarrellAsh 61E Trace ICP

Parameter	Analyzed	Result	RDL	Units
Antimony	02/21/99	ND	0.0040	mg/L
Arsenic	02/21/99	ND	0.0032	mg/L
Barium	02/21/99	ND	0.0018	mg/L
Beryllium	02/21/99	ND	0.0010	mg/L
Cadmium	02/21/99	ND	0.00070	mg/L
Chromium	02/21/99	ND	0.0018	mg/L
Cobalt	02/21/99	ND	0.0010	mg/L
Copper	02/21/99	ND	0.0014	mg/L
Lead	02/21/99	ND	0.0030	mg/L
Nickel	02/21/99	ND	0.0020	mg/L
Selenium	02/21/99	ND	0.0021	mg/L
Silver	02/21/99	ND	0.0010	mg/L
Vanadium	02/21/99	ND	0.00040	mg/L
Zinc	02/21/99	ND	0.10	mg/L

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Client Pasco County
Workorder Resource Recovery

QC Batch MDIG 2606 (48175)
Original
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 02/19/99 12:08
Analysis Method SW-846 6010

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Lab Control Sample [101784]

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
Antimony	LCS	0.23	93	80-120		.25mg/L	02/21/99	TJAICP
Arsenic	LCS	0.25	100	80-120		.25mg/L	02/21/99	TJAICP
Barium	LCS	0.25	99	80-120		.25mg/L	02/21/99	TJAICP
Beryllium	LCS	0.048	96	80-120		.05mg/L	02/21/99	TJAICP
Cadmium	LCS	0.096	96	80-120		.1mg/L	02/21/99	TJAICP
Chromium	LCS	0.24	97	80-120		.25mg/L	02/21/99	TJAICP
Cobalt	LCS	0.097	97	80-120		.1mg/L	02/21/99	TJAICP
Copper	LCS	0.24	96	80-120		.25mg/L	02/21/99	TJAICP
Lead	LCS	0.24	97	80-120		.25mg/L	02/21/99	TJAICP
Nickel	LCS	0.25	98	80-120		.25mg/L	02/21/99	TJAICP
Selenium	LCS	0.24	97	80-120		.25mg/L	02/21/99	TJAICP
Silver	LCS	0.025	101	80-120		.025mg/L	02/21/99	TJAICP
Vanadium	LCS	0.096	96	80-120		.1mg/L	02/21/99	TJAICP
Zinc	LCS	0.25	102	80-120		.25mg/L	02/21/99	TJAICP

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Client Pasco County
Workorder Resource Recovery

QC Batch MDIG 2606 (48175)
Original 9001309002
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 02/19/99 12:08
Analysis Method SW-846 6010

QC results affect the following production samples:

9001304001 9001304002 9001304003

QC results for Matrix Spike [101785] - Matrix Spike Duplicate [101786]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Antimony	MS	ND	0.22	90	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.22	89		1.1	0-20	.25mg/L	02/21/99	TJAICP
Arsenic	MS	ND	0.24	94	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.24	94		0	0-20	.25mg/L	02/21/99	TJAICP
Barium	MS	0.35	0.59	96	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.6	98		2.1	0-20	.25mg/L	02/21/99	TJAICP
Beryllium	MS	ND	0.047	95	80-120			.05mg/L	02/21/99	TJAICP
	MSD		0.048	96		1	0-20	.05mg/L	02/21/99	TJAICP
Cadmium	MS	ND	0.05	50	80-120			.1mg/L	02/21/99	TJAICP
	MSD		0.058	58		15	0-20	.1mg/L	02/21/99	TJAICP
Chromium	MS	ND	0.25	98	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.25	99		1	0-20	.25mg/L	02/21/99	TJAICP
Cobalt	MS	ND	0.1	100	80-120			.1mg/L	02/21/99	TJAICP
	MSD		0.1	100		0	0-20	.1mg/L	02/21/99	TJAICP
Copper	MS	ND	0.22	90	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.22	89		1.1	0-20	.25mg/L	02/21/99	TJAICP
Lead	MS	ND	0.15	59	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.17	68		14	0-20	.25mg/L	02/21/99	TJAICP
Nickel	MS	ND	0.25	100	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.25	100		0	0-20	.25mg/L	02/21/99	TJAICP

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Client Pasco County
Workorder Resource Recovery

QC Batch MDIG 2606 (48175)
Original 9001309002
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 02/19/99 12:08
Analysis Method SW-846 6010

QC results for Matrix Spike [101785] - Matrix Spike Duplicate [101786] (continued)

Parameter		Original		Pct MS/MSD		RPD		Spiked Amount	Analyzed	Instru ID
		Result	QC Result	Recov	Limits	RPD	Limits			
Selenium	MS	ND	0.22	89	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.22	89		0	0-20	.25mg/L	02/21/99	TJAICP
Silver	MS	ND	0.016	64	80-120			.025mg/L	02/21/99	TJAICP
	MSD		0.018	71		10	0-20	.025mg/L	02/21/99	TJAICP
Vanadium	MS	0.0093	0.11	98	80-120			.1mg/L	02/21/99	TJAICP
	MSD		0.11	100		2	0-20	.1mg/L	02/21/99	TJAICP
Zinc	MS	ND	0.25	100	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.25	101		1	0-20	.25mg/L	02/21/99	TJAICP

End of Report

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch VOC 1443 (47715)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

9001356001

9001356002

9001356003

QC results for Method Blank [100846]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	02/11/99	ND	0.91	ug/L
Acrylonitrile	02/11/99	ND	2.4	ug/L
Benzene	02/11/99	ND	0.34	ug/L
Bromochloromethane	02/11/99	ND	0.91	ug/L
Bromodichloromethane	02/11/99	ND	0.80	ug/L
Bromoform	02/11/99	ND	1.5	ug/L
Bromomethane	02/11/99	ND	0.44	ug/L
Carbon disulfide	02/11/99	ND	0.63	ug/L
Carbon tetrachloride	02/11/99	ND	0.35	ug/L
Chlorobenzene	02/11/99	ND	0.54	ug/L
Chloroethane	02/11/99	ND	0.63	ug/L
Chloroform	02/11/99	ND	0.66	ug/L
Chloromethane	02/11/99	ND	0.65	ug/L
Dibromochloromethane	02/11/99	ND	0.86	ug/L
Dibromomethane	02/11/99	ND	1.0	ug/L
1,2-Dichlorobenzene	02/11/99	ND	1.1	ug/L
1,4-Dichlorobenzene	02/11/99	ND	1.0	ug/L
1,1-Dichloroethane	02/11/99	ND	1.1	ug/L
1,2-Dichloroethane	02/11/99	ND	1.7	ug/L
1,1-Dichloroethene	02/11/99	ND	0.51	ug/L
cis-1,2-Dichloroethene	02/11/99	ND	1.1	ug/L

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QC Batch VOC 1443 (47715)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [100846] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,2-Dichloroethene	02/11/99	ND	0.47	ug/L
Methylene chloride	02/11/99	ND	1.2	ug/L
1,2-Dichloropropane	02/11/99	ND	0.59	ug/L
cis-1,3-Dichloropropene	02/11/99	ND	0.32	ug/L
trans-1,3-Dichloropropene	02/11/99	ND	0.46	ug/L
Ethylbenzene	02/11/99	ND	0.48	ug/L
2-Hexanone	02/11/99	ND	0.43	ug/L
2-Butanone	02/11/99	ND	0.75	ug/L
Methyl iodide	02/11/99	ND	1.6	ug/L
4-Methyl-2-pentanone	02/11/99	ND	0.79	ug/L
Styrene	02/11/99	ND	0.67	ug/L
Tetrachloroethene	02/11/99	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	02/11/99	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	02/11/99	ND	1.0	ug/L
Toluene	02/11/99	ND	0.40	ug/L
1,1,1-Trichloroethane	02/11/99	ND	1.1	ug/L
1,1,2-Trichloroethane	02/11/99	ND	0.58	ug/L
Trichloroethene	02/11/99	ND	0.66	ug/L
Trichlorofluoromethane	02/11/99	ND	0.86	ug/L
1,2,3-Trichloropropane	02/11/99	ND	1.6	ug/L
Vinyl chloride	02/11/99	ND	0.27	ug/L
o-Xylene	02/11/99	ND	1.3	ug/L
m-Xylene and p-Xylene	02/11/99	ND	0.83	ug/L
Total Xylenes	02/11/99	ND	1.5	ug/L

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QC Batch VOC 1443 (47715)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [100846] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,4-Dichloro-2-butene	02/11/99	ND	0.79	ug/L
Vinyl acetate	02/11/99	ND	1.4	ug/L

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
Acetone	MS	ND	11	53	24-203		20ug/L	02/12/99	FN2655
	MSD		10	50		5.8	0-44 20ug/L	02/12/99	FN2655
Acrylonitrile	MS	ND	81	101	60-140		80ug/L	02/12/99	FN2655
	MSD		78	97		4	0-40 80ug/L	02/12/99	FN2655
Benzene	MS	ND	17	84	70-130		20ug/L	02/12/99	FN2655
	MSD		17	85		1.2	0-30 20ug/L	02/12/99	FN2655
Bromochloromethane	MS	ND	21	104	67.5-135.3		20ug/L	02/12/99	FN2655
	MSD		22	110		5.6	0-30 20ug/L	02/12/99	FN2655
Bromodichloromethane	MS	ND	21	104	64-135		20ug/L	02/12/99	FN2655
	MSD		21	107		2.8	0-32 20ug/L	02/12/99	FN2655
Bromoform	MS	ND	23	115	66.4-135.9		20ug/L	02/12/99	FN2655
	MSD		23	116		.87	0-30 20ug/L	02/12/99	FN2655
Bromomethane	MS	ND	15	76	50-150		20ug/L	02/12/99	FN2655
	MSD		17	85		11	0-38 20ug/L	02/12/99	FN2655
Carbon disulfide	MS	ND	16	79	46-162		20ug/L	02/12/99	FN2655
	MSD		15	75		5.2	0-37 20ug/L	02/12/99	FN2655
Carbon tetrachloride	MS	ND	20	98	69.6-130.7		20ug/L	02/12/99	FN2655
	MSD		20	101		3	0-35 20ug/L	02/12/99	FN2655
Chlorobenzene	MS	ND	19	97	70-130		20ug/L	02/12/99	FN2655
	MSD		20	99		2	0-30 20ug/L	02/12/99	FN2655

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QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD RPD	Spiked Limits Amount	Analyzed	Instru ID
Chloroethane	MS	ND	24	120	44.3-152.8		20ug/L	02/12/99	FN2655
	MSD		23	115		4.3	0-32 20ug/L	02/12/99	FN2655
Chloroform	MS	1.6	18	82	66.9-132.4		20ug/L	02/12/99	FN2655
	MSD		21	95		15	0-30 20ug/L	02/12/99	FN2655
Chloromethane	MS	ND	20	100	37.6-149.1		20ug/L	02/12/99	FN2655
	MSD		19	94		6.2	0-50 20ug/L	02/12/99	FN2655
Dibromochloromethane	MS	ND	21	105	70-130		20ug/L	02/12/99	FN2655
	MSD		22	109		3.7	0-30 20ug/L	02/12/99	FN2655
Dibromomethane	MS	ND	20	101	70-130		20ug/L	02/12/99	FN2655
	MSD		21	104		2.9	0-37 20ug/L	02/12/99	FN2655
1,2-Dichlorobenzene	MS	ND	20	100	70-130		20ug/L	02/12/99	FN2655
	MSD		20	102		2	0-35 20ug/L	02/12/99	FN2655
1,4-Dichlorobenzene	MS	ND	18	90	70-130		20ug/L	02/12/99	FN2655
	MSD		19	97		7.5	0-30 20ug/L	02/12/99	FN2655
1,1-Dichloroethane	MS	ND	21	104	68.9-133.6		20ug/L	02/12/99	FN2655
	MSD		20	100		3.9	0-30 20ug/L	02/12/99	FN2655
1,2-Dichloroethane	MS	ND	16	81	70-130		20ug/L	02/12/99	FN2655
	MSD		17	83		2.4	0-38 20ug/L	02/12/99	FN2655
1,1-Dichloroethene	MS	ND	17	85	50.8-137.7		20ug/L	02/12/99	FN2655
	MSD		16	81		4.8	0-37 20ug/L	02/12/99	FN2655
cis-1,2-Dichloroethene	MS	ND	18	88	70-130		20ug/L	02/12/99	FN2655
	MSD		23	117		28	0-34 20ug/L	02/12/99	FN2655
trans-1,2-Dichloroethene	MS	ND	18	89	64.6-130.9		20ug/L	02/12/99	FN2655
	MSD		18	89		0	0-35 20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
Methylene chloride	MS	ND	19	97	53-156.8		20ug/L	02/12/99	FN2655
	MSD		20	100		3	0-31 20ug/L	02/12/99	FN2655
1,2-Dichloropropane	MS	ND	18	92	70-130		20ug/L	02/12/99	FN2655
	MSD		19	93		1.1	0-31 20ug/L	02/12/99	FN2655
cis-1,3-Dichloropropene	MS	ND	18	89	47-148		20ug/L	02/12/99	FN2655
	MSD		18	90		1.1	0-30 20ug/L	02/12/99	FN2655
trans-1,3-Dichloropropene	MS	ND	18	90	47-149		20ug/L	02/12/99	FN2655
	MSD		19	96		6.5	0-30 20ug/L	02/12/99	FN2655
Ethylbenzene	MS	ND	19	97	70-130		20ug/L	02/12/99	FN2655
	MSD		20	102		5	0-30 20ug/L	02/12/99	FN2655
2-Hexanone	MS	ND	18	91	53-146		20ug/L	02/12/99	FN2655
	MSD		18	90		1.1	0-30 20ug/L	02/12/99	FN2655
2-Butanone	MS	ND	13	65	56-156		20ug/L	02/12/99	FN2655
	MSD		16	82		23	0-30 20ug/L	02/12/99	FN2655
Methyl iodide	MS	ND	17	83	50-150		20ug/L	02/12/99	FN2655
	MSD		18	92		10	0-40 20ug/L	02/12/99	FN2655
4-Methyl-2-pentanone	MS	ND	19	95	63-141		20ug/L	02/12/99	FN2655
	MSD		19	96		1	0-30 20ug/L	02/12/99	FN2655
Styrene	MS	ND	19	96	70-130		20ug/L	02/12/99	FN2655
	MSD		20	99		3.1	0-30 20ug/L	02/12/99	FN2655
Tetrachloroethene	MS	ND	20	98	64.2-125.2		20ug/L	02/12/99	FN2655
	MSD		20	98		0	0-30 20ug/L	02/12/99	FN2655
1,1,1,2-Tetrachloroethane	MS	ND	21	107	70-130		20ug/L	02/12/99	FN2655
	MSD		22	108		.93	0-30 20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch VOC 1443 (47715)
Original 9001402001
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [100847] - Matrix Spike Duplicate [100848] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,1,2,2-Tetrachloroethane	MS	ND	21	105	70-130			20ug/L	02/12/99	FN2655
	MSD		21	105		0	0-30	20ug/L	02/12/99	FN2655
Toluene	MS	ND	19	95	70-130			20ug/L	02/12/99	FN2655
	MSD		19	94		1.1	0-30	20ug/L	02/12/99	FN2655
1,1,1-Trichloroethane	MS	ND	20	99	69.5-134.1			20ug/L	02/12/99	FN2655
	MSD		20	98		1	0-30	20ug/L	02/12/99	FN2655
1,1,2-Trichloroethane	MS	ND	20	99	70-130			20ug/L	02/12/99	FN2655
	MSD		20	98		1	0-37	20ug/L	02/12/99	FN2655
Trichloroethene	MS	ND	20	99	70-130			20ug/L	02/12/99	FN2655
	MSD		21	104		4.9	0-33	20ug/L	02/12/99	FN2655
Trichlorofluoromethane	MS	ND	18	91	59.2-131.5			20ug/L	02/12/99	FN2655
	MSD		19	97		6.4	0-30	20ug/L	02/12/99	FN2655
1,2,3-Trichloropropane	MS	ND	20	102	70-130			20ug/L	02/12/99	FN2655
	MSD		20	98		4	0-30	20ug/L	02/12/99	FN2655
Vinyl chloride	MS	ND	17	86	43.4-148.5			20ug/L	02/12/99	FN2655
	MSD		16	80		7.2	0-31	20ug/L	02/12/99	FN2655
o-Xylene	MS	ND	20	98	70-130			20ug/L	02/12/99	FN2655
	MSD		20	100		2	0-30	20ug/L	02/12/99	FN2655
m-Xylene and p-Xylene	MS	ND	39	97	70-130			40ug/L	02/12/99	FN2655
	MSD		39	98		1	0-30	40ug/L	02/12/99	FN2655
trans-1,4-Dichloro-2-butene	MS	ND	13	67	40-130			20ug/L	02/12/99	FN2655
	MSD		14	70		4.4	0-40	20ug/L	02/12/99	FN2655
Vinyl acetate	MS	ND	21	107	50-150			20ug/L	02/12/99	FN2655
	MSD		21	103		3.8	0-40	20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch VOC 1443 (47715)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Lab Control Sample [100849]

Parameter	QC Result	Pct Recov	LCS/LCSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
Acetone	LCS	14	71	24-203	20ug/L	02/12/99	FN2655
Acrylonitrile	LCS	91	114	60-140	80ug/L	02/12/99	FN2655
Benzene	LCS	18	91	59-127	20ug/L	02/12/99	FN2655
Bromochloromethane	LCS	22	108	67-131	20ug/L	02/12/99	FN2655
Bromodichloromethane	LCS	22	112	54-142	20ug/L	02/12/99	FN2655
Bromoform	LCS	25	126	70-130	20ug/L	02/12/99	FN2655
Bromomethane	LCS	17	85	50-150	20ug/L	02/12/99	FN2655
Carbon disulfide	LCS	16	78	46-162	20ug/L	02/12/99	FN2655
Carbon tetrachloride	LCS	20	98	56-140	20ug/L	02/12/99	FN2655
Chlorobenzene	LCS	21	103	70-130	20ug/L	02/12/99	FN2655
Chloroethane	LCS	24	119	34-195	20ug/L	02/12/99	FN2655
Chloroform	LCS	22	112	70-130	20ug/L	02/12/99	FN2655
Chloromethane	LCS	20	102	1-200	20ug/L	02/12/99	FN2655
Dibromochloromethane	LCS	23	117	70-130	20ug/L	02/12/99	FN2655
Dibromomethane	LCS	21	106	61-140	20ug/L	02/12/99	FN2655
1,2-Dichlorobenzene	LCS	23	115	71-131	20ug/L	02/12/99	FN2655
1,4-Dichlorobenzene	LCS	21	107	65-142	20ug/L	02/12/99	FN2655
1,1-Dichloroethane	LCS	22	110	70-135	20ug/L	02/12/99	FN2655
1,2-Dichloroethane	LCS	17	86	40-156	20ug/L	02/12/99	FN2655
1,1-Dichloroethene	LCS	17	85	31-183	20ug/L	02/12/99	FN2655

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Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Lab Control Sample [100849] (continued)

Parameter	QC Result	Pct Recov	LCS/LCSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
cis-1,2-Dichloroethene	LCS	20	101	61-150	20ug/L	02/12/99	FN2655
trans-1,2-Dichloroethene	LCS	19	96	53-137	20ug/L	02/12/99	FN2655
Methylene chloride	LCS	19	96	60-168	20ug/L	02/12/99	FN2655
1,2-Dichloropropane	LCS	19	93	63-137	20ug/L	02/12/99	FN2655
cis-1,3-Dichloropropene	LCS	19	95	47-148	20ug/L	02/12/99	FN2655
trans-1,3-Dichloropropene	LCS	20	99	47-149	20ug/L	02/12/99	FN2655
Ethylbenzene	LCS	21	107	70-130	20ug/L	02/12/99	FN2655
2-Hexanone	LCS	22	110	53-146	20ug/L	02/12/99	FN2655
2-Butanone	LCS	17	87	56-156	20ug/L	02/12/99	FN2655
Methyl iodide	LCS	19	94	50-150	20ug/L	02/12/99	FN2655
4-Methyl-2-pentanone	LCS	22	111	63-141	20ug/L	02/12/99	FN2655
Styrene	LCS	21	106	70-130	20ug/L	02/12/99	FN2655
Tetrachloroethene	LCS	22	108	64-138	20ug/L	02/12/99	FN2655
1,1,1,2-Tetrachloroethane	LCS	24	118	70-130	20ug/L	02/12/99	FN2655
1,1,2,2-Tetrachloroethane	LCS	23	116	70-130	20ug/L	02/12/99	FN2655
Toluene	LCS	19	95	70-130	20ug/L	02/12/99	FN2655
1,1,1-Trichloroethane	LCS	20	102	70-130	20ug/L	02/12/99	FN2655
1,1,2-Trichloroethane	LCS	23	113	65-141	20ug/L	02/12/99	FN2655
Trichloroethene	LCS	21	105	72-132	20ug/L	02/12/99	FN2655
Trichlorofluoromethane	LCS	20	99	66-139	20ug/L	02/12/99	FN2655
1,2,3-Trichloropropane	LCS	24	121	70-130	20ug/L	02/12/99	FN2655
Vinyl chloride	LCS	18	90	48-179	20ug/L	02/12/99	FN2655
o-Xylene	LCS	21	106	70-137	20ug/L	02/12/99	FN2655

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QC Batch VOC 1443 (47715)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Lab Control Sample [100849] (continued)

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
m-Xylene and p-Xylene	LCS	42	104	44-146		40ug/L	02/12/99	FN2655
trans-1,4-Dichloro-2-butene	LCS	16	78	50-150		20ug/L	02/12/99	FN2655
Vinyl acetate	LCS	22	110	50-150		20ug/L	02/12/99	FN2655

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch MDIG 2598 (47863)
Original
Matrix Environmental Water

Prep Date 02/15/99 16:33
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Method Blank [101144]

Run Instrument: Perkin Elmer 4100 ZL

Parameter	Analyzed	Result	RDL	Units
Thallium	02/22/99	ND	0.0012	mg/L

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch MDIG 2598 (47863)
Original
Matrix Environmental Water

Prep Date 02/15/99 16:33
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Lab Control Sample [101145]

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Thallium	LCS	0.024	98	69-136			.025mg/L	02/22/99	PEGFAA

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch MDIG 2598 (47863)
Original 9001304002
Matrix Environmental Water

Prep Date 02/15/99 16:33
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Matrix Spike [101146] - Matrix Spike Duplicate [101147]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
Thallium	MS	ND	0.025	102	45-140		.025mg/L	02/22/99	PEGFAA
	MSD		0.025	101		.99 0-20	.025mg/L	02/22/99	PEGFAA

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch EXTR 3174 (48028)
Original
Matrix Environmental Water

Prep Date 02/18/99 16:41
Analysis Method EDB's

QC results affect the following production samples:

9001356001 9001356002

QC results for Method Blank [101500]

Run Instrument: P-E AutoGC Dual ECD

Parameter	Analyzed	Result	RDL	Units
1,2-Dibromoethane	02/18/99	ND	0.0025	ug/L
1,2-Dibromo-3-chloropropane	02/18/99	ND	0.0023	ug/L

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch EXTR 3174 (48028)
Original
Matrix Environmental Water

Prep Date 02/18/99 16:41
Analysis Method EDB's

QC results affect the following production samples:

9001356001 9001356002

QC results for Lab Control Sample [101501] - Lab Control Sample Duplicate [101504]

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,2-Dibromoethane	LCS	0.11	113	60-140			.1ug/L	02/18/99	AUTOE_
	LCSD	0.11	112		.89	0-20	.1ug/L	02/18/99	AUTOE_
1,2-Dibromo-3-chloropropane	LCS	0.1	103	60-140			.1ug/L	02/18/99	AUTOE_
	LCSD	0.1	103		0	0-20	.1ug/L	02/18/99	AUTOE_

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch EXTR 3174 (48028)
Original 9001338001
Matrix Environmental Water

Prep Date 02/18/99 16:41
Analysis Method EDB's

QC results affect the following production samples:

9001356001 9001356002

QC results for Matrix Spike [101502] - Matrix Spike Duplicate [101503]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,2-Dibromoethane	MS	ND	0.071	75	60-140			.096ug/L	02/18/99	AUTOE_
	MSD		0.077	80		6.5	0-20	.096ug/L	02/18/99	AUTOE_
1,2-Dibromo-3-chloropropane	MS	ND	0.099	104	60-140			.096ug/L	02/18/99	AUTOE_
	MSD		0.1	105		.96	0-20	.096ug/L	02/18/99	AUTOE_

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch EXTR 3184 (48108)
Original
Matrix Environmental Water

Prep Date 02/18/99 12:45
Analysis Method EDB's

QC results affect the following production samples:

9001356003

QC results for Method Blank [101666]

Run Instrument: P-E AutoGC Dual ECD

Parameter	Analyzed	Result	RDL	Units
1,2-Dibromoethane	02/18/99	ND	0.0025	ug/L
1,2-Dibromo-3-chloropropane	02/18/99	ND	0.0023	ug/L

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch EXTR 3184 (48108)
Original
Matrix Environmental Water

Prep Date 02/19/99 12:45
Analysis Method EDB's

QC results affect the following production samples:

9001356003

QC results for Lab Control Sample [101667] - Lab Control Sample Duplicate [101670]

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,2-Dibromoethane	LCS	0.094	94	60-140			.1ug/L	02/18/99	AUTOB_
	LCSD	0.091	91		3.2	0-20	.1ug/L	02/18/99	AUTOB_
1,2-Dibromo-3-chloropropane	LCS	0.13	126	60-140			.1ug/L	02/18/99	AUTOB_
	LCSD	0.11	108		15	0-20	.1ug/L	02/18/99	AUTOB_

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch EXTR 3184 (48108)
Original 9001356003
Matrix Environmental Water

Prep Date 02/18/99 12:45
Analysis Method EDB's

QC results affect the following production samples:

9001356003

QC results for Matrix Spike [101668] - Matrix Spike Duplicate [101669]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
1,2-Dibromoethane	MS	ND	0.094	.94	60-140		.1ug/L	02/19/99	AUTOB_
	MSD		0.1	101		7.2	0-20 .1ug/L	02/19/99	AUTOB_
1,2-Dibromo-3-chloropropane	MS	ND	0.12	125	60-140		.1ug/L	02/19/99	AUTOB_
	MSD		0.13	131		4.7	0-20 .1ug/L	02/19/99	AUTOB_

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch MDIG 2606 (48175)
Original
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 02/19/99 12:08
Analysis Method SW-846 6010

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Method Blank [101783]

Run Instrument: ThermoJarrellAsh 61E Trace ICP

Parameter	Analyzed	Result	RDL	Units
Antimony	02/21/99	ND	0.0040	mg/L
Arsenic	02/21/99	ND	0.0032	mg/L
Barium	02/21/99	ND	0.0018	mg/L
Beryllium	02/21/99	ND	0.0010	mg/L
Cadmium	02/21/99	ND	0.00070	mg/L
Chromium	02/21/99	ND	0.0018	mg/L
Cobalt	02/21/99	ND	0.0010	mg/L
Copper	02/21/99	ND	0.0014	mg/L
Lead	02/21/99	ND	0.0030	mg/L
Nickel	02/21/99	ND	0.0020	mg/L
Selenium	02/21/99	ND	0.0021	mg/L
Silver	02/21/99	ND	0.0010	mg/L
Vanadium	02/21/99	ND	0.00040	mg/L
Zinc	02/21/99	ND	0.10	mg/L

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Client Pasco County
Workorder Resource Recovery/Class I

QC Batch MDIG 2606 (48175)
Original
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 02/19/99 12:08
Analysis Method SW-846 6010

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Lab Control Sample [101784]

Parameter		QC Result	Pct Recov	LCS/LCSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
Antimony	LCS	0.23	93	80-120		.25mg/L	02/21/99	TJAICP
Arsenic	LCS	0.25	100	80-120		.25mg/L	02/21/99	TJAICP
Barium	LCS	0.25	99	80-120		.25mg/L	02/21/99	TJAICP
Beryllium	LCS	0.048	96	80-120		.05mg/L	02/21/99	TJAICP
Cadmium	LCS	0.096	96	80-120		.1mg/L	02/21/99	TJAICP
Chromium	LCS	0.24	97	80-120		.25mg/L	02/21/99	TJAICP
Cobalt	LCS	0.097	97	80-120		.1mg/L	02/21/99	TJAICP
Copper	LCS	0.24	96	80-120		.25mg/L	02/21/99	TJAICP
Lead	LCS	0.24	97	80-120		.25mg/L	02/21/99	TJAICP
Nickel	LCS	0.25	98	80-120		.25mg/L	02/21/99	TJAICP
Selenium	LCS	0.24	97	80-120		.25mg/L	02/21/99	TJAICP
Silver	LCS	0.025	101	80-120		.025mg/L	02/21/99	TJAICP
Vanadium	LCS	0.096	96	80-120		.1mg/L	02/21/99	TJAICP
Zinc	LCS	0.25	102	80-120		.25mg/L	02/21/99	TJAICP

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Client Pasco County
 Workorder Resource Recovery/Class I

QC Batch MDIG 2606 (48175)
 Original 9001309002
 Matrix Environmental Water

Prep Method SW-846 Digestion 3005
 Prep Date 02/19/99 12:08
 Analysis Method SW-846 6010

QC results affect the following production samples:

9001356001 9001356002 9001356003

QC results for Matrix Spike [101785] - Matrix Spike Duplicate [101786]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Antimony	MS	ND	0.22	90	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.22	89		1.1	0-20	.25mg/L	02/21/99	TJAICP
Arsenic	MS	ND	0.24	94	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.24	94		0	0-20	.25mg/L	02/21/99	TJAICP
Barium	MS	0.35	0.59	96	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.6	98		2.1	0-20	.25mg/L	02/21/99	TJAICP
Beryllium	MS	ND	0.047	95	80-120			.05mg/L	02/21/99	TJAICP
	MSD		0.048	96		1	0-20	.05mg/L	02/21/99	TJAICP
Cadmium	MS	ND	0.05	50	80-120			.1mg/L	02/21/99	TJAICP
	MSD		0.058	58		15	0-20	.1mg/L	02/21/99	TJAICP
Chromium	MS	ND	0.25	98	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.25	99		1	0-20	.25mg/L	02/21/99	TJAICP
Cobalt	MS	ND	0.1	100	80-120			.1mg/L	02/21/99	TJAICP
	MSD		0.1	100		0	0-20	.1mg/L	02/21/99	TJAICP
Copper	MS	ND	0.22	90	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.22	89		1.1	0-20	.25mg/L	02/21/99	TJAICP
Lead	MS	ND	0.15	59	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.17	68		14	0-20	.25mg/L	02/21/99	TJAICP
Nickel	MS	ND	0.25	100	80-120			.25mg/L	02/21/99	TJAICP
	MSD		0.25	100		0	0-20	.25mg/L	02/21/99	TJAICP

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



Client Pasco County
Workorder Resource Recovery/Class I

QC Batch MDIG 2606 (48175)
Original 9001309002
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 02/19/99 12:08
Analysis Method SW-846 6010

QC results for Matrix Spike [101785] - Matrix Spike Duplicate [101786] (continued)

Parameter		Original		Pct	MS/MSD	RPD	Limits	Spiked	Amount	Analyzed	Instru ID
		Result	QC Result								
Selenium	MS	ND	0.22	89	80-120			.25mg/L		02/21/99	TJAICP
	MSD		0.22	89		0	0-20	.25mg/L		02/21/99	TJAICP
Silver	MS	ND	0.016	64	80-120			.025mg/L		02/21/99	TJAICP
	MSD		0.018	71		10	0-20	.025mg/L		02/21/99	TJAICP
Vanadium	MS	0.0093	0.11	98	80-120			.1mg/L		02/21/99	TJAICP
	MSD		0.11	100		2	0-20	.1mg/L		02/21/99	TJAICP
Zinc	MS	ND	0.25	100	80-120			.25mg/L		02/21/99	TJAICP
	MSD		0.25	101		1	0-20	.25mg/L		02/21/99	TJAICP

End of Report



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(727) 847-8902

DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM Q-I
DATE: 02/23/99

(Page 1 of 1)

LAB No.	SAMPLE		SAMPLER	DELIVERY TO LAB	
	DATE	TIME		DATE	TIME MATRIX
75854	02/09/99	1320	CHRIS CHILDRESS	02/09/99	1415 WW
75855	02/09/99	1030	CHRIS CHILDRESS	02/09/99	1415 WW
75856	02/09/99	1145	CHRIS CHILDRESS	02/09/99	1415 WW

CLIENT STATION ID:	4MW-1	4MW-4	4MW-5
LAB #:	75854	75855	75856

WATER LEVEL	FEET	35.58	30.13	30.82
FIELD PH	STD. UNITS	7.00	7.30	7.37
FIELD TEMPERATURE	DEGREES C	24.90	23.90	23.30
FIELD CONDUCTIVITY	umhos/cm	1275	285	445
DISSOLVED OXYGEN, FIELD	mg/L	0.70	1.50	1.10
CHLORIDE	mg/L	277	8.45	80.8
COLOR	PCU	5	5	5
AMMONIA NITROGEN	mg/L	<0.03	<0.03	<0.03
NITRATE	mg/L	<0.11	0.58	1.30
TOTAL DISS.SOLIDS	mg/L	1480	252	682
TURBIDITY	NTU	0.07	0.46	0.10
IRON, TOTAL	mg/L	<0.02	0.03	<0.02
MERCURY, TOTAL	mg/L	0.0009	0.0003	0.0003
SODIUM, TOTAL	mg/L	110	3.15	9.86

LABORATORY DIRECTOR



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REPORT OF ANALYSES

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

PROJECT NAME: RES REC GWM Q-I
DATE: 02/19/99

(Page 1 of 1)

LAB No.	SAMPLE		SAMPLER	DELIVERY TO LAB	
	DATE	TIME		DATE	TIME MATRIX
75806	02/08/99	1135	CHRIS CHILDRESS	02/08/99	1430 WW
75807	02/08/99	1250	CHRIS CHILDRESS	02/08/99	1430 WW
75808	02/08/99	1345	CHRIS CHILDRESS	02/08/99	1430 WW

CLIENT STATION ID:	2MW-2	4MW-2	4MW-6
LAB #:	75806	75807	75808

	FEET	37.59	37.11	34.83
WATER LEVEL				
FIELD PH	STD. UNITS	6.40	6.92	7.51
FIELD TEMPERATURE	DEGREES C	23.60	25.20	23.80
FIELD CONDUCTIVITY	umhos/cm	165	155	130
DISSOLVED OXYGEN, FIELD	mg/L	3.90	1.10	3.00
CHLORIDE	mg/L	5.14	4.28	6.00
COLOR	PCU	5	4	4
AMMONIA NITROGEN	mg/L	<0.03	<0.03	<0.03
NITRATE	mg/L	11.7	1.33	0.68
TOTAL DISS.SOLIDS	mg/L	184	123	126
TURBIDITY	NTU	0.37	0.07	0.31
IRON, TOTAL	mg/L	<0.02	<0.02	<0.02
MERCURY, TOTAL	mg/L	0.0006	0.0009	0.0003
SODIUM, TOTAL	mg/L	3.46	2.70	3.09

LABORATORY DIRECTOR



DHRS # 44237, E44123
CompQAP # 870167G

[illegible]



PASCO COUNTY, FLORIDA

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(727) 847-8902

DHRS # 44237, E44123
CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 03/01/1999

QA/QC for SAMPLE Nos: 75854, 75855, 75856,
Page 2

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

TURBIDITY
SM 2130 B
NTU
NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

IRON, TOTAL
SM31138
mg/L
NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS

MERCURY, TOTAL
SM31128
mg/L
75963 5.86 5.63 0.23 4.00 101.10 9987 6.67 6.00 90.00

SODIUM, TOTAL
SM31118
mg/L
75806 3.49 3.46 0.030 0.86 101.10 -----



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DHRS # 44237, E44123
CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS		ANALYST	MDL
		DATE	TIME		
CL- (auto)	SM4500CL E	02/15/99	1200	JK	0.62
COLOR	SM 2120B	02/09/99	1600	JK	0.0
COND, FIELD	SM2510B	02/09/99	1030	CSC	1
DO, FIELD	SM4500-O G	02/09/99	1030	CSC	0.01
FE/T/AA	SM3113B	02/12/99	1250	TER	0.001
FIELD TEMP	SM2550B	02/09/99	1030	CSC	0
H2O LEVEL	FIELD	02/09/99	1030	CSC	0.00
HG/T/CVAA	SM3112B	02/16/99	1600	TER	0.0005
NA/T/FLAA	SM3111B	02/12/99	1330	TER	0.01
NH3 (AUTO)	SM4500NH3H	02/16/99	1400	IF	0.03
NO3	SM4500NO3F	02/10/99	1530	IF	0.11
PH, FIELD	SM4500-H+B	02/09/99	1030	CSC	0.01
TDS	SM2540C	02/09/99	1500	JK	1
TURB	SM 2130 B	02/09/99	1500	CSC	0.01