

4009C00086
ET
**BOARD OF COUNTY COMMISSIONERS
DEPARTMENT OF PUBLIC WORKS**

WACSTD # 39859

3600 W. SOVEREIGN PATH
LECANTO, FLORIDA 34461

ADMINISTRATION OFFICE
Suite 212
352-527-5477 Phone
352-527-5479 Fax

ENGINEERING DIVISION:
Suite 241
352-527-5446 Phone
352-527-5476 Fax

- Land Section
Suite 205
352-527-5447 Phone
352-527-5459 Fax
- Permits & Compliance Sec.
Suite 204
352-527-5448 Phone
352-527-5319 Fax
- Project Management Sec.
Suite 241
352-527-5449 Phone
352-527-5482 Fax
- Survey Section
Suite 241
352-527-5446 Phone
352-527-5482 Fax

1300 S. LECANTO HIGHWAY
LECANTO, FLORIDA 34461

- MAINTENANCE OPERATIONS:
- Facilities Maint. Section
PO Box 143
Lecanto, FL 34460
352-527-0333 Phone
352-527-0654 Fax
 - Fleet Management Section
PO Box 215
Lecanto, FL 34460
352-746-6888 Phone
352-746-5011 Fax

AQUATIC SERVICES
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-9189 Fax

ROAD MAINTENANCE
PO Box 167
Lecanto, FL 34460
352-746-4107 Phone
352-746-1203 Fax

UTILITIES DIVISION
PO Box 440
Lecanto, FL 34460
352-746-2694 Phone
352-746-1676 Fax

SOLID WASTE MANAGEMENT
230 W. Gulf to Lake Highway
PO Box 340
Lecanto, FL 34460
352-746-5000 Phone
352-527-1204 Fax

June 23, 1998

Mr. John Morris
Environmental Specialist III
Dept. of Environmental Protection
Waste Management Section
3804 Coconut Palm Drive
Tampa, FL 33619-8318

REPLY TO:
Solid Waste Management
P.O. Box 340
Lecanto, FL 34460

**RE: SEMI-ANNUAL GROUNDWATER MONITORING REPORT FOR THE
CITRUS COUNTY CENTRAL LANDFILL - PERMIT NO. SO09-274381**

Dear Mr. Morris:

Enclosed please find the first 1998 semi-annual monitoring report for the Citrus County Central Landfill, together with the water level contour map.

Exceedences of MCL's or guidance concentrations are as follows:

- MW-R-1: Iron.
- MW-2: pH.
- MW-3: pH.
- MW-6: pH, Nitrate, Benzene, Bromodichloromethane, Chloroform, Dibromochloromethane, and Vinyl Chloride.
- MW-AA: Iron and Vinyl Chloride.
- MW-B: pH.
- MW-C: None.
- MW-D: Iron.
- MW-E: Iron and Vinyl Chloride.
- MW-7: Iron.
- MW-8-R: pH, Benzene and Vinyl Chloride.
- MW-9: Iron and Vinyl Chloride.

RECEIVED

JUN 25 1998

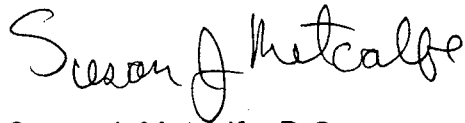
Solid Waste Section

This is the first semi-annual report including wells 7, 8-R and 9, which were sampled initially in September and December, 1997. No new parameters are included in the exceedences for any well. High levels of Iron and low pH are naturally occurring. The metal samples for the following wells were field filtered: MW-3, MW-6, MW-B, MW-C, MW-D and MW-7.

John Morris
Groundwater Monitoring Report
June 23, 1998
Page Two

Should further information or clarification be necessary, please do not hesitate to contact me. It was a pleasure to see you again and show you our site and monitoring points.

Sincerely,



Susan J. Metcalfe, P.G.
Director, Division of Solid Waste Management

SJM:CJW:cjw

CC: Chongman Lee - Solid Waste - Tallahassee
Kenneth Saunders, Director, Dept. Public Works w/o attachments

Florida Department of Environmental Protection

Two 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 CITRUS COUNTY CENTRAL-LANDFILL
Address 230 W. GULF-TO-LAKE HIGHWAY
City LECANTO, FL Zip 34461
Telephone Number (352) 746-5000
- (2) The GMS Identification Number 4009C00086
- (3) DEP Permit Number S009-274381 AND SF09-211030
- (4) Authorized Representative Name SUSAN J. METCALFE
Address P.O. BOX 340
City LECANTO, FL Zip 34460
Telephone Number (352) 746-5000
- (5) Type of Discharge GROUNDWATER
- (6) Method of Discharge UNKNOWN - LINED LANDFILL

Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document, 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: June 23, 1998



Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

- Sample Organization Comp QAP # #870174G
- Analytical Lab Comp QAP #/HRS Certification # E96080 / 96230
*Comp QAP #/HRS Certification # _____
- Lab Name HARBOR BRANCH ENVIRONMENTAL LABORATORY
- Address 5600 U.S. 1 NORTH, FORT PIERCE, FLORIDA 34946
- Phone Number (561) 465-2400

PART III ANALYTICAL RESULTS

Facility GMS #: 4009C00086

Sampling Date/Time: _____

Test Site ID #: _____

Report Period: _____

(year/quarter)

Well Name: _____

Well Purged (Y/N): _____

Classification of Ground Water: _____

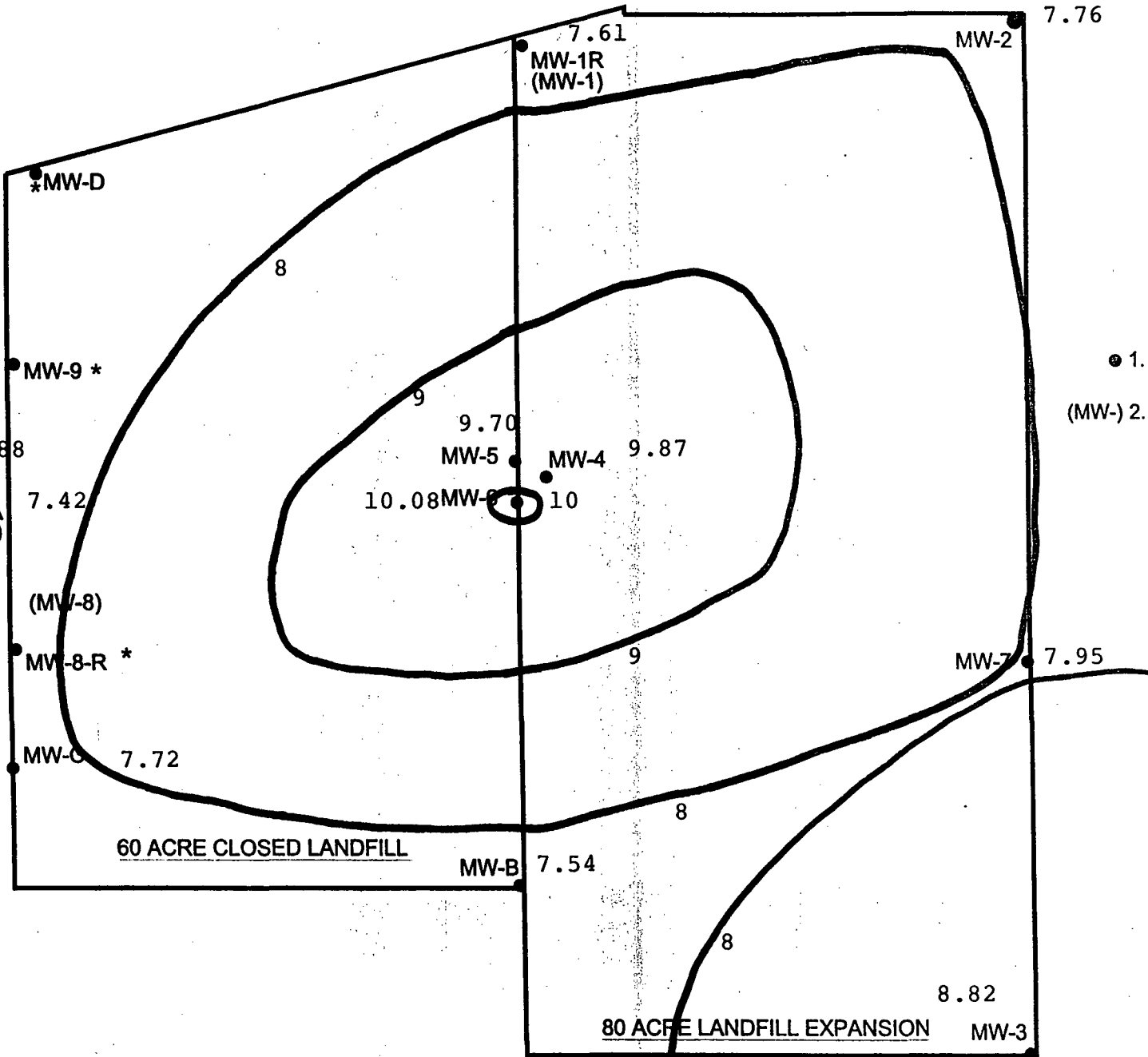
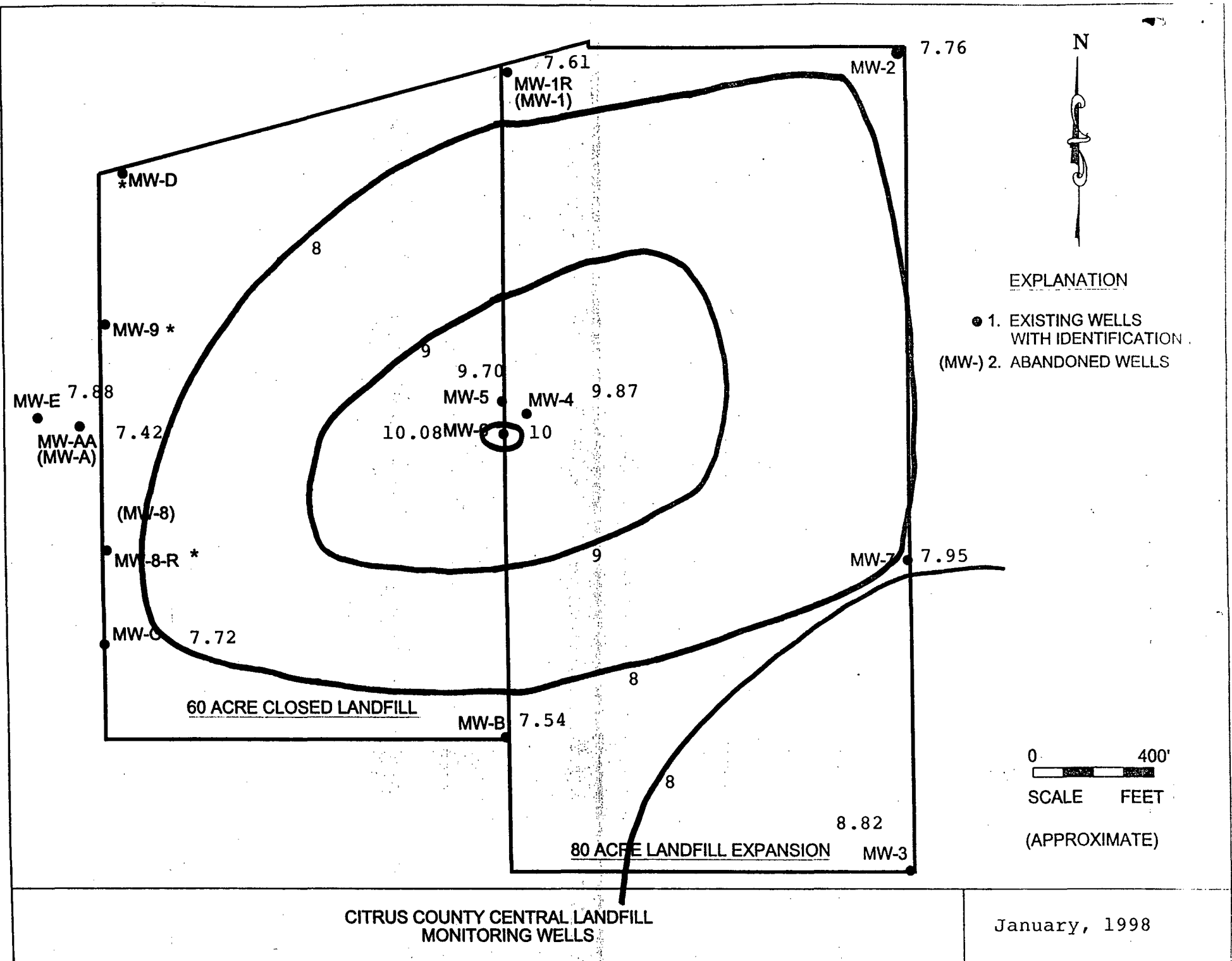
Well Type: () Background
 () Intermediate
 () Compliance
 () Other

Ground Water 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
			SEE ATTACHED				

* Attach Laboratory Reports



CITRUS COUNTY CENTRAL LANDFILL

MONITORING	MEASURING POINT	DEPTH TO WATER	WATER LEVEL	WELL SITE
WELL	ELEVATION (FEET)	(FEET)	ELEVATION	IDENTIFICATION NO.
AA (1)	106.11	98.69	7.42	4009A17271
B (1)	111.94	104.40	7.54	4009A13195
C (1)	115.18	107.46	7.72	4009A13196
D (1)	109.77		*	4009A11578
E (4)	109.88	102.00	7.88	4009A17478
1-R (3)	118.25	110.64	7.61	4009A17267
2 (2)	136.29	128.53	7.76	4009A15909
3 (2)	120.47	111.65	8.82	4009A15910
4 (3)	122.62	112.75	9.87	4009A17268
5 (3)	121.14	111.44	9.70	4009A17269
6 (3)	118.48	108.40	10.08	4009A17270
7 (5)	128.66	120.71	7.95	4009A17663
8 (5)	113.55	110.67	2.88 *	4009A17664
9 (5)	117.76	106.00	11.76 *	4009A17665

MPE - DTW = WLE

1 per 2/8/93 drawing "grading plan" Tom Fears

2 per 12/92 drawing "leachate recirculation"

3 per 6/94 drawing "boundary survey" Pat Henson, FRS

4 per 11/94 drawing "boundary survey" Pat Henson, FRS

5 per 4/16/97 drawing " boundary survey" Pat Henson, FRS

*Reported problem

with field measurement

Values not used on

contour map.

cjw

**CITRUS COUNTY CENTRAL LANDFILL
GMS#4009C0086**

DATE:	MCL													
NOTE: MCL OR GC* UG/L UN- LESS MG/L INDICATED	OR GC*	WELL MW-R-1	WELL MW-2	WELL MW-3	WELL MW-6	WELL MW-AA	WELL MW-B	WELL MW-C	WELL MW-D	WELL MW-E	WELL MW-7	WELL MW-8-R	WELL MW-9	
FIELD PARAMETERS:														
STATIC WATER LEVEL, FT.		110.64	128.53	111.65	108.4	98.69	104.40	107.46		102.00	120.71	110.67	106.00	
CONDUCTIVITY, UNHOS/CB		130	20	30	750	760	80	220	410	670	700	180	800	
PH UNITS, FIELD	6.5-8.5	6.9	5.5	5.0	4.4	7.0	4.9	7.6	7.5	7.2	7.4	6.1	7.0	
DISSOLVED OXYGEN, MG/L		4.7	5.5	7.4	1.5	1.8	3.1	3.8	2.3	1.6	5.4	2.1	1.1	
TURBIDITY, FIELD	1 NTU	0.090	0.2	14	100	4.5	11	24	5.5	0.66	45	1.3	3.1	
TURBIDITY, FIELD FILTERED	1 NTU	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	
TEMPERATURE, DEG C		20	22	20	22	22	24	24	24	21	22	21	24	
COLORS & SHEENS (BY OBSERVATION)		LIGHT YELLOW	CLEAR	CLEAR	LIGHT YELLOW	ORANGE	CLEAR	CLEAR	LIGHT YELLOW	LIGHT ORANGE	CLEAR	CLEAR	CLEAR	
LABORATORY PARAMETERS:														
ETHYLENE DIBROMIDE (EDB)(1)	0.02 <	0.019 <	0.018 <	0.019 <	0.019 <	0.019 <	0.019 <	0.018 <	0.019 <	0.019 <	0.019 <	0.019 <	0.018	
DIBROMOCHLOROPROPANE (DBCP) (2)	0.2 <	0.019 <	0.018 <	0.019 <	0.019 <	0.019 <	0.019 <	0.018 <	0.019 <	0.019 <	0.019 <	0.019 <	0.018	
ACETONE	700 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10	
ACRYLONITRILE	*8 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0	
BENZENE	1 <	1.0 <	1.0 <	1.0 <	1.7 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	4.1 <	1.0	
BROMOCHLOROMETHANE	100 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
BROMODICHLOROMETHANE	*0.6 <	1.0 <	1.0 <	1.0 <	9.3 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
BROMOFORM	*4 <	2.0 <	2.0 <	2.0 <	2.5 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	
CARBON DISULFIDE	700 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
CARBON TETRACHLORIDE	3 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
CHLOROBENZENE	10 <	1.0 <	1.0 <	1.0 <	1.0 <	1.3 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	6.9	2.3	
CHLOROETHANE	*140 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
CHLOROFORM	*6 <	1.0	2.3	1.4	7.4 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
DIBROMOCHLOROMETHANE	*7 <	1.0 <	1.0 <	1.0	9.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
1,2-DICHLOROBENZENE	600 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	
1,4-DICHLOROBENZENE	75 <	2.0 <	2.0 <	2.0 <	2.0	8.7 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	12	6.0	
T-1,4-DICHLORO-2-BUTENE	<	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
1,1-DICHLOROETHANE	*700 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	
1,2-DICHLOROETHANE	3 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	
1,1-DICHLOROETHYLENE (3)	7 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
C-1,2-DICHLOROETHYLENE (4)	100 <	2.0 <	2.0 <	2.0	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	12 <	2.0	

**CITRUS COUNTY CENTRAL LANDFILL
GMS#4009C00086**

DATE	MCL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL	WELL
NOTE: MCL OR GC* UG/L UN- LESS MG/L INDICATED	OR GC*	MW-R-1	MW-2	MW-3	MW-6	MW-AA	MW-B	MW-C	MW-D	MW-E	MW-7	MW-8-R	MW-9
LABORATORY PARAMETERS:													
T-1,2-DICHLOROETHYLENE (5)	100 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
1,2-DICHLOROPROPANE	5 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
C-1,3-DICHLOROPROPENE	1 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
T-1,3-DICHLOROPROPENE	1 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
ETHYLBENZENE	700 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
2-HEXANONE	50 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
METHYL BROMIDE (6)	*10 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
METHYL CHLORIDE (7)	5 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
METHYL ETHYL KETONE (8)	*4200 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
METHYL IODIDE	<	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <
4-METHYL-2-PENTANONE	*350 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
METHYLENE BROMIDE (9)	<	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <
METHYLENE CHLORIDE	5 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <
STYRENE	100 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
1,1,1,2-TETRACHLOROETHANE	*1 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
1,1,2,2-TETRACHLOROETHANE	*0.2 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <
TETRACHLOROETHYLENE (10)	<	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
TOLUENE	1000 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
1,1,1-TRICHLOROETHANE	200 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <
1,1,2-TRICHLOROETHANE	5 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
TRICHLOROETHYLENE (11)	3 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
TRICHLOROFLUOROMETHANE	*2100 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <
1,2,3-TRICHLOROPROPANE	*42 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <
VINYL ACETATE	250 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <
VINYL CHLORIDE	1 <	1.0 <	1.0 <	1.0	4.6	3.1 <	1.0 <	1.0 <	1.0	2.1 <	1.0	4.2	2.6
XYLENE (TOTAL)	10000 <	2.0 <	2.0 <	2.0	4.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	7.8 <	2.0
CHLORIDE, MG/L	250	8.6	1.8	8.2	140	3.2 <	3.0	4.3	5.6	4.1	8.2	8.6	15
NITROGEN:AMMONIA	<	0.050 <	0.050	0.059	2.0	0.50 <	0.050 <	0.050	0.13	0.12 <	0.050	1.2	2.3
NITROGEN:NITRATE, MG/L	10	0.066 <	0.066	0.25	31 <	0.066 <	0.066 <	0.066	0.009 <	0.066 <	0.066 <	0.066 <	0.060
TDS MG/L	500	66 <	10	22	370	430	16	40	300	380	420	99	450

**CITRUS COUNTY CENTRAL LANDFILL
GMS#4009C00086**

DATE	MCL													
NOTE: MCL OR GC* UG/L UN- LESS MG/L INDICATED	OR GC*	WELL MW-R-1	WELL MW-2	WELL MW-3	WELL MW-6	WELL MW-AA	WELL MW-B	WELL MW-C	WELL MW-D	WELL MW-E	WELL MW-7	WELL MW-8-R	WELL MW-9	
FIELD FILTERED	Y/N	N	N	Y	Y	N	N	Y	Y	N	Y	N	N	
LABORATORY PARAMETERS:														
BARIUM	2000	17 <	10	160	370	36	190	200	120	87	160	14	120	
COLBALT		13 <	2.0 <	2.0	3.1	22 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	9.7	
IRON	300	4000	140 <	40	180	14000	54 <	43	1400 <	12000	360	270 <	1000	
SODIUM	160000	6800	1700 <	8100	99000 <	5500	11000 <	8800	12000 <	3300	140000 <	19000 <	12000	
BERYLLIUM	4 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0
CADIUM	5 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0
CHROMIUM	100 <	2.0 <	2.0 <	2.0 <	2.0	2.2 <	2.0 <	2.0 <	2.0 <	2.0	3.3 <	2.0 <	2.0	
COPPER	1000 <	2.0 <	2.0	4.8	8.4 <	2.0	11 <	2.0 <	2.0 <	2.0	4.6 <	2.0 <	2.0	
NICKEL	100	10 <	5.0 <	5.0	11	18	5.9 <	5.0	10	8.4 <	5.0	5.6	16	
SILVER	100 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0 <	1.0	
ZINC	5000 <	50 <	50	120	200 <	50	290	70 <	50 <	50	140 <	50 <	50	
ARSENIC	50 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	11	9.1 <	5.0	11	
LEAD	15 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0 <	3.0	
ANTIMONY	6 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10 <	10	
SELENIUM	50 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0 <	5.0	
THALLIUM	2 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0 <	2.0	
MERCURY	2 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50 <	0.50	
VANADIUM	*49 <	4.0 <	4.0 <	4.0 <	4.0 <	4.0 <	4.0 <	4.0 <	4.0 <	4.0	14 <	4.0 <	4.0	
PARAMETERS REPORTED AS THE FOLLOWING ON LAB ANALYSIS														
(1) 1,2-DIBROMOETHANE														
(2) 1,2-DIBROMO-3-CHLOROPROPANE														
(3) 1,1-DICHLOROETHENE														
(4) C-1,2-DICHLOROETHENE														
(5) T-1,2-DICHLOROETHENE														
(6) BROMOMETHANE														
(7) CHLOROMETHANE														
(8) 2-BUTANONE														
(9) DIBROMOMETHANE														
(10) TETRACHLOROETHENE														
(11) TRICHLOROETHENE														(ND-NO DATA)

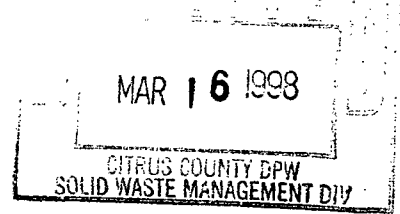
**HARBOR BRANCH
ENVIRONMENTAL LABORATORY**



5600 U.S. 1 NORTH
FORT PIERCE, FLORIDA 34946

(561) 465-2400, Ext. 285 or 448
FAX (561) 467-1584

**ANALYTICAL REPORT FOR:
CITRUS COUNTY CENTRAL LANDFILL
SEMI ANNUAL MONITORING WELLS
GMS # 4009C00086**



**PRESENTED TO:
CATHY WINTER**

**ANALYSIS BY:
HARBOR BRANCH ENVIRONMENTAL LABORATORY
CompQAP #870174G
HRS #E96080/96230**

**PROJECT MANAGER:
DON HASH**

Handwritten signature of Don Hash in cursive script.

**LABORATORY DIRECTOR:
N. MYRON GUNSALUS, JR.**

Handwritten signature of N. Myron Gunsalus, Jr. in cursive script.

MARCH 3, 1998

RECEIVED

JUN 25 1998

Solid Waste Section



Quality Control Summary

- **Laboratory Blank:** All analytes were below Reporting Detection Limits (RDL).
- **Laboratory Control Sample/
Laboratory Control Sample
Duplicate:** Recoveries for analytes were within laboratory precision and accuracy limits.
- **Matrix Spike/Matrix Spike
Duplicate:** Recoveries for analytes were within laboratory precision and accuracy limits.
- **Sample Duplicate:** Analysis data demonstrated acceptable reproducibility of laboratory processes.

Water Temperature, Dissolved Oxygen, Turbidity, pH, and Specific Conductance measurements were made in the field at the time of sampling. Due to a field sampling oversight, Turbidity measurements after filtration were not done for MW 6, 3, 7, B, and C.

As a result of suspected matrix interference, the matrix spike and matrix spike duplicate analyses associated with samples 8000602001 – 8000602007 produced results for the EPA 8260 analysis of Vinyl Acetate that fell outside of established precision and accuracy limits. Accuracy was demonstrated with the analysis of the laboratory control sample. All other quality control criteria were met.

Acetone was detected in the method blank associated with the EPA 8260 analysis of samples 8000602001 – 800602007 at a level slightly above the Method Detection Limit. This analyte was not detected in any of the samples.

The field duplicate results for Chloride and Nitrate have repeatedly demonstrated the reported values which are inconsistent with the native sample.

A handwritten signature in black ink, appearing to read "Eric Coardest", is written over a horizontal line.

Eric Coardest

Quality Assurance Manager



SUMMARY OF EXCEEDENCES

Referencing

Florida Ground Water Guidance Concentrations, June 1994

for

Harbor Branch Environmental Laboratory

HPN #: 8000602

1,1,2,2 – Tetrachloroethane RL, 2, is above the GCL of 0.2 ug/L.

Bromodichloromethane RL, 1, is above the GCL of 0.6 ug/L.

MW 6: Nitrate, Benzene, Bromodichloromethane, Chloroform, Dibromochloromethane and Vinyl Chloride exceed GCLs.

MW 7: Iron exceeds GCLs.

MW 2: pH is out range of GCLs.

MW B: pH is out of range of GCLs.

Field Filtration Device



HI CAPACITY GROUNDWATER FILTER

CATALOG NO. FGI0860-1038B

DESCRIPTION: IN-LINE, 860 CM2, 1 MICRON, 3/8" BARB STEMS.

TELEPHONE: 1-800-446-3781

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561-465-2400, Ext. 285

FDEP QAP 870174



REVISED

3-15-98/00

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17270

HBEL Sample ID: 8000602001

Sampling Date/Time: 01/22/98 7:52

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 6

Well Purged (Y/N) : Y

Classification of Ground Water: GW -II

Well Type: Background

Ground Water Elevation (NGVD) : 120.00 ft.

Intermediate

or (MSL):

Compliance

Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units	
000081	Color & Sheens	G	N	-	02/23/98 9:00	Light Yellow	-	-
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 7:52	750	umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 7:52	4.4	SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	370	mg/L	20 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 7:52	22	:C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/22/98 7:52	100	NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 20:04	140	mg/L	15 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 20:04	31	mg/L	0.30 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	2.0	mg/L	0.25 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 7:52	1.5	mg/L	0.50 mg/L
---	Water Level Elevation (to TOC)	G	N	Observation	01/22/98 7:52	108.40	ft	--
001097	Antimony	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	5.0 ug/L
001002	Arsenic	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	5.0 ug/L
001007	Barium	G	Y	SW-846 6010	01/28/98 20:14	370	ug/L	10 ug/L
001012	Beryllium	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	1.0 ug/L
001027	Cadmium	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	1.0 ug/L
001034	Chromium	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	2.0 ug/L
001037	Cobalt	G	Y	SW-846 6010	01/28/98 20:14	3.1	ug/L	2.0 ug/L
001042	Copper	G	Y	SW-846 6010	01/28/98 20:14	8.4	ug/L	2.0 ug/L
001045	Iron	G	Y	SW-846 6010	01/28/98 20:14	180	ug/L	40 ug/L
001051	Lead	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	3.0 ug/L
001067	Nickel	G	Y	SW-846 6010	01/28/98 20:14	11	ug/L	5.0 ug/L
001147	Selenium	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	5.0 ug/L
001077	Silver	G	Y	SW-846 6010	01/28/98 20:14	ND	ug/L	1.0 ug/L

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REVISED
3-13-98 JDO

PART III ANALYTICAL RESULTS

Facility GMS#: 4009C00086

Test Site ID#: 4009A17270

HBEL Sample ID: 8000602001

Sampling Date/Time: 01/22/98 7:52

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N): Y

Well Name: MW - 6

Well Type: Background

Classification of Ground Water: GW -II

Intermediate

Ground Water Elevation (NGVD): 120.00 ft.

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
000929	Sodium	G	Y	SW-846 6010	01/28/98 20:14	99000 ug/L	1000 ug/L
001087	Vanadium	G	Y	SW-846 6010	01/28/98 20:14	ND ug/L	4.0 ug/L
001092	Zinc	G	Y	SW-846 6010	01/28/98 20:14	200 ug/L	50 ug/L
007900	Mercury	G	Y	SW-846 7470	02/04/98 9:34	ND ug/L	0.50 ug/L
001059	Thallium	G	Y	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/27/98 9:18	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/27/98 9:18	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 20:47	1.7 ug/L	1.0 ug/L

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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REVISED
3-13-98

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17270

Well Name: MW - 6

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 120.00 ft.

or (MSL):

HBEL Sample ID: 8000602001

Sampling Date/Time: 01/22/98 7:52

Report Period: SA June 1997 - Jan. 1998

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
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 20:47	9.3 ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 20:47	2.5 ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 20:47	7.4 ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 20:47	2.0 ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
081521	Dibromochloromethane 32105	G	N	SW-846 8260	01/23/98 20:47	9.0 ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 20:47	4.0 ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L

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3-13-98

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17270

Well Name: MW - 6

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 120.00 ft.

or (MSL):

HBEL Sample ID: 8000602001

Sampling Date/Time: 01/22/98 7:52

Report Period: SA June 1997 - Jan. 1998

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
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 20:47	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 20:47	4.6 ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

Facility GMS#: 4009C00086

Test Site ID#: 4009A15910

REVISED
3-13-98

HBEL Sample ID: 8000602002

Sampling Date/Time: 01/22/98 9:10

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 3

Well Purged (Y/N): Y

Classification of Ground Water: GW-II

Well Type: Background
 Intermediate
 Compliance
 Other

Ground Water Elevation (NGVD): 119.00 ft.

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000081	Color & Sheens	G	N	-	02/23/98 9:00	Clear	-
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 9:10	30 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 9:10	5.0 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	22 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 9:10	20 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/22/98 9:10	14 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 20:38	8.2 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 20:38	0.25 mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	0.059 mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 9:10	7.4 mg/L	0.50 mg/L
---	Water Level Elevation (to TOC)	G	N	Observation	01/22/98 9:10	111.65 ft	---
001097	Antimony	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	5.0 ug/L
001002	Arsenic	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	5.0 ug/L
001007	Barium	G	Y	SW-846 6010	01/28/98 20:20	160 ug/L	10 ug/L
001012	Beryllium	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	1.0 ug/L
001027	Cadmium	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	1.0 ug/L
001034	Chromium	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	2.0 ug/L
001037	Cobalt	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	2.0 ug/L
001042	Copper	G	Y	SW-846 6010	01/28/98 20:20	4.8 ug/L	2.0 ug/L
001045	Iron	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	40 ug/L
001051	Lead	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	3.0 ug/L
001067	Nickel	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	5.0 ug/L
001147	Selenium	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	5.0 ug/L
001077	Silver	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	1.0 ug/L

Southeast Florida
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Orlando Area
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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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PART III ANALYTICAL RESULTS

REVISED
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Facility GMS# : 4009C00086

Test Site ID# : 4009A15910

Well Name: MW - 3

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD) : 119.00 ft.

or (MSL):

HBEL Sample ID: 8000602002

Sampling Date/Time: 01/22/98 9:10

Report Period: SA June 1997 - Jan. 1998

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
000929	Sodium	G	Y	SW-846 6010	01/28/98 20:20	8100 ug/L	1000 ug/L
001087	Vanadium	G	Y	SW-846 6010	01/28/98 20:20	ND ug/L	4.0 ug/L
001092	Zinc	G	Y	SW-846 6010	01/28/98 20:20	120 ug/L	50 ug/L
007900	Mercury	G	Y	SW-846 7470	02/04/98 9:34	ND ug/L	0.50 ug/L
001059	Thallium	G	Y	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/27/98 9:48	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/27/98 9:48	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : 4009A15910

REVISED
3-13-98

HBEL Sample ID: 8000602002

Sampling Date/Time: 01/22/98 9:10

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 3

Well Purged (Y/N) : Y

Classification of Ground Water: GW - II

Well Type: Background

Ground Water Elevation (NGVD) : 119.00 ft.
or (MSL):

Intermediate

Compliance

Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 21:32	1.4 ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

REVISED
3-13-98 JPD

Facility GMS# : 4009C00086

Test Site ID# : 4009A15910

HBEL Sample ID: 8000602002

Sampling Date/Time: 01/22/98 9:10

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 3

Well Purged (Y/N) : Y

Classification of Ground Water: GW -II

Well Type: Background

Ground Water Elevation (NGVD) : 119.00 ft.

Intermediate

or (MSL):

Compliance

Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 21:32	ND ug/L	1.0 ug/L

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3-13-98 100

7663

PART III ANALYTICAL RESULTS

Facility GMS#: 4009C00086

Test Site ID#: TBA

Well Name: MW - 7

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD): 137.00 ft.

or (MSL):

HBEL Sample ID: 8000602003

Sampling Date/Time: 01/22/98 10:25

Report Period: SA June 1997 - Jan. 1998

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
000081	Color & Sheens	G	N	-	02/23/98 9:00	Clear	-
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 10:25	700 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 10:25	7.4 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	420 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 10:25	22 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/22/98 10:25	45 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 20:54	8.2 mg/L	1.5 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 20:54	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	ND mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 10:25	5.4 mg/L	0.50 mg/L
--	Water Level Elevation (to TOC)	G	N	Observation	01/22/98 10:25	120.71 ft.	--
001097	Antimony	G	Y	SW-846 6010	01/28/98 20:26	6.0 ug/L	5.0 ug/L
001002	Arsenic	G	Y	SW-846 6010	01/28/98 20:26	9.1 ug/L	5.0 ug/L
001007	Barium	G	Y	SW-846 6010	01/28/98 20:26	160 ug/L	10 ug/L
001012	Beryllium	G	Y	SW-846 6010	01/28/98 20:26	ND ug/L	1.0 ug/L
001027	Cadmium	G	Y	SW-846 6010	01/28/98 20:26	ND ug/L	1.0 ug/L
001034	Chromium	G	Y	SW-846 6010	01/28/98 20:26	3.3 ug/L	2.0 ug/L
001037	Cobalt	G	Y	SW-846 6010	01/28/98 20:26	ND ug/L	2.0 ug/L
001042	Copper	G	Y	SW-846 6010	01/28/98 20:26	4.6 ug/L	2.0 ug/L
001045	Iron	G	Y	SW-846 6010	01/28/98 20:26	360 ug/L	40 ug/L
001051	Lead	G	Y	SW-846 6010	01/28/98 20:26	ND ug/L	3.0 ug/L
001067	Nickel	G	Y	SW-846 6010	01/28/98 20:26	ND ug/L	5.0 ug/L
001147	Selenium	G	Y	SW-846 6010	01/28/98 20:26	ND ug/L	5.0 ug/L
001077	Silver	G	Y	SW-846 6010	01/28/98 20:26	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

Facility GMS#: 4009C00086

Test Site ID#: TBA

Well Name: MW - 7

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD): 137.00 ft.

or (MSL):

REVISED
3-13-98 JLD

HBEL Sample ID: 8000602003

Sampling Date/Time: 01/22/98 10:25

Report Period: SA June 1997 - Jan. 1998

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
000929	Sodium	G	Y	SW-846 6010	01/28/98 20:26	140000 ug/L	1000 ug/L
001087	Vanadium	G	Y	SW-846 6010	01/28/98 20:26	14 ug/L	4.0 ug/L
001092	Zinc	G	Y	SW-846 6010	01/28/98 20:26	140 ug/L	50 ug/L
007900	Mercury	G	Y	SW-846 7470	02/04/98 9:34	ND ug/L	0.50 ug/L
001059	Thallium	G	Y	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/27/98 10:19	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/27/98 10:19	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L

Southeast Florida
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FDOH #84526 / E84418

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

13-15-98

Facility GMS# : 4009C00086

Test Site ID# : TBA

Well Name: MW - 7

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : 137.00 ft.

or (MSL):

HBEL Sample ID: 8000602003

Sampling Date/Time: 01/22/98 10:25

Report Period: SA June 1997 - Jan. 1998

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
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

REVISED
3-13-98 JDO

Facility GMS# : 4009C00086

Test Site ID# : TBA

HBEL Sample ID: 8000602003

Sampling Date/Time: 01/22/98 10:25

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Name: MW - 7

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : 137.00 ft.

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
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 22:20	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

13-13-98/100

Facility GMS# : 4009C00086
Test Site ID# : 4009A15909

HBEL Sample ID: 8000602004

Sampling Date/Time: 01/22/98 12:14

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 2

Well Purged (Y/N) : Y

Classification of Ground Water: GW-II

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

Ground Water Elevation (NGVD) : 160.00 ft.
or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
000081	Color & Sheens	G	N	-	02/23/98 9:00	Clear	-	-	-
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 12:14	20	umhos/cm	2.0	umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 12:14	5.5	SU	0.20	SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	ND	mg/L	10	mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 12:14	22	:C	0.20	:C
082078	Turbidity	G	N	EPA 180.1	01/22/98 12:14	0.20	NTU	0.090	NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 21:44	1.8	mg/L	0.30	mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 21:44	ND	mg/L	0.0060	mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	ND	mg/L	0.050	mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 12:14	5.5	mg/L	0.50	mg/L
---	Water Level Elevation (to TOC)	G	N	Observation	01/22/98 12:14	128.53	ft.	---	---
001097	Antimony	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	5.0	ug/L
001002	Arsenic	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	5.0	ug/L
001007	Barium	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	10	ug/L
001012	Beryllium	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	1.0	ug/L
001027	Cadmium	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	1.0	ug/L
001034	Chromium	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	2.0	ug/L
001037	Cobalt	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	2.0	ug/L
001042	Copper	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	2.0	ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 20:32	140	ug/L	40	ug/L
001051	Lead	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	3.0	ug/L
001067	Nickel	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	5.0	ug/L
001147	Selenium	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	5.0	ug/L
001077	Silver	G	N	SW-846 6010	01/28/98 20:32	ND	ug/L	1.0	ug/L

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PART III ANALYTICAL RESULTS

REVISED
3-13-98 *js*

Facility GMS#: 4009C00086

Test Site ID#: 4009A15909

HBEL Sample ID: 8000602004

Sampling Date/Time: 01/22/98 12:14

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 2

Well Purged (Y/N): Y

Classification of Ground Water: GW-II

Well Type: Background

Ground Water Elevation (NGVD): 160.00 ft.

Intermediate

or (MSL):

Compliance

Other

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	N	SW-846 6010	01/28/98 20:32	1700 ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/28/98 20:32	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/28/98 20:32	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	02/04/98 9:34	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/03/98 22:24	ND ug/L	0.018 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/03/98 22:24	ND ug/L	0.018 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034516	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



PART III ANALYTICAL RESULTS

REVISED
3-13-18 JDO

Facility GMS# : 4009C00086

Test Site ID# : 4009A15909

HBEL Sample ID: 8000602004

Sampling Date/Time: 01/22/98 12:14

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 2

Well Purged (Y/N) : Y

Classification of Ground Water: GW-II

Well Type: Background

Intermediate

Ground Water Elevation (NGVD) : 160.00 ft.

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
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 23:08	2.3 ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L

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REVISED
3-13-08
jpb

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A15909

Well Name: MW - 2

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : 160.00 ft.

or (MSL):

HBEL Sample ID: 8000602004

Sampling Date/Time: 01/22/98 12:14

Report Period: SA June 1997 - Jan. 1998

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
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 23:08	ND ug/L	1.0 ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A15909

Well Name: MW - 2 Dup.

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 160.00 ft.

or (MSL):

REVISED
B-13-018 JPO

HBEL Sample ID: 8000602005

Sampling Date/Time: 01/22/98 12:20

Report Period: SA June 1997 - Jan. 1998

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
000081	Color & Sheens	G	N	-	02/23/98 9:00	Clear -	-
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 12:20	20 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 12:20	5.5 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	ND mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 12:20	22 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/22/98 12:20	0.2 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 22:34	6.7 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 22:34	2.9 mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	ND mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 12:20	5.8 mg/L	0.50 mg/L
-	Water Level Elevation (to TOC)	G	N	Observation	01/22/98 12:20	128.53 ft	-
001097	Antimony	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 20:38	140 ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	1.0 ug/L

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FDEP QAP 870174



3-13-98 JDO

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : 4009A15909

HBEL Sample ID: 8000602005

Sampling Date/Time: 01/22/98 12:20

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 2 Dup.

Well Purged (Y/N) : Y

Classification of Ground Water: GW -II

Well Type: Background

Ground Water Elevation (NGVD) : 160.00 ft.

Intermediate

or (MSL):

Compliance

Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	N	SW-846 6010	01/28/98 20:38	1600 ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/28/98 20:38	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	02/04/98 9:35	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/03/98 22:55	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/03/98 22:55	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A15909

3-13-98 100

HBEL Sample ID: 8000602005

Sampling Date/Time: 01/22/98 12:20

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - 2 Dup.

Well Purged (Y/N) : Y

Classification of Ground Water: GW-II

Well Type: Background

Intermediate

Compliance

Other

Ground Water Elevation (NGVD) : 160.00 ft.

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 23:54	2.4 ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L

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

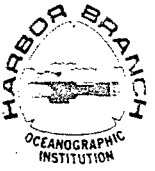
Fort Myers Area
Lehigh Acres, FL 33936
FDOH #85512 / E85370

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

REVISED
3-13-98

Facility GMS# : 4009C00086

Test Site ID# : 4009A15909

Well Name: MW - 2 Dup.

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 160.00 ft.

or (MSL):

HBEL Sample ID: 8000602005

Sampling Date/Time: 01/22/98 12:20

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 23:54	ND ug/L	1.0 ug/L

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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313-98100

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : 4009A13195

HBEL Sample ID: 8000602006

Sampling Date/Time: 01/22/98 13:36

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - B

Well Purged (Y/N) : Y

Classification of Ground Water: GW-II

Well Type: Background

Ground Water Elevation (NGVD) : 128.00 ft.
or (MSL):

Intermediate

Compliance

Other DETECTION

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000081	Color & Sheens	G	N	--	02/23/98 9:00	Clear -	--
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 13:36	80 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 13:36	4.9 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	16 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 13:36	24 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/22/98 13:36	11 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 23:24	ND mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 23:24	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	ND mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 13:36	3.1 mg/L	0.50 mg/L
--	Water Level Elevation (to TOC)	G	N	Observation	01/22/98 13:36	104.40 ft.	--
001097	Antimony	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	5.0 ug/L
001002	Arsenic	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	5.0 ug/L
001007	Barium	G	Y	SW-846 6010	01/28/98 20:56	190 ug/L	10 ug/L
001012	Beryllium	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	1.0 ug/L
001027	Cadmium	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	1.0 ug/L
001034	Chromium	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	2.0 ug/L
001037	Cobalt	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	2.0 ug/L
001042	Copper	G	Y	SW-846 6010	01/28/98 20:56	11 ug/L	2.0 ug/L
001045	Iron	G	Y	SW-846 6010	01/28/98 20:56	54 ug/L	40 ug/L
001051	Lead	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	3.0 ug/L
001067	Nickel	G	Y	SW-846 6010	01/28/98 20:56	5.9 ug/L	5.0 ug/L
001147	Selenium	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	5.0 ug/L
001077	Silver	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	1.0 ug/L

Southeast Florida
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FDOH #85512 / E85370

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FDEP QAP 870174



3-13-98

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A13195

HBEL Sample ID: 8000602006

Sampling Date/Time: 01/22/98 13:36

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Name: MW - B

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 128.00 ft.

or (MSL):

Well Type: Background

Intermediate

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	Y	SW-846 6010	01/28/98 20:56	11000 ug/L	1000 ug/L
001087	Vanadium	G	Y	SW-846 6010	01/28/98 20:56	ND ug/L	4.0 ug/L
001092	Zinc	G	Y	SW-846 6010	01/28/98 20:56	290 ug/L	50 ug/L
007900	Mercury	G	Y	SW-846 7470	02/04/98 9:35	ND ug/L	0.50 ug/L
001059	Thallium	G	Y	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/03/98 23:27	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/03/98 23:27	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

REVISED
3-13-98, JLD

Facility GMS# : 4009C00086

Test Site ID# : 4009A13195

Well Name: MW - B

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 128.00 ft.

or (MSL):

HBEL Sample ID: 8000602006

Sampling Date/Time: 01/22/98 13:36

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

REVISED
3-13-98 JPO

Facility GMS# : 4009C00086

Test Site ID# : 4009A13195

Well Name: MW - B

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 128.00 ft.

or (MSL):

HBEL Sample ID: 8000602006

Sampling Date/Time: 01/22/98 13:36

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/24/98 0:41	ND ug/L	1.0 ug/L

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FDOH #85512 / E85370

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PART III ANALYTICAL RESULTS

REVISED
3-13-98

Facility GMS# : 4009C00086

Test Site ID# : N/A

HBEL Sample ID: 8000602007

Sampling Date/Time: 01/22/98 8:08

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) :

Well Name: Equipment Blank

Classification of Ground Water: GW-II

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
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 8:08	6.5 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 8:08	6.3 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	ND mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 8:08	18 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/22/98 8:08	1.6 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/27/98 13:37	ND mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 20:21	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	0.10 mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 8:08	9.3 mg/L	0.50 mg/L
001097	Antimony	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	1.0 ug/L
000929	Sodium	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	4.0 ug/L

Southeast Florida
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FDOH #85512 / E85370

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FDOH #84526 / E84418

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FDEP QAP 870174



3-13-98

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : N/A

Well Name: Equipment Blank

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : --

or (MSL):

HBEL Sample ID: 8000602007

Sampling Date/Time: 01/22/98 8:08

Report Period: SA June 1997 - Jan. 1998

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
001092	Zinc	G	N	SW-846 6010	01/28/98 21:02	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	02/04/98 9:36	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/03/98 23:58	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/03/98 23:58	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L

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FDOH #84526 / E84418

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PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : N/A

REVISED
3-13-98

HBEL Sample ID: 8000602007

Sampling Date/Time: 01/22/98 8:08

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) :

Well Name: Equipment Blank

Classification of Ground Water: GW-II

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
032104	Bromoform	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
039180	Trichloroethene	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : N/A

REVISED
3-13-98 JCS

HBEL Sample ID: 8000602007

Sampling Date/Time: 01/22/98 8:08

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) :

Well Name: Equipment Blank

Well Type: Background

Classification of Ground Water: GW -II

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
077057	Vinyl acetate	G	N	SW-846 8260	01/24/98 1:30	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/24/98 1:30	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# : 4009C00086

Test Site ID# : 4009A13196

HBEL Sample ID: 8000602008

Sampling Date/Time: 01/22/98 14:44

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Name: MW - C

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 198.00 ft.

or (MSL):

Well Type: Background

Intermediate

Compliance

Other DETECTION

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000081	Color & Sheens	G	N	-	02/23/98 9:00	Clear	-
000094	Specific Conductance	G	N	EPA 120.1	01/22/98 14:44	220 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/22/98 14:44	7.6 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/28/98 14:30	40 mg/L	40 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/22/98 14:44	24 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/22/98 14:44	24 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 0:14	4.3 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 0:14	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 10:09	ND mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/22/98 14:44	3.8 mg/L	0.50 mg/L
---	Water Level Elevation (to TOC)	G	N	Observation	01/22/98 14:44	107.46 ft	---
001097	Antimony	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	5.0 ug/L
001002	Arsenic	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	5.0 ug/L
001007	Barium	G	Y	SW-846 6010	01/28/98 21:08	200 ug/L	10 ug/L
001012	Beryllium	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	1.0 ug/L
001027	Cadmium	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	1.0 ug/L
001034	Chromium	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	2.0 ug/L
001037	Cobalt	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	2.0 ug/L
001042	Copper	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	2.0 ug/L
001045	Iron	G	Y	SW-846 6010	01/28/98 21:08	43 ug/L	40 ug/L
001051	Lead	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	3.0 ug/L
001067	Nickel	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	5.0 ug/L
001147	Selenium	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	5.0 ug/L
001077	Silver	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

REVISED
 3-13-98

Facility GMS# : 4009C00086
 Test Site ID# : 4009A13196

HBEL Sample ID: 8000602008

Sampling Date/Time: 01/22/98 14:44

Report Period: SA June 1997 - Jan. 1998

Well Name: MW - C

Well Purged (Y/N) : Y

Classification of Ground Water: GW-II

Well Type: Background

Ground Water Elevation (NGVD) : 198.00 ft.

Intermediate

or (MSL):

Compliance

Other **DETECTION**

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	Y	SW-846 6010	01/28/98 21:08	8800 ug/L	1000 ug/L
001087	Vanadium	G	Y	SW-846 6010	01/28/98 21:08	ND ug/L	4.0 ug/L
001092	Zinc	G	Y	SW-846 6010	01/28/98 21:08	70 ug/L	50 ug/L
007900	Mercury	G	Y	SW-846 7470	02/04/98 9:36	ND ug/L	0.50 ug/L
001059	Thallium	G	Y	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	02/04/98 1:32	ND ug/L	0.018 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	02/04/98 1:32	ND ug/L	0.018 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

REVISED
3-13-98

Facility GMS# : 4009C00086

Test Site ID# : 4009A13196

HBEL Sample ID: 8000602008

Sampling Date/Time: 01/22/98 14:44

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Name: MW - C

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : 198.00 ft.

or (MSL):

Well Type: Background

Intermediate

Compliance

Other **DETECTION**

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L

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



PART III ANALYTICAL RESULTS

Facility GMS#: 4009C00086

Test Site ID#: 4009A13196

REVISED
3-13-98

HBEL Sample ID: 8000602008

Sampling Date/Time: 01/22/98 14:44

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N): Y

Well Name: MW - C

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD): 198.00 ft.

or (MSL):

Well Type: Background

Intermediate

Compliance

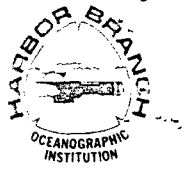
Other **DETECTION**

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/28/98 17:09	ND ug/L	1.0 ug/L

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

3-13-98 100

Facility GMS#: 4009C00086

Test Site ID#: N/A

HBEL Sample ID: 8000602009

Sampling Date/Time: 01/22/98 8:08

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N):

Well Name: Trip Blank

Classification of Ground Water: GW-II

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
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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PART III ANALYTICAL RESULTS

Facility GMS#: 4009C00086
Test Site ID#: N/A

3-13-98 100

HBEL Sample ID: 8000602009

Sampling Date/Time: 01/22/98 8:08

Report Period: SA June 1997 - Jan. 1998

Well Purged (Y/N):

Well Name: Trip Blank

Classification of Ground Water: GW-II

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
034311	Chloroethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
039180	Trichloroethene	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/28/98 17:55	ND ug/L	1.0 ug/L

Field Data Sheet

Sampler(s) Dienst Date 1/22/98 Sample Time _____ Field ID# 1
Project Name Citrus Co. Central Landfill

Sample Type (circle one): WW SW GW DW ReagWtr Sludge Sediment Soil Other
Sample Site Identification MW-6 E. Blank

Sampling Method: Grab Composite Monitoring Well: Bailer Pump

Sampling Equipment: _____
Site and Weather Conditions Overcast, mild, 60-70's, NE @ 5 then SW @ 5-10

Field Instrument Beginning Calibration

pH meter Yes No Buffer 4.0 7.0 7.02 10.0 10.09 Slope =
Conductivity meter Yes No Buffer 147 1414 1413-1413 2900 _____
Turbidity meter Yes No Buffer 0.5 _____ 5.0 _____ 20 _____
DO meter Yes No Temp C° _____ Adjust _____ from _____ 101.5

Field Filtered: Yes No Duplicate: Yes No Field Decontamination: Yes No

Parameter	Sample Containers	pH Check
<input checked="" type="checkbox"/> Nutrient	Plastic - H ₂ SO ₄	<2 <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Metals	Plastic - HNO ₃	<2 <input checked="" type="checkbox"/>
Sulfide	Plastic - NaOH / Zn Acetate	>12
Cyanide	Plastic - NaOH / (NO Sulfide) / Ascorbic Acid	>12
Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res.)	
Oil and Grease	Glass - HCl	<2
TRPH	Glass - HCl	<2 <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> VOA	Glass - HCl	<2 <input checked="" type="checkbox"/>
SVOC	Glass - (DRW NO Chlorine Res.)	
Other Phenols	Glass - H ₂ PO ₄	<2
Other		

Well Diameter	Multiplier
1.5 inches	0.092
2.0 inches	0.163
4.0 inches	0.653
6.0 inches	1.469

Field Instrument Ending Calibration

pH meter Yes No Buffer 4.0 7.0 7.01 10.0 10.05 Slope =
Conductivity meter Yes No Buffer 147 1414 1428-1413 2900 _____
Turbidity meter Yes No Buffer 0.5 _____ 5.0 _____ 20 _____
DO meter Yes No Temp C° _____ Adjust _____ from _____ 96.0

General Site Information/Comments _____

ANALYTICAL FIELD DATA

Project Name Citrus Cr.
Date 1/22/98 Central Landfill

LOCATION	Time	pH	Specific Conductivity	Temperature	D.O.	Turbidity	Residual Chlorine	Comments
MW-6	7:33	4.59	880	21.4°	2.49	85.2		
MW-6	7:36	4.44	780	22.4°	1.53	113.5		
MW-6	7:40	4.36	750	21.8°	1.50	104.0		
Sample time	7:52							
MW-3	8:41	4.92	030	20.0°	7.48	4.72		
MW-3	8:45	4.92	030	20.3°	7.39	3.10		
MW-3	8:53	4.96	030	20.2°	7.37	14.08		
Sample time	9:10							
MW-7	9:47	7.88	660	21.5°	3.36	138.8		
MW-7	9:53	7.41	700	21.7°	4.01	65.2		
MW-7	10:03	7.38	700	21.5°	5.42	44.9		
Sample time	10:25							
E. Blank	8:08	6.34	6.5	17.9°	9.32	1.64		
Trip Blank	8:08							

ANALYTICAL FIELD DATA

Project Name Citrus Co.
Date 1/22/98 Central Landfill

Page 2 of 2

LOCATION	Time	pH	Specific Conductivity	Temperature	D.O.	Turbidity	Residual Chlorine	Comments
MW-2	11:09	5.81	030	22.1°	3.68	1.21		
MW-2	11:35	5.42	020	22.0°	5.61	0.44		
MW-2	12:05	5.54	020	22.1°	5.82	0.20		
Sample time	12:14							
Duplicate (MW-2)	12:20	5.54	020	22.1°	5.82	0.20		
MW-B	13:07	4.72	080	24.2°	4.89	2.71		
MW-B	13:17	4.80	080	24.1°	3.56	8.70		
MW-B	13:30	4.92	080	24.0°	3.13	10.86		
Sample time	13:36							
MW-C	14:14	7.43	210	24.4°	2.89	10.32		
MW-C	14:25	7.46	220	23.6°	2.20	23.80		
MW-C	14:31	7.59	220	23.8°	3.75	23.70		
Sample time	14:44							

CHAIN OF CUSTODY RECORD
The ENVIRONMENTAL LABORATORY at Harbor Branch

5600 U. S. 1 North, Ft. Pierce, FL 34946, 407-465-2400 ext. 285

COMPANY: Citrus Co.
 ADDRESS: Central Landfill
 PHONE: _____
 FAX: _____
 CLIENT CONTACT: _____
 PURCHASE ORDER #: _____

DATE NEEDED: Normal TAT
 CLIENT PROJECT: _____
 PROJECT NAME / #: Wells - S/A.
 HBOI W/O & HPN: E000602

SPECIAL INSTRUCTIONS:
 RUSH in BUSINESS DAYS
SAMPLE SAFETY INFORMATION **
 Are there any other known or suspected safety hazards associated with these samples other than those listed below?
 Yes No If Yes, _____

SAMPLED BY: Dienot.
 DATE: 1/22/98
 TIME: _____
 METHOD OF SHIPMENT: Courier
 COOLER NO.(s) _____

G = Grab
 C = Composite
 O = Other

TURBIDITY	SAMPLING		SAMPLE TYPE	MATRIX	#	PRESERVATIVE →	ANALYSES REQUESTED							COMMENTS			
	DATE	TIME					APPENDIX I	VOC's	EDS/DBCP	CL, NO3, NH3	NH3	Metals	Filtered Metals				
							HCL	U	U	S		N	N	PH	SC	T	D.
104.00	1/22/98	7:52	G.	GW.	9	MW-6	3	3	1	1				4.36	750	22°	1.50
14.08	1/22/98	9:10	G.	GW.	9	MW-3	3	3	1	1				4.96	030	20°	7.37
44.90	1/22/98	10:25	G.	GW.	9	MW-7	3	3	1	1				7.38	700	22°	5.46
0.20	1/22/98	12:14	G.	GW.	9	MW-2	3	3	1	1				5.54	020	22°	5.82
0.20	1/22/98	12:20	G.	GW.	9	Dup.	3	3	1	1				5.54	020	22°	5.82
10.86	1/22/98	13:36	G.	GW.	9	MW-1 B	3	3	1	1				4.92	080	24°	3.15
1.64	1/22/98	8:08	G.	DI H2O	9	E. Blank	3	3						6.34	6.5	18"	9.22
	1/22/98	8:08	G.	DI H2O	1	Trip Blank	1										
23.70	1/22/98	14:44	G.	GW.	9	MW-C	3	3	1	1				7.59	220	24°	3.15
					73	Total	25	24	7	7				2	5		

RELINQUISHED BY**: <u>D. Dienotberger</u>	DATE: <u>1-23-98</u>	RECEIVED BY:	DATE:
	TIME: <u>11:15</u>		TIME:
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	TIME:		TIME:
RELINQUISHED BY:	DATE:	RECEIVED FOR LAB BY:	DATE: <u>1/23/98</u>
	TIME:	LAB NAME: <u>Re. North</u>	TIME: <u>11:15</u>

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007			

QC results for Method Blank [54091]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/21/98	1.7	0.91	ug/L
Acrylonitrile	01/21/98	ND	2.4	ug/L
Benzene	01/21/98	ND	0.34	ug/L
Bromochloromethane	01/21/98	ND	0.91	ug/L
Bromodichloromethane	01/21/98	ND	0.80	ug/L
Bromoform	01/21/98	ND	1.5	ug/L
Bromomethane	01/21/98	ND	0.44	ug/L
Carbon disulfide	01/21/98	ND	0.63	ug/L
Carbon tetrachloride	01/21/98	ND	0.35	ug/L
Chlorobenzene	01/21/98	ND	0.54	ug/L
Chloroethane	01/21/98	ND	0.63	ug/L
Chloroform	01/21/98	ND	0.66	ug/L
Chloromethane	01/21/98	ND	0.65	ug/L
Dibromochloromethane	01/21/98	ND	0.86	ug/L
Dibromomethane	01/21/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/21/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/21/98	ND	1.0	ug/L
1,1-Dichloroethane	01/21/98	ND	1.1	ug/L
1,2-Dichloroethane	01/21/98	ND	1.7	ug/L
1,1-Dichloroethene	01/21/98	ND	0.51	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946
888-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54091] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	01/21/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	01/21/98	ND	0.47	ug/L
Methylene chloride	01/21/98	ND	1.2	ug/L
1,2-Dichloropropane	01/21/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/21/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/21/98	ND	0.46	ug/L
Ethylbenzene	01/21/98	ND	0.48	ug/L
2-Hexanone	01/21/98	ND	0.43	ug/L
2-Butanone	01/21/98	ND	0.75	ug/L
Methyl iodide	01/21/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/21/98	ND	0.79	ug/L
Styrene	01/21/98	ND	0.67	ug/L
Tetrachloroethene	01/21/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/21/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/21/98	ND	1.0	ug/L
Toluene	01/21/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/21/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/21/98	ND	0.58	ug/L
Trichloroethene	01/21/98	ND	0.66	ug/L
Trichlorofluoromethane	01/21/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/21/98	ND	1.6	ug/L
Vinyl chloride	01/21/98	ND	0.27	ug/L
o-Xylene	01/21/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/21/98	ND	0.83	ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34948
561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54091] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	01/21/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	01/21/98	ND	0.79	ug/L
Vinyl acetate	01/21/98	ND	1.4	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007			

QC results for Method Blank [54481]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/22/98	1.7	0.91	ug/L
Acrylonitrile	01/22/98	ND	2.4	ug/L
Benzene	01/22/98	ND	0.34	ug/L
Bromochloromethane	01/22/98	ND	0.91	ug/L
Bromodichloromethane	01/22/98	ND	0.80	ug/L
Bromoform	01/22/98	ND	1.5	ug/L
Bromomethane	01/22/98	ND	0.44	ug/L
Carbon disulfide	01/22/98	ND	0.63	ug/L
Carbon tetrachloride	01/22/98	ND	0.35	ug/L
Chlorobenzene	01/22/98	ND	0.54	ug/L
Chloroethane	01/22/98	ND	0.63	ug/L
Chloroform	01/22/98	ND	0.66	ug/L
Chloromethane	01/22/98	ND	0.65	ug/L
Dibromochloromethane	01/22/98	ND	0.86	ug/L
Dibromomethane	01/22/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/22/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/22/98	ND	1.0	ug/L
1,1-Dichloroethane	01/22/98	ND	1.1	ug/L
1,2-Dichloroethane	01/22/98	ND	1.7	ug/L
1,1-Dichloroethene	01/22/98	ND	0.51	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54481] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	01/22/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	01/22/98	ND	0.47	ug/L
Methylene chloride	01/22/98	ND	1.2	ug/L
1,2-Dichloropropane	01/22/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/22/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/22/98	ND	0.46	ug/L
Ethylbenzene	01/22/98	ND	0.48	ug/L
2-Hexanone	01/22/98	ND	0.43	ug/L
2-Butanone	01/22/98	ND	0.75	ug/L
Methyl iodide	01/22/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/22/98	ND	0.79	ug/L
Styrene	01/22/98	ND	0.67	ug/L
Tetrachloroethene	01/22/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/22/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/22/98	ND	1.0	ug/L
Toluene	01/22/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/22/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/22/98	ND	0.58	ug/L
Trichloroethene	01/22/98	ND	0.66	ug/L
Trichlorofluoromethane	01/22/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/22/98	ND	1.6	ug/L
Vinyl chloride	01/22/98	ND	0.27	ug/L
o-Xylene	01/22/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/22/98	ND	0.83	ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54481] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	01/22/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	01/22/98	ND	0.79	ug/L
Vinyl acetate	01/22/98	ND	1.4	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)
Original Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007			

QC results for Method Blank [54937]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/23/98	1.6	0.91	ug/L
Acrylonitrile	01/23/98	ND	2.4	ug/L
Benzene	01/23/98	ND	0.34	ug/L
Bromochloromethane	01/23/98	ND	0.91	ug/L
Bromodichloromethane	01/23/98	ND	0.80	ug/L
Bromoform	01/23/98	ND	1.5	ug/L
Bromomethane	01/23/98	ND	0.44	ug/L
Carbon disulfide	01/23/98	ND	0.63	ug/L
Carbon tetrachloride	01/23/98	ND	0.35	ug/L
Chlorobenzene	01/23/98	ND	0.54	ug/L
Chloroethane	01/23/98	ND	0.63	ug/L
Chloroform	01/23/98	ND	0.66	ug/L
Chloromethane	01/23/98	ND	0.65	ug/L
Dibromochloromethane	01/23/98	ND	0.86	ug/L
Dibromomethane	01/23/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/23/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/23/98	ND	1.0	ug/L
1,1-Dichloroethane	01/23/98	ND	1.1	ug/L
1,2-Dichloroethane	01/23/98	ND	1.7	ug/L
1,1-Dichloroethene	01/23/98	ND	0.51	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)
Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54937] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	01/23/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	01/23/98	ND	0.47	ug/L
Methylene chloride	01/23/98	ND	1.2	ug/L
1,2-Dichloropropane	01/23/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/23/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/23/98	ND	0.46	ug/L
Ethylbenzene	01/23/98	ND	0.48	ug/L
2-Hexanone	01/23/98	ND	0.43	ug/L
2-Butanone	01/23/98	ND	0.75	ug/L
Methyl iodide	01/23/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/23/98	ND	0.79	ug/L
Styrene	01/23/98	ND	0.67	ug/L
Tetrachloroethene	01/23/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/23/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/23/98	ND	1.0	ug/L
Toluene	01/23/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/23/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/23/98	ND	0.58	ug/L
Trichloroethene	01/23/98	ND	0.66	ug/L
Trichlorofluoromethane	01/23/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/23/98	ND	1.6	ug/L
Vinyl chloride	01/23/98	ND	0.27	ug/L
o-Xylene	01/23/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/23/98	ND	0.83	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174

**Client** Citrus County Central Landfill
Workorder Wells - S/A**QC Batch** VOC 1231 (24931)**Original****Matrix** Environmental Water**Analysis Method** SW-846 8260

QC results for Method Blank [54937] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	01/23/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	01/23/98	ND	0.79	ug/L
Vinyl acetate	01/23/98	ND	1.4	ug/L

Southeast Florida
Fort Pierce, FL 34946
FDOH #96230 / E96080Orlando Area
Deltona, FL 32725
FDOH #83486 / E83509Jacksonville Area
Fernandina Beach, FL 32034
FDOH #82500 / E82417Fort Myers Area
Lehigh Acres, FL 33936
FDOH #85512 / E85370West Central Florida
Spring Hill, FL 34607
FDOH #84526 / E84418

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007			

QC results for Method Blank [55262]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	02/02/98	ND	0.91	ug/L
Acrylonitrile	02/02/98	ND	2.4	ug/L
Benzene	02/02/98	ND	0.34	ug/L
Bromochloromethane	02/02/98	ND	0.91	ug/L
Bromodichloromethane	02/02/98	ND	0.80	ug/L
Bromoform	02/02/98	ND	1.5	ug/L
Bromomethane	02/02/98	ND	0.44	ug/L
Carbon disulfide	02/02/98	ND	0.63	ug/L
Carbon tetrachloride	02/02/98	ND	0.35	ug/L
Chlorobenzene	02/02/98	ND	0.54	ug/L
Chloroethane	02/02/98	ND	0.63	ug/L
Chloroform	02/02/98	ND	0.66	ug/L
Chloromethane	02/02/98	ND	0.65	ug/L
Dibromochloromethane	02/02/98	ND	0.86	ug/L
Dibromomethane	02/02/98	ND	1.0	ug/L
1,2-Dichlorobenzene	02/02/98	ND	1.1	ug/L
1,4-Dichlorobenzene	02/02/98	ND	1.0	ug/L
1,1-Dichloroethane	02/02/98	ND	1.1	ug/L
1,2-Dichloroethane	02/02/98	ND	1.7	ug/L
1,1-Dichloroethene	02/02/98	ND	0.51	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
 Workorder Wells - S/A

QC Batch VOC 1231 (24931)
 Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [55262] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	02/02/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	02/02/98	ND	0.47	ug/L
Methylene chloride	02/02/98	ND	1.2	ug/L
1,2-Dichloropropane	02/02/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	02/02/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	02/02/98	ND	0.46	ug/L
Ethylbenzene	02/02/98	ND	0.48	ug/L
2-Hexanone	02/02/98	ND	0.43	ug/L
2-Butanone	02/02/98	ND	0.75	ug/L
Methyl iodide	02/02/98	ND	1.6	ug/L
4-Methyl-2-pentanone	02/02/98	ND	0.79	ug/L
Styrene	02/02/98	ND	0.67	ug/L
Tetrachloroethene	02/02/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	02/02/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	02/02/98	ND	1.0	ug/L
Toluene	02/02/98	ND	0.40	ug/L
1,1,1-Trichloroethane	02/02/98	ND	1.1	ug/L
1,1,2-Trichloroethane	02/02/98	ND	0.58	ug/L
Trichloroethene	02/02/98	ND	0.66	ug/L
Trichlorofluoromethane	02/02/98	ND	0.86	ug/L
1,2,3-Trichloropropane	02/02/98	ND	1.6	ug/L
Vinyl chloride	02/02/98	ND	0.27	ug/L
o-Xylene	02/02/98	ND	1.3	ug/L
m-Xylene and p-Xylene	02/02/98	ND	0.83	ug/L

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

Orlando Area
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 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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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1231 (24931)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [55262] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	02/02/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	02/02/98	ND	0.79	ug/L
Vinyl acetate	02/02/98	ND	1.4	ug/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch IC 1828 (24943)
Original

Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000602001 8000602002 8000602007

QC results for Method Blank [54135]

Run Instrument: Manual Entry Shimadzu

Parameter	Analyzed	Result	RDL	Units
Chloride	01/23/98	ND	2.0	mg/L
Nitrate	01/23/98	ND	0.0030	mg/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch EXTR 2392 (25023)
Original
Matrix Environmental Water

Prep Date 01/26/98 14:09
Analysis Method EDB's

QC results affect the following production samples:

8000602001 8000602002 8000602003

QC results for Method Blank [54313]

Run Instrument: P-E AutoGC Dual ECD[DB5,DB608]

Parameter	Analyzed	Result	RDL	Units
1,2-Dibromoethane	01/26/98	ND	0.0030	ug/L
1,2-Dibromo-3-chloropropane	01/26/98	ND	0.0027	ug/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch IC 1835 (25028)

Original

Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000602004

8000602005

8000602006

8000602008

QC results for Method Blank [54343]

Run Instrument: Manual Entry Shimadzu

Parameter	Analyzed	Result	RDL	Units
Chloride	01/23/98	ND	2.0	mg/L
Nitrate	01/23/98	ND	0.0030	mg/L

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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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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch IC 1835 (25028)
Original 8000602004
Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000602004 8000602005 8000602006 8000602008

QC results for Matrix Spike [54345] - Matrix Spike Duplicate [54346]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Chloride	MS	1.8	300	98	46-149			300mg/L	01/23/98	MAN
	MSD		300	99		1	0-20	300mg/L	01/23/98	MAN
Nitrate	MS	ND	11	112	72-131			10mg/L	01/23/98	MAN
	MSD		11	113		.89	0-20	10mg/L	01/23/98	MAN

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch AUTO 4065 (25245)

Original

Matrix Environmental Water

Analysis Method EPA 350.1

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007	8000602008		

QC results for Method Blank [54387]

Run Instrument: TRAACS 2000 Autoanalyzer

Parameter	Analyzed	Result	RDL	Units
Ammonia	01/26/98	ND	0.0090	mg/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch WCGE 5796 (25307)

Original

Matrix Environmental Water

Analysis Method Residue, Filterable (TDS)

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007			

QC results for Method Blank [54505]

Run Instrument:

Parameter	Analyzed	Result	RDL	Units
Total Dissolved Solids	01/27/98	ND	5.0	mg/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch IC 1837 (25316)

Original

Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000602007

QC results for Method Blank [54539]

Run Instrument: Manual Entry Shimadzu

Parameter	Analyzed	Result	RDL	Units
chloride	01/27/98	ND	2.0	mg/L
Nitrate	01/27/98	ND	0.0030	mg/L

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Fort Myers Area
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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1235 (25337)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000602008

8000602009

QC results for Method Blank [54575]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/28/98	ND	0.91	ug/L
Acrylonitrile	01/28/98	ND	2.4	ug/L
Benzene	01/28/98	ND	0.34	ug/L
Bromochloromethane	01/28/98	ND	0.91	ug/L
Bromodichloromethane	01/28/98	ND	0.80	ug/L
Bromoform	01/28/98	ND	1.5	ug/L
Bromomethane	01/28/98	ND	0.44	ug/L
Carbon disulfide	01/28/98	ND	0.63	ug/L
Carbon tetrachloride	01/28/98	ND	0.35	ug/L
Chlorobenzene	01/28/98	ND	0.54	ug/L
Chloroethane	01/28/98	ND	0.63	ug/L
Chloroform	01/28/98	ND	0.66	ug/L
Chloromethane	01/28/98	ND	0.65	ug/L
Dibromochloromethane	01/28/98	ND	0.86	ug/L
Dibromomethane	01/28/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/28/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/28/98	ND	1.0	ug/L
1,1-Dichloroethane	01/28/98	ND	1.1	ug/L
1,2-Dichloroethane	01/28/98	ND	1.7	ug/L
1,1-Dichloroethene	01/28/98	ND	0.51	ug/L
cis-1,2-Dichloroethene	01/28/98	ND	1.1	ug/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1235 (25337)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54575] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,2-Dichloroethene	01/28/98	ND	0.47	ug/L
Methylene chloride	01/28/98	ND	1.2	ug/L
1,2-Dichloropropane	01/28/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/28/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/28/98	ND	0.46	ug/L
Ethylbenzene	01/28/98	ND	0.48	ug/L
2-Hexanone	01/28/98	ND	0.43	ug/L
2-Butanone	01/28/98	ND	0.75	ug/L
Methyl iodide	01/28/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/28/98	ND	0.79	ug/L
Styrene	01/28/98	ND	0.67	ug/L
Tetrachloroethene	01/28/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/28/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/28/98	ND	1.0	ug/L
Toluene	01/28/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/28/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/28/98	ND	0.58	ug/L
Trichloroethene	01/28/98	ND	0.66	ug/L
Trichlorofluoromethane	01/28/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/28/98	ND	1.6	ug/L
Vinyl chloride	01/28/98	ND	0.27	ug/L
o-Xylene	01/28/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/28/98	ND	0.83	ug/L
Total Xylenes	01/28/98	ND	1.5	ug/L

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Client Citrus County Central Landfill
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QC Batch VOC 1235 (25337)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54575] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,4-Dichloro-2-butene	01/28/98	ND	0.79	ug/L
Vinyl acetate	01/28/98	ND	1.4	ug/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch VOC 1235 (25337)
Original 8000602008
Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000602008 8000602009

QC results for Matrix Spike [54576] - Matrix Spike Duplicate [54577]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Acetone	MS	ND	13	66	24-203			20ug/L	01/28/98	FN2655
	MSD		13	66		0	0-44	20ug/L	01/28/98	FN2655
Acrylonitrile	MS	ND	78	98	60-140			80ug/L	01/28/98	FN2655
	MSD		78	97		1	0-40	80ug/L	01/28/98	FN2655
Benzene	MS	ND	19	96	70-130			20ug/L	01/28/98	FN2655
	MSD		20	98		2.1	0-30	20ug/L	01/28/98	FN2655
Bromochloromethane	MS	ND	22	108	67.5-135.3			20ug/L	01/28/98	FN2655
	MSD		22	108		0	0-30	20ug/L	01/28/98	FN2655
Bromodichloromethane	MS	ND	22	111	64-135			20ug/L	01/28/98	FN2655
	MSD		19	95		16	0-32	20ug/L	01/28/98	FN2655
Bromoform	MS	ND	22	111	66.4-135.9			20ug/L	01/28/98	FN2655
	MSD		20	102		8.5	0-30	20ug/L	01/28/98	FN2655
Bromomethane	MS	ND	21	107	50-150			20ug/L	01/28/98	FN2655
	MSD		21	104		2.8	0-38	20ug/L	01/28/98	FN2655
Carbon disulfide	MS	ND	18	92	46-162			20ug/L	01/28/98	FN2655
	MSD		18	88		4.4	0-37	20ug/L	01/28/98	FN2655
Carbon tetrachloride	MS	ND	20	98	69.6-130.7			20ug/L	01/28/98	FN2655
	MSD		19	93		5.2	0-35	20ug/L	01/28/98	FN2655
Chlorobenzene	MS	ND	21	105	70-130			20ug/L	01/28/98	FN2655
	MSD		20	101		3.9	0-30	20ug/L	01/28/98	FN2655

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Client Citrus County Central Landfill
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QC Batch VOC 1235 (25337)
Original 8000602008
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [54576] - Matrix Spike Duplicate [54577] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Chloroethane	MS	ND	21	104	44.3-152.8			20ug/L	01/28/98	FN2655
	MSD		21	106		1.9	0-32	20ug/L	01/28/98	FN2655
Chloroform	MS	ND	20	102	66.9-132.4			20ug/L	01/28/98	FN2655
	MSD		19	97		5	0-30	20ug/L	01/28/98	FN2655
Chloromethane	MS	ND	21	104	37.6-149.1			20ug/L	01/28/98	FN2655
	MSD		22	110		5.6	0-50	20ug/L	01/28/98	FN2655
Dibromochloromethane	MS	ND	21	107	70-130			20ug/L	01/28/98	FN2655
	MSD		20	101		5.8	0-30	20ug/L	01/28/98	FN2655
Dibromomethane	MS	ND	21	107	70-130			20ug/L	01/28/98	FN2655
	MSD		20	102		4.8	0-37	20ug/L	01/28/98	FN2655
1,2-Dichlorobenzene	MS	ND	21	104	70-130			20ug/L	01/28/98	FN2655
	MSD		20	100		3.9	0-35	20ug/L	01/28/98	FN2655
1,4-Dichlorobenzene	MS	ND	21	104	70-130			20ug/L	01/28/98	FN2655
	MSD		19	94		10	0-30	20ug/L	01/28/98	FN2655
1,1-Dichloroethane	MS	ND	20	98	68.9-133.6			20ug/L	01/28/98	FN2655
	MSD		20	100		2	0-30	20ug/L	01/28/98	FN2655
1,2-Dichloroethane	MS	ND	20	98	70-130			20ug/L	01/28/98	FN2655
	MSD		19	96		2.1	0-38	20ug/L	01/28/98	FN2655
1,1-Dichloroethene	MS	ND	19	94	50.8-137.7			20ug/L	01/28/98	FN2655
	MSD		18	91		3.2	0-37	20ug/L	01/28/98	FN2655
cis-1,2-Dichloroethene	MS	ND	18	91	70-130			20ug/L	01/28/98	FN2655
	MSD		19	95		4.3	0-34	20ug/L	01/28/98	FN2655
trans-1,2-Dichloroethene	MS	ND	18	89	64.6-130.9			20ug/L	01/28/98	FN2655
	MSD		17	83		7	0-35	20ug/L	01/28/98	FN2655

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QC Batch VOC 1235 (25337)
Original 8000602008
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [54576] - Matrix Spike Duplicate [54577] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Methylene chloride	MS	ND	19	96	53-156.8			20ug/L	01/28/98	FN2655
	MSD		20	98		2.1	0-31	20ug/L	01/28/98	FN2655
1,2-Dichloropropane	MS	ND	21	105	70-130			20ug/L	01/28/98	FN2655
	MSD		20	102		2.9	0-31	20ug/L	01/28/98	FN2655
cis-1,3-Dichloropropene	MS	ND	19	94	47-148			20ug/L	01/28/98	FN2655
	MSD		19	93		1.1	0-30	20ug/L	01/28/98	FN2655
trans-1,3-Dichloropropene	MS	ND	21	105	47-149			20ug/L	01/28/98	FN2655
	MSD		19	97		7.9	0-30	20ug/L	01/28/98	FN2655
Ethylbenzene	MS	ND	22	108	70-130			20ug/L	01/28/98	FN2655
	MSD		20	101		6.7	0-30	20ug/L	01/28/98	FN2655
2-Hexanone	MS	ND	21	106	53-146			20ug/L	01/28/98	FN2655
	MSD		21	103		2.9	0-30	20ug/L	01/28/98	FN2655
2-Butanone	MS	ND	16	79	56-156			20ug/L	01/28/98	FN2655
	MSD		14	72		9.3	0-30	20ug/L	01/28/98	FN2655
Methyl iodide	MS	ND	13	65	50-150			20ug/L	01/28/98	FN2655
	MSD		13	67		3	0-40	20ug/L	01/28/98	FN2655
4-Methyl-2-pentanone	MS	ND	24	118	63-141			20ug/L	01/28/98	FN2655
	MSD		23	113		4.3	0-30	20ug/L	01/28/98	FN2655
Styrene	MS	ND	22	109	70-130			20ug/L	01/28/98	FN2655
	MSD		20	102		6.6	0-30	20ug/L	01/28/98	FN2655
Tetrachloroethene	MS	ND	20	100	64.2-125.2			20ug/L	01/28/98	FN2655
	MSD		19	93		7.3	0-30	20ug/L	01/28/98	FN2655
1,1,1,2-Tetrachloroethane	MS	ND	21	104	70-130			20ug/L	01/28/98	FN2655
	MSD		20	98		5.9	0-30	20ug/L	01/28/98	FN2655

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Client Citrus County Central Landfill
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QC Batch VOC 1235 (25337)
Original 8000602008
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Matrix Spike [54576] - Matrix Spike Duplicate [54577] (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	22	108	70-130			20ug/L	01/28/98	FN2655
	MSD		21	106		1.9	0-30	20ug/L	01/28/98	FN2655
Toluene	MS	ND	22	110	70-130			20ug/L	01/28/98	FN2655
	MSD		21	103		6.6	0-30	20ug/L	01/28/98	FN2655
1,1,1-Trichloroethane	MS	ND	19	95	69.5-134.1			20ug/L	01/28/98	FN2655
	MSD		18	88		7.7	0-30	20ug/L	01/28/98	FN2655
1,1,2-Trichloroethane	MS	ND	22	109	70-130			20ug/L	01/28/98	FN2655
	MSD		20	101		7.6	0-37	20ug/L	01/28/98	FN2655
Trichloroethene	MS	ND	21	103	70-130			20ug/L	01/28/98	FN2655
	MSD		20	100		3	0-33	20ug/L	01/28/98	FN2655
Trichlorofluoromethane	MS	ND	18	90	59.2-131.5			20ug/L	01/28/98	FN2655
	MSD		18	89		1.1	0-30	20ug/L	01/28/98	FN2655
1,2,3-Trichloropropane	MS	ND	23	114	70-130			20ug/L	01/28/98	FN2655
	MSD		22	110		3.6	0-30	20ug/L	01/28/98	FN2655
Vinyl chloride	MS	ND	19	94	43.4-148.5			20ug/L	01/28/98	FN2655
	MSD		19	95		1.1	0-31	20ug/L	01/28/98	FN2655
o-Xylene	MS	ND	22	112	70-130			20ug/L	01/28/98	FN2655
	MSD		20	101		10	0-30	20ug/L	01/28/98	FN2655
m-Xylene and p-Xylene	MS	ND	43	108	70-130			40ug/L	01/28/98	FN2655
	MSD		42	104		3.8	0-30	40ug/L	01/28/98	FN2655
Vinyl acetate	MS	ND	20	99	50-150			20ug/L	01/28/98	FN2655
	MSD		20	101		2	0-40	20ug/L	01/28/98	FN2655

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch WCGE 5805 (25442)
Original Matrix Environmental Water

Analysis Method Residue, Filterable (TDS)

QC results affect the following production samples:

8000602008

QC results for Method Blank [54603]

Run Instrument:

Parameter	Analyzed	Result	RDL	Units
Total Dissolved Solids	01/28/98	ND	5.0	mg/L

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FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch MDIG 2030 (25455)
Original
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 01/28/98 16:41
Analysis Method SW-846 6010

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007	8000602008		

QC results for Method Blank [54636]

Run Instrument: ThermoJarrellAsh 61E Trace ICP

Parameter	Analyzed	Result	RDL	Units
Antimony	01/28/98	ND	0.0040	mg/L
Arsenic	01/28/98	ND	0.0032	mg/L
Barium	01/28/98	ND	0.0018	mg/L
Beryllium	01/28/98	ND	0.0010	mg/L
Cadmium	01/28/98	ND	0.00070	mg/L
Chromium	01/28/98	ND	0.0018	mg/L
Cobalt	01/28/98	ND	0.0010	mg/L
Copper	01/28/98	ND	0.0014	mg/L
Iron	01/28/98	ND	0.025	mg/L
Lead	01/28/98	ND	0.0030	mg/L
Nickel	01/28/98	ND	0.0020	mg/L
Selenium	01/28/98	ND	0.0021	mg/L
Silver	01/28/98	ND	0.0010	mg/L
Sodium	01/28/98	ND	0.50	mg/L
Vanadium	01/28/98	ND	0.00040	mg/L
Zinc	01/28/98	ND	0.050	mg/L

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FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch EXTR 2406 (25740)

Original

Matrix Environmental Water

Prep Date 02/03/98 11:23

Analysis Method EDB's

QC results affect the following production samples:

8000602004

8000602005

8000602006

8000602007

8000602008

QC results for Method Blank [55079]

Run Instrument: P-E AutoGC Dual ECD[DB5,DB608]

Parameter	Analyzed	Result	RDL	Units
1,2-Dibromoethane	02/03/98	ND	0.0030	ug/L
1,2-Dibromo-3-chloropropane	02/03/98	ND	0.0027	ug/L

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 Citrus County Central Landfill
Workorder Wells - S/A

QC Batch EXTR 2406 (25740)
Original 8000602004
Matrix Environmental Water

Prep Date 02/03/98 11:23
Analysis Method EDB's

QC results affect the following production samples:

8000602004 8000602005 8000602006 8000602007 8000602008

QC results for Matrix Spike [55081] - Matrix Spike Duplicate [55082]

Parameter		Original		Pct Recov	MS/MSD Limits	RPD Limits	Spiked Amount	Analyzed	Instru ID
		Result	QC Result						
1,2-Dibromoethane	MS	ND	0.098	109	60-140		.091ug/L	02/03/98	AutoA_
	MSD		0.1	111		1.8	0-20 .091ug/L	02/03/98	AutoA_
1,2-Dibromo-3-chloropropane	MS	ND	0.1	116	60-140		.091ug/L	02/03/98	AutoA_
	MSD		0.1	115		.87	0-20 .091ug/L	02/03/98	AutoA_

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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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch MDIG 2037 (25864)
Original Matrix Environmental Water

Prep Date 02/03/98 09:23
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007	8000602008		

QC results for Method Blank [55162]

Run Instrument: Perkin Elmer 4100 ZL

Parameter	Analyzed	Result	RDL	Units
Thallium	02/03/98	ND	0.0010	mg/L

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch MDIG 2040 (26052)
Original Matrix Environmental Water

Prep Date 02/04/98 16:41
Analysis Method Mercury-Cold Vapor-Water

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007	8000602008		

QC results for Method Blank [55354]

Run Instrument: Perkin Elmer 3100

Parameter	Analyzed	Result	RDL	Units
Mercury	02/04/98	ND	0.060	ppb

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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch METV 1025 (26055)
Original 8000602001
Matrix Environmental Water

Prep Date 02/04/98 16:53
Analysis Method SW-846 7470

QC results affect the following production samples:

8000602001	8000602002	8000602003	8000602004	8000602005
8000602006	8000602007	8000602008		

QC results for Matrix Spike [55360] - Matrix Spike Duplicate [55361]

Parameter	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Mercury	MS1	ND	0.001	52	51-142		.002mg/L	02/04/98	PEFIAS
	MSD1		0.0012	58		11	0-20 .002mg/L	02/04/98	PEFIAS

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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Client Citrus County Central Landfill
Workorder Wells - S/A

QC Batch IC 1864 (26588)

Original

Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000602003

QC results for Method Blank [56371]

Run Instrument: Manual Entry Shimadzu

Parameter	Analyzed	Result	RDL	Units
Chloride	02/12/98	ND	2.0	mg/L
Nitrate	02/12/98	ND	0.0030	mg/L

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 Citrus County Central Landfill
Workorder Wells - S/A

QC Batch IC 1864 (26588)
Original 8000602003
Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000602003

QC results for Matrix Spike [56373] - Matrix Spike Duplicate [56374]

Parameter		Original	QC Result	Pct	MS/MSD	RPD	Spiked	Analyzed	Instru ID
		Result		Recov	Limits	RPD	Limits		
Chloride	MS	8.2	280	90	46-149		300mg/L	02/12/98	MAN
	MSD		280	90		0	0-20 300mg/L	02/12/98	MAN
Nitrate	MS	0.26	11	108	72-131		10mg/L	02/12/98	MAN
	MSD		11	108		0	0-20 10mg/L	02/12/98	MAN

End of Report

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

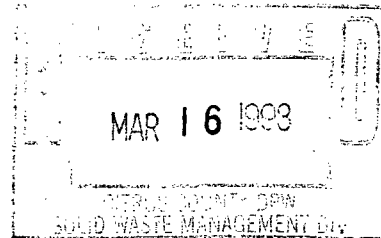
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3-4-98 JDO



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**ANALYTICAL REPORT FOR:
CITRUS COUNTY CENTRAL LANDFILL
SEMI ANNUAL MONITORING WELLS
GMS # 4009C00086**

**PRESENTED TO:
CATHY WINTER**

**ANALYSIS BY:
HARBOR BRANCH ENVIRONMENTAL LABORATORY
CompQAP #870174G
HRS #E96080/96230**

**PROJECT MANAGER:
DON HASH**

**LABORATORY DIRECTOR:
N. MYRON GUNSALUS, JR.**

MARCH 3, 1998

RECEIVED

JUN 25 1998

Solid Waste Section

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3-4-98 JDO



SUMMARY OF EXCEEDENCES

Referencing

Florida Ground Water Guidance Concentrations, June 1994

for

**Harbor Branch Environmental Laboratory
HPN #: 8000480**

1,1,2,2 – Tetrachloroethane RL, 2, is above the GCL of 0.2 ug/L.

Bromodichloromethane RL, 1, is above the GCL of 0.6 ug/L.

MW 8R: Benzene and Vinyl Chloride exceed GCLs.

MW E: Iron and Vinyl Chloride exceed GCLs.

MW AA: Iron and Vinyl Chloride exceed GCLs.

MW 9: Iron and Vinyl Chloride exceed GCLs.

3-4-18 JCO



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 and accuracy limits.
- **Sample Duplicate:** Analysis data demonstrated acceptable reproducibility of laboratory processes.

Water Elevation (to TOC) for MW-4 = 112.75' and MW-5 = 111.44'.

Water Temperature, Dissolved Oxygen, Turbidity, pH, and Specific Conductance measurements were made in the field at the time of sampling.

As a result of suspected matrix interference, the matrix spike and matrix spike duplicate analyses associated with samples 8000480001 – 8000480006 produced results for the EPA 8260 analysis of Vinyl Acetate that fell outside of established precision and accuracy limits. Accuracy was demonstrated with the analysis of the laboratory control sample. All other quality control criteria were met.

Acetone was detected in the method blank associated with the EPA 8260 analysis of samples 8000480001 – 8000480006 at a level slightly above the Method Detection Limit. This analyte was not detected in any of the samples.


Eric Charest
Quality Assurance Manager

HARBOR BRANCH ENVIRONMENTAL LABORATORY

REVISED
3-1-98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : TBA

Well Name: MW - 8R

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 128.00 ft.
or (MSL):

HBEL Sample ID: 8000480001

Sampling Date/Time: 01/20/98 9:48

Report Period: SA July 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other DETECTION

B
7664

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000081	Color & Sheens	G	N	--	02/23/98 9:00	Clear --	--
000094	Specific Conductance	G	N	EPA 120.1	01/20/98 9:48	180 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/20/98 9:48	6.1 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/23/98 16:30	99 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/20/98 9:48	21 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/20/98 9:48	1.3 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/21/98 13:56	8.6 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/21/98 13:56	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/22/98 9:49	1.2 mg/L	0.10 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/20/98 9:48	2.1 mg/L	0.50 mg/L
--	Water Level Elevation (to TOC)	G	N	Observation	01/20/98 9:48	110.67 ft.	--
001097	Antimony	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/23/98 9:49	14 ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 18:46	270 ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/23/98 9:49	5.6 ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	1.0 ug/L

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3-4-98 JDO



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : TBA

HBEL Sample ID: 8000480001
Sampling Date/Time: 01/20/98 9:48
Report Period: SA July 1997 - Jan. 1998

Well Name: MW - 8R

Classification of Ground Water: GW-II
Ground Water Elevation (NGVD) : 128.00 ft.
or (MSL):

Well Purged (Y/N) : Y
Well Type: Background
 Intermediate
 Compliance
 Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	N	SW-846 6010	01/23/98 9:49	19000 ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/23/98 9:49	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	01/25/98 10:07	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	01/22/98 7:46	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/23/98 7:53	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/23/98 7:53	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/22/98 18:22	12 ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/22/98 18:22	4.1 ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

13-4-98



PART III ANALYTICAL RESULTS

Facility GMS#: 4009C00086
 Test Site ID#: TBA

HBEL Sample ID: 8000480001
 Sampling Date/Time: 01/20/98 9:48
 Report Period: SA July 1997 - Jan. 1998

Well Name: MW - 8R
 Classification of Ground Water: GW -II
 Ground Water Elevation (NGVD): 128.00 ft.
 or (MSL):

Well Purged (Y/N): Y
 Well Type: Background
 Intermediate
 Compliance
 Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/22/98 18:22	6.9 ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 18:22	12 ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/22/98 18:22	7.8 ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

3-4-98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : TBA

Well Name: MW - 8R

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : 128.00 ft.

or (MSL):

HBEL Sample ID: 8000480001

Sampling Date/Time: 01/20/98 9:48

Report Period: SA July 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other DETECTION

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/22/98 18:22	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/22/98 18:22	4.2 ug/L	1.0 ug/L

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01/18/98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17478

Well Name: MW - E

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : 115.00 ft.

or (MSL):

HBEL Sample ID: 8000480002

Sampling Date/Time: 01/20/98 10:58

Report Period: SA July 1997 - Jan. 1998

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
000081	Color & Sheens	G	N	--	02/23/98 9:00	Light Orange --	--
000094	Specific Conductance	G	N	EPA 120.1	01/20/98 10:58	670 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/20/98 10:58	7.2 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/23/98 16:30	380 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/20/98 10:58	21 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/20/98 10:58	0.66 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/21/98 14:12	4.1 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/21/98 14:12	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/22/98 9:49	0.12 mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/20/98 10:58	1.6 mg/L	0.50 mg/L
--	Water Level Elevation (to TOC)	G	N	Observation	01/20/98 10:58	102.00 ft.	--
001097	Antimony	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/23/98 9:54	11 ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/23/98 9:54	87 ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 19:03	12000 ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/23/98 9:54	8.4 ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	1.0 ug/L

3-4-98/100



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17478

HBEL Sample ID: 8000480002

Sampling Date/Time: 01/20/98 10:58

Report Period: SA July 1997 - Jan. 1998

Well Name: MW - E

Well Purged (Y/N) : Y

Classification of Ground Water: GW -II

Well Type: Background

Ground Water Elevation (NGVD) : 115.00 ft.

Intermediate

or (MSL):

Compliance

Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	N	SW-846 6010	01/23/98 9:54	3300 ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/23/98 9:54	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	01/25/98 10:10	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	01/22/98 7:46	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/23/98 8:24	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/23/98 8:24	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/22/98 19:06	4.1 ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

3-4-98 80



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : 4009A17478

HBEL Sample ID: 8000480002
 Sampling Date/Time: 01/20/98 10:58
 Report Period: SA July 1997 - Jan. 1998
 Well Purged (Y/N) : Y

Well Name: MW - E
 Classification of Ground Water: GW -II
 Ground Water Elevation (NGVD) : 115.00 ft.
 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
077297	Bromochloromethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

3-4-98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17478

Well Name: MW - E

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 115.00 ft.

or (MSL):

HBEL Sample ID: 8000480002

Sampling Date/Time: 01/20/98 10:58

Report Period: SA July 1997 - Jan. 1998

Well Purged (Y/N) : Y

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

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/22/98 19:06	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/22/98 19:06	2.1 ug/L	1.0 ug/L

REVISED
2-15-98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : 4009A17271

HBEL Sample ID: 8000480003
 Sampling Date/Time: 01/20/98 12:08
 Report Period: SA July 1997 - Jan. 1998

Well Name: MW - AA

Well Purged (Y/N) : Y

Classification of Ground Water: GW -II

Well Type: Background
 Intermediate
 Compliance
 Other DETECTION

Ground Water Elevation (NGVD) : 113.00 ft.
 or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000081	Color & Sheens	G	N	--	02/23/98 9:00	Orange --	--
000094	Specific Conductance	G	N	EPA 120.1	01/20/98 12:08	760 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/20/98 12:08	7.0 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/23/98 16:30	430 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/20/98 12:08	22 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/20/98 12:08	4.5 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/21/98 14:29	3.2 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/21/98 14:29	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/22/98 9:49	0.50 mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/20/98 12:08	1.8 mg/L	0.50 mg/L
--	Water Level Elevation (to TOC)	G	N	Observation	01/20/98 12:08	98.690 ft.	--
001097	Antimony	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/23/98 10:00	36 ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/23/98 10:00	2.2 ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/23/98 10:00	22 ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 19:09	14000 ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/23/98 10:00	18 ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	1.0 ug/L

REVISED
3-4-98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17271

HBEL Sample ID: 8000480003

Sampling Date/Time: 01/20/98 12:08

Report Period: SA July 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Name: MW - AA

Classification of Ground Water: GW -II

Ground Water Elevation (NGVD) : 113.00 ft.

or (MSL):

Well Type: Background

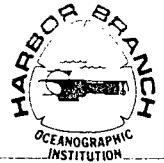
Intermediate

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	N	SW-846 6010	01/23/98 10:00	5500 ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/23/98 10:00	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	01/25/98 10:12	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	01/22/98 7:46	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/23/98 8:55	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/23/98 8:55	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/22/98 19:49	8.7 ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L

REVISED
3-4-98 JLD



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : 4009A17271

HBEL Sample ID: 8000480003

Sampling Date/Time: 01/20/98 12:08

Report Period: SA July 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Name: MW - AA

Well Type: Background

Classification of Ground Water: GW-II

Intermediate

Ground Water Elevation (NGVD) : 113.00 ft.
or (MSL):

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/22/98 19:49	1.3 ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 19:49	3.2 ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

REVISED
3-4-98 JDD



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : 4009A17271

HBEL Sample ID: 8000480003

Sampling Date/Time: 01/20/98 12:08

Report Period: SA July 1997 - Jan. 1998

Well Purged (Y/N) : Y

Well Name: MW - AA

Well Type: Background

Classification of Ground Water: GW -II

Intermediate

Ground Water Elevation (NGVD) : 113.00 ft.

Compliance

or (MSL):

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/22/98 19:49	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/22/98 19:49	3.1 ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

REVISED



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : TBA

7665

HBEL Sample ID: 8000480004
 Sampling Date/Time: 01/20/98 13:15
 Report Period: SA July 1997 - Jan. 1998
 Well Purged (Y/N) : Y

Well Name: MW - 9
 Classification of Ground Water: GW-II
 Ground Water Elevation (NGVD) : 121.00 ft.
 or (MSL):

Well Type: Background
 Intermediate
 Compliance
 Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000081	Color & Sheens	G	N	-	02/23/98 9:00	Clear -	-
000094	Specific Conductance	G	N	EPA 120.1	01/20/98 13:15	800 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/20/98 13:15	7.0 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/23/98 16:30	450 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/20/98 13:15	24 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/20/98 13:15	3.1 NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/21/98 14:46	15 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/21/98 14:46	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/22/98 9:49	2.3 mg/L	0.25 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/20/98 13:15	1.1 mg/L	0.50 mg/L
--	Water Level Elevation (to TOC)	G	N	Observation	01/20/98 13:15	106.00 ft.	--
001097	Antimony	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/23/98 10:06	11 ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/23/98 10:06	120 ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/23/98 10:06	97 ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 19:15	10000 ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/23/98 10:06	16 ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	1.0 ug/L

REVISED
3-4-98 JPD



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : TBA

HBEL Sample ID: 8000480004
Sampling Date/Time: 01/20/98 13:15
Report Period: SA July 1997 - Jan. 1998
Well Purged (Y/N) : Y

Well Name: MW - 9
Classification of Ground Water: GW-II
Ground Water Elevation (NGVD) : 121.00 ft.
or (MSL):

Well Type: Background
 Intermediate
 Compliance
 Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	N	SW-846 6010	01/23/98 10:06	12000 ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/23/98 10:06	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	01/25/98 10:13	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	01/22/98 7:46	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/23/98 9:26	ND ug/L	0.018 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/23/98 9:26	ND ug/L	0.018 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/22/98 20:33	6.0 ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

0498 JPO



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : TBA

HBEL Sample ID: 8000480004

Sampling Date/Time: 01/20/98 13:15

Report Period: SA July 1997 - Jan. 1998

Well Name: MW - 9

Well Purged (Y/N) : Y

Classification of Ground Water: GW-II

Ground Water Elevation (NGVD) : 121.00 ft.

or (MSL):

Well Type: Background

Intermediate

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/22/98 20:33	2.3 ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L

REVISED
3-4-98
JPO



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : TBA

HBEL Sample ID: 8000480004
 Sampling Date/Time: 01/20/98 13:15
 Report Period: SA July 1997 - Jan. 1998
 Well Purged (Y/N) : Y

Well Name: MW - 9
 Classification of Ground Water: GW -II
 Ground Water Elevation (NGVD) : 121.00 ft.
 or (MSL):

Well Type: Background
 Intermediate
 Compliance
 Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/22/98 20:33	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/22/98 20:33	2.6 ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

3-1-98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : N/A

HBEL Sample ID: 8000480005

Sampling Date/Time: 01/20/98 10:34

Report Period: SA July 1997 - Jan. 1998

Well Name: Equipment Blank

Well Purged (Y/N) :

Classification of Ground Water:

- Well Type: Background
 Intermediate
 Compliance
 Other

Ground Water Elevation (NGVD) : 160.00 ft.
 or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
070304	Total Dissolved Solids	G	N	EPA 160.1	01/23/98 16:30	ND mg/L	10 mg/L
000940	Chloride	G	N	EPA 300.0	01/21/98 15:02	ND mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/21/98 15:02	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/22/98 9:49	ND mg/L	0.050 mg/L
001097	Antimony	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/28/98 19:21	ND mg/L	0.0020 mg/L
001045	Iron	G	N	SW-846 6010	01/28/98 19:21	ND ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	1.0 ug/L
000929	Sodium	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/23/98 10:24	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	01/25/98 10:14	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	01/22/98 7:46	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/23/98 9:57	ND ug/L	0.018 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/23/98 9:57	ND ug/L	0.018 ug/L

3-4-98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : N/A

HBEL Sample ID: 8000480005
 Sampling Date/Time: 01/20/98 10:34
 Report Period: SA July 1997 - Jan. 1998
 Well Purged (Y/N) :

Well Name: Equipment Blank
 Classification of Ground Water:
 Ground Water Elevation (NGVD) : 160.00 ft.
 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
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L

REVISED
3-4-98 JPO



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : N/A

HBEL Sample ID: 8000480005
 Sampling Date/Time: 01/20/98 10:34
 Report Period: SA July 1997 - Jan. 1998

Well Name: Equipment Blank

Well Purged (Y/N) :

Classification of Ground Water:

Ground Water Elevation (NGVD) : 160.00 ft.
 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
034311	Chloroethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
039180	Trichloroethene	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/22/98 21:18	ND ug/L	1.0 ug/L

3498 JED



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : N/A

HBEL Sample ID: 8000480006
 Sampling Date/Time: 01/20/98 10:34
 Report Period: SA July 1997 - Jan. 1998

Well Name: Trip Blank

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : 128.00 ft.
 or (MSL): _____

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
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

REVISED
3/4/98



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : N/A

HBEL Sample ID: 8000480006

Sampling Date/Time: 01/20/98 10:34

Report Period: SA July 1997 - Jan. 1998

Well Purged (Y/N) :

Well Name: Trip Blank

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : 128.00 ft.
 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
034311	Chloroethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
039180	Trichloroethene	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/22/98 22:02	ND ug/L	1.0 ug/L

Field Data Sheet

Sampler(s) Dienot Date 1/20/98 Sample Time _____ Field ID# 1
Project Name Citrus Co. Central Landfill

Sample Type (circle one): WW SW GW DW ReagWtr. Sludge Sediment Soil Other
Sample Site Identification MW-8R, E, AA(A), 9

Sampling Method: Grab Composite Monitoring Well: Bailer Pump

Sampling Equipment: _____
Site and Weather Conditions cool, breezy (NE @ 5-10), damp, 60's

Field Instrument Beginning Calibration

pH meter Yes No Buffer 4.0 _____ 7.0 6.63 10.0 9.69 Slope =
Conductivity meter Yes No Buffer 147 _____ 1414 1448-1413 12900 _____
Turbidity meter Yes No Buffer 0.5 _____ 5.0 _____ 20 _____ 106.8
DO meter Yes No Temp C° _____ Adjust _____ from _____
Field Filtered: Yes No Duplicate: Yes No Field Decontamination: Yes No

Parameter	Sample Containers	pH Check
<input checked="" type="checkbox"/> Nutrient	Plastic - H ₂ SO ₄	<2 <input checked="" type="checkbox"/>
<input checked="" type="checkbox"/> Metals	Plastic - HNO ₃	<2 <input checked="" type="checkbox"/>
Sulfide	Plastic - NaOH / Zn Acetate	>12
Cyanide	Plastic - NaOH / (NO Sulfide) / Ascorbic Acid	>12
Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res.)	
Oil and Grease	Glass - HCl	<2
TRPH	Glass - HCl	<2
<input checked="" type="checkbox"/> VOA	Glass - HCl	<2 <input checked="" type="checkbox"/>
SVOC	Glass - (DRW NO Chlorine Res.)	
<u>Other Phenols</u>	Glass - H ₂ PO ₄	<2
Other		

Well Diameter	Multiplier
1.5 inches	0.092
2.0 inches	0.163
4.0 inches	0.653
6.0 inches	1.469

Field Instrument Ending Calibration

pH meter Yes No Buffer 4.0 _____ 7.0 7.04 10.0 10.13 Slope =
Conductivity meter Yes No Buffer 147 _____ 1414 1383-1413 12900 _____
Turbidity meter Yes No Buffer 0.5 _____ 5.0 _____ 20 _____ 104.5
DO meter Yes No Temp C° _____ Adjust _____ from _____

General Site Information/Comments _____

ANALYTICAL FIELD DATA

Project Name Citrus Co.
Date 1/20/98 Central Landfill

Page 1 of 2

LOCATION	Time	pH	Specific Conductivity	Temperature	D.O.	Turbidity	Residual Chlorine	Comments
MW-8R	9:05	6.66	290	19.9°	1.67	4.93		
MW-8R	9:20	6.07	210	20.1°	2.52	2.01		
MW-8R	9:40	6.14	180	21.1°	2.11	1.32		
Sample time	9:48							
MW-E	10:34	7.48	640	19.1°	1.94	1.05		
MW-E	10:44	7.28	670	22.1°	1.59	0.93		
MW-E	10:53	7.21	670	20.7°	1.57	0.66		
Sample time	10:58							
MW-AA(A)	11:36	7.18	590	21.6°	2.36	6.22		
MW-AA(A)	11:48	6.91	750	21.7°	1.88	4.83		
MW-AA(A)	12:00	7.00	760	22.2°	1.81	4.51		
Sample time	12:08							
E. Blank	10:34	6.57	1.9	9.6°	10.96	0		

Trip Blank 10:34

Field Data Sheet

Sampler (s) Dienst Date 1/21/98 Sample Time _____ Field ID# 1
Project Name Citrus Co. Central Landfill

Sample Type (circle one): WW SW GW DW ReagWtr. Sludge Sediment Soil Other
Sample Site Identification _____

Sampling Method: Grab Composite Monitoring Well: Bailer Pump

Sampling Equipment: _____
Site and Weather Conditions Sunny, cool (50's-70's), dry, calm to SSE. @ 10-15

Field Instrument Beginning Calibration

pH meter Yes No Buffer 4.0 _____ 7.0 6.72 10.0 9.71 Slope =
Conductivity meter Yes No Buffer 147 _____ 1414 1358-1413 12900 _____
Turbidity meter Yes No Buffer 0.5 _____ 5.0 _____ 20 _____ 104.2
DO meter Yes No Temp C° _____ Adjust _____ from _____

Field Filtered: Yes No Duplicate: Yes No Field Decontamination: Yes No

Parameter	Sample Containers	pH Check
Nutrient	Plastic - H ₂ SO ₄	<2
Metals	Plastic - HNO ₃	<2
Sulfide	Plastic - NaOH / Zn Acetate	>12
Cyanide	Plastic - NaOH / (NO Sulfide) / Ascorbic Acid	>12
Bacteriological	Glass - Thiosulfate (DW NO Chlorine Res.)	
Oil and Grease	Glass - HCl	<2
TRPH	Glass - HCl	<2
VOA	Glass - HCl	<2
SVOC	Glass - (DRW NO Chlorine Res.)	
Other Phenols	Glass - H ₂ PO ₄	<2
Other		

Well Diameter	Multiplier
1.5 inches	0.092
2.0 inches	0.163
4.0 inches	0.653
6.0 inches	1.469

Field Instrument Ending Calibration

pH meter Yes No Buffer 4.0 _____ 7.0 7.02 10.0 10.08 Slope =
Conductivity meter Yes No Buffer 147 _____ 1414 1357-1413 12900 _____
Turbidity meter Yes No Buffer 0.5 _____ 5.0 _____ 20 _____
DO meter Yes No Temp C° _____ Adjust _____ from _____ 97.9

General Site Information/Comments _____

CHAIN OF CUSTODY RECORD
The ENVIRONMENTAL LABORATORY at Harbor Branch

5600 U. S. 1 North, Ft. Pierce, FL 34946, 407-465-2400 ext. 285

COMPANY: Citrus Co.
 ADDRESS: Central Landfill
 PHONE: _____
 FAX: _____
 CLIENT CONTACT: S. Metcalfe
 PURCHASE ORDER #: _____

DATE NEEDED: Normal TAT
 CLIENT PROJECT: _____
 PROJECT NAME / #: Wells - S/A.
 HBOI W/O & HPN: 8000480

SPECIAL INSTRUCTIONS:
 RUSH in BUSINESS DAYS
SAMPLE SAFETY INFORMATION **:
 Are there any other known or suspected safety hazards associated with these samples other than those listed below?
 Yes No If Yes, _____

SAMPLED BY: Dienst.
 DATE: 1/20/98
 TIME: _____
 METHOD OF SHIPMENT: Courier
 COOLER NO.(s) _____

TURBIDITY FIELD ID	SAMPLING		SAMPLE TYPE	MATRIX	#	PRESERVATIVE → SAMPLE LOCATION ↓	ANALYSES REQUESTED					COMMENTS
	DATE	TIME					HCL	U	N	S	U	
1.32	1/20/98	9:48	G.	GW	9	MW-8R	3	1	1	1	3	6.14 180 21° 2.11
0.66		10:58			9	MW-E	3	1	1	1	3	7.21 670 21° 1.57
4.51		12:08			9	MW-AA(A)	3	1	1	1	3	7.00 760 22° 1.81
3.08		13:15			9	MW-9	3	1	1	1	3	7.00 800 24° 1.10
0		10:34		D ₁ H ₂ O	9	E-Blank	3	1	1	1	3	
		10:34		D ₂ H ₂ O	1	Trip Blank	1					
					46	Total	16	5	5	5	15	

RELINQUISHED BY**: <u>D. Dienstberger</u>	DATE: <u>1/20/98</u> TIME: <u>16:00</u>	RECEIVED BY: <u>[Signature]</u>	DATE: <u>1/21/98</u> TIME: <u>0830</u>
RELINQUISHED BY: <u>[Signature]</u>	DATE: <u>1/20/98</u> TIME: <u>0930</u>	RECEIVED BY:	DATE: TIME:
RELINQUISHED BY:	DATE: TIME:	RECEIVED FOR LAB BY: <u>[Signature]</u>	DATE: <u>1/21/98</u> TIME: <u>0930</u>

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch IC 1826 (24864)

Original

Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

QC results for Method Blank [53932]

Run Instrument: Manual Entry Shimadzu

Parameter	Analyzed	Result	RDL	Units
Chloride	01/21/98	ND	2.0	mg/L
Nitrate	01/21/98	ND	0.0030	mg/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch AUTO 4046 (24915)

Original

Matrix Environmental Water

Analysis Method EPA 350.1

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

QC results for Method Blank [54038]

Run Instrument: TRAACS 2000 Autoanalyzer

Parameter	Analyzed	Result	RDL	Units
Ammonia	01/22/98	ND	0.0090	mg/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch AUTO 4046 (24915)
Original 8000480002
Matrix Environmental Water

Analysis Method EPA 350.1

QC results affect the following production samples:

8000480002 8000480003 8000480004 8000480005

QC results for Matrix Spike [54039] - Matrix Spike Duplicate [54040]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Ammonia	MS	0.12	0.41	115	69-126			.25mg/L	01/22/98	TRAACS
	MSD		0.41	113		1.8	0-20	.25mg/L	01/22/98	TRAACS

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 265

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch MDIG 2022 (24919)
Original Matrix Environmental Water

Prep Date 01/22/98 15:35
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

8000480002 8000480003 8000480004 8000480005

QC results for Method Blank [54053]

Run Instrument: Perkin Elmer 4100 ZL

Parameter	Analyzed	Result	RDL	Units
Thallium	01/22/98	ND	0.0010	mg/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch MDIG 2023 (24920)
Original Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 01/22/98 08:34
Analysis Method SW-846 6010

QC results affect the following production samples:

8000480002 8000480003 8000480004 8000480005

QC results for Method Blank [54057]

Run Instrument: ThermoJarrellAsh 61E Trace ICP

Parameter	Analyzed	Result	RDL	Units
Antimony	01/23/98	0.0040 U	0.0040	mg/L
Arsenic	01/23/98	0.0032 U	0.0032	mg/L
Barium	01/23/98	0.0018 U	0.0018	mg/L
Beryllium	01/23/98	0.0010 U	0.0010	mg/L
Cadmium	01/23/98	0.00070 U	0.00070	mg/L
Chromium	01/23/98	0.0018 U	0.0018	mg/L
Cobalt	01/23/98	0.0010 U	0.0010	mg/L
Copper	01/23/98	0.0014 U	0.0014	mg/L
Lead	01/23/98	0.0030 U	0.0030	mg/L
Nickel	01/23/98	0.0020 U	0.0020	mg/L
Selenium	01/23/98	0.0021 U	0.0021	mg/L
Silver	01/23/98	0.0010 U	0.0010	mg/L
Sodium	01/23/98	0.50 U	0.50	mg/L
Vanadium	01/23/98	0.00040 U	0.00040	mg/L
Zinc	01/23/98	0.050 U	0.050	mg/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch EXTR 2385 (24927)

Original

Matrix Environmental Water

Prep Date 01/22/98 15:14

Analysis Method EDB's

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

QC results for Method Blank [54078]

Run Instrument: P-E AutoGC Dual ECD[DB5,DB608]

Parameter	Analyzed	Result	RDL	Units
1,2-Dibromoethane	01/23/98	ND	0.0030	ug/L
1,2-Dibromo-3-chloropropane	01/23/98	ND	0.0027	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

8000480006

QC results for Method Blank [54091]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/21/98	1.7	0.91	ug/L
Acrylonitrile	01/21/98	ND	2.4	ug/L
Benzene	01/21/98	ND	0.34	ug/L
Bromochloromethane	01/21/98	ND	0.91	ug/L
Bromodichloromethane	01/21/98	ND	0.80	ug/L
Bromoform	01/21/98	ND	1.5	ug/L
Bromomethane	01/21/98	ND	0.44	ug/L
Carbon disulfide	01/21/98	ND	0.63	ug/L
Carbon tetrachloride	01/21/98	ND	0.35	ug/L
Chlorobenzene	01/21/98	ND	0.54	ug/L
Chloroethane	01/21/98	ND	0.63	ug/L
Chloroform	01/21/98	ND	0.66	ug/L
Chloromethane	01/21/98	ND	0.65	ug/L
Dibromochloromethane	01/21/98	ND	0.86	ug/L
Dibromomethane	01/21/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/21/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/21/98	ND	1.0	ug/L
1,1-Dichloroethane	01/21/98	ND	1.1	ug/L
1,2-Dichloroethane	01/21/98	ND	1.7	ug/L
1,1-Dichloroethene	01/21/98	ND	0.51	ug/L

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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561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54091] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	01/21/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	01/21/98	ND	0.47	ug/L
Methylene chloride	01/21/98	ND	1.2	ug/L
1,2-Dichloropropane	01/21/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/21/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/21/98	ND	0.46	ug/L
Ethylbenzene	01/21/98	ND	0.48	ug/L
2-Hexanone	01/21/98	ND	0.43	ug/L
2-Butanone	01/21/98	ND	0.75	ug/L
Methyl iodide	01/21/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/21/98	ND	0.79	ug/L
Styrene	01/21/98	ND	0.67	ug/L
Tetrachloroethene	01/21/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/21/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/21/98	ND	1.0	ug/L
Toluene	01/21/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/21/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/21/98	ND	0.58	ug/L
Trichloroethene	01/21/98	ND	0.66	ug/L
Trichlorofluoromethane	01/21/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/21/98	ND	1.6	ug/L
Vinyl chloride	01/21/98	ND	0.27	ug/L
o-Xylene	01/21/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/21/98	ND	0.83	ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)
Original Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54091] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	01/21/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	01/21/98	ND	0.79	ug/L
Vinyl acetate	01/21/98	ND	1.4	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5800 US 1 North, Fort Pierce, FL 34946
888-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000480002 8000480003 8000480004 8000480005 8000480006

QC results for Method Blank [54481]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/22/98	1.7	0.91	ug/L
Acrylonitrile	01/22/98	ND	2.4	ug/L
Benzene	01/22/98	ND	0.34	ug/L
Bromochloromethane	01/22/98	ND	0.91	ug/L
Bromodichloromethane	01/22/98	ND	0.80	ug/L
Bromoform	01/22/98	ND	1.5	ug/L
Bromomethane	01/22/98	ND	0.44	ug/L
Carbon disulfide	01/22/98	ND	0.63	ug/L
Carbon tetrachloride	01/22/98	ND	0.35	ug/L
Chlorobenzene	01/22/98	ND	0.54	ug/L
Chloroethane	01/22/98	ND	0.63	ug/L
Chloroform	01/22/98	ND	0.66	ug/L
Chloromethane	01/22/98	ND	0.65	ug/L
Dibromochloromethane	01/22/98	ND	0.86	ug/L
Dibromomethane	01/22/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/22/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/22/98	ND	1.0	ug/L
1,1-Dichloroethane	01/22/98	ND	1.1	ug/L
1,2-Dichloroethane	01/22/98	ND	1.7	ug/L
1,1-Dichloroethene	01/22/98	ND	0.51	ug/L

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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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54481] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	01/22/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	01/22/98	ND	0.47	ug/L
Methylene chloride	01/22/98	ND	1.2	ug/L
1,2-Dichloropropane	01/22/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/22/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/22/98	ND	0.46	ug/L
Ethylbenzene	01/22/98	ND	0.48	ug/L
2-Hexanone	01/22/98	ND	0.43	ug/L
2-Butanone	01/22/98	ND	0.75	ug/L
Methyl iodide	01/22/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/22/98	ND	0.79	ug/L
Styrene	01/22/98	ND	0.67	ug/L
Tetrachloroethene	01/22/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/22/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/22/98	ND	1.0	ug/L
Toluene	01/22/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/22/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/22/98	ND	0.58	ug/L
Trichloroethene	01/22/98	ND	0.66	ug/L
Trichlorofluoromethane	01/22/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/22/98	ND	1.6	ug/L
Vinyl chloride	01/22/98	ND	0.27	ug/L
o-Xylene	01/22/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/22/98	ND	0.83	ug/L

Southeast Florida
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 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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Client Citrus County Central Landfill
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QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54481] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	01/22/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	01/22/98	ND	0.79	ug/L
Vinyl acetate	01/22/98	ND	1.4	ug/L

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FDOH #85512 / E85370

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

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FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

8000480006

QC results for Method Blank [54937]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/23/98	1.6	0.91	ug/L
Acrylonitrile	01/23/98	ND	2.4	ug/L
Benzene	01/23/98	ND	0.34	ug/L
Bromochloromethane	01/23/98	ND	0.91	ug/L
Bromodichloromethane	01/23/98	ND	0.80	ug/L
Bromoform	01/23/98	ND	1.5	ug/L
Bromomethane	01/23/98	ND	0.44	ug/L
Carbon disulfide	01/23/98	ND	0.63	ug/L
Carbon tetrachloride	01/23/98	ND	0.35	ug/L
Chlorobenzene	01/23/98	ND	0.54	ug/L
Chloroethane	01/23/98	ND	0.63	ug/L
Chloroform	01/23/98	ND	0.66	ug/L
Chloromethane	01/23/98	ND	0.65	ug/L
Dibromochloromethane	01/23/98	ND	0.86	ug/L
Dibromomethane	01/23/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/23/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/23/98	ND	1.0	ug/L
1,1-Dichloroethane	01/23/98	ND	1.1	ug/L
1,2-Dichloroethane	01/23/98	ND	1.7	ug/L
1,1-Dichloroethene	01/23/98	ND	0.51	ug/L

Southeast Florida
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Fort Myers Area
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FDOH #85512 / E85370

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

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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54937] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	01/23/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	01/23/98	ND	0.47	ug/L
Methylene chloride	01/23/98	ND	1.2	ug/L
1,2-Dichloropropane	01/23/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/23/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/23/98	ND	0.46	ug/L
Ethylbenzene	01/23/98	ND	0.48	ug/L
2-Hexanone	01/23/98	ND	0.43	ug/L
2-Butanone	01/23/98	ND	0.75	ug/L
Methyl iodide	01/23/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/23/98	ND	0.79	ug/L
Styrene	01/23/98	ND	0.67	ug/L
Tetrachloroethene	01/23/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/23/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/23/98	ND	1.0	ug/L
Toluene	01/23/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/23/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/23/98	ND	0.58	ug/L
Trichloroethene	01/23/98	ND	0.66	ug/L
Trichlorofluoromethane	01/23/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/23/98	ND	1.6	ug/L
Vinyl chloride	01/23/98	ND	0.27	ug/L
o-Xylene	01/23/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/23/98	ND	0.83	ug/L

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FDOH #85512 / E85370

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

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Client Citrus County Central Landfill
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QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54937] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	01/23/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	01/23/98	ND	0.79	ug/L
Vinyl acetate	01/23/98	ND	1.4	ug/L

Southeast Florida
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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

8000480006

QC results for Method Blank [55262]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	02/02/98	ND	0.91	ug/L
Acrylonitrile	02/02/98	ND	2.4	ug/L
Benzene	02/02/98	ND	0.34	ug/L
Bromochloromethane	02/02/98	ND	0.91	ug/L
Bromodichloromethane	02/02/98	ND	0.80	ug/L
Bromoform	02/02/98	ND	1.5	ug/L
Bromomethane	02/02/98	ND	0.44	ug/L
Carbon disulfide	02/02/98	ND	0.63	ug/L
Carbon tetrachloride	02/02/98	ND	0.35	ug/L
Chlorobenzene	02/02/98	ND	0.54	ug/L
Chloroethane	02/02/98	ND	0.63	ug/L
Chloroform	02/02/98	ND	0.66	ug/L
Chloromethane	02/02/98	ND	0.65	ug/L
Dibromochloromethane	02/02/98	ND	0.86	ug/L
Dibromomethane	02/02/98	ND	1.0	ug/L
1,2-Dichlorobenzene	02/02/98	ND	1.1	ug/L
1,4-Dichlorobenzene	02/02/98	ND	1.0	ug/L
1,1-Dichloroethane	02/02/98	ND	1.1	ug/L
1,2-Dichloroethane	02/02/98	ND	1.7	ug/L
1,1-Dichloroethene	02/02/98	ND	0.51	ug/L

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FDOH #85512 / E85370

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

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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [55262] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
cis-1,2-Dichloroethene	02/02/98	ND	1.1	ug/L
trans-1,2-Dichloroethene	02/02/98	ND	0.47	ug/L
Methylene chloride	02/02/98	ND	1.2	ug/L
1,2-Dichloropropane	02/02/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	02/02/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	02/02/98	ND	0.46	ug/L
Ethylbenzene	02/02/98	ND	0.48	ug/L
2-Hexanone	02/02/98	ND	0.43	ug/L
2-Butanone	02/02/98	ND	0.75	ug/L
Methyl iodide	02/02/98	ND	1.6	ug/L
4-Methyl-2-pentanone	02/02/98	ND	0.79	ug/L
Styrene	02/02/98	ND	0.67	ug/L
Tetrachloroethene	02/02/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	02/02/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	02/02/98	ND	1.0	ug/L
Toluene	02/02/98	ND	0.40	ug/L
1,1,1-Trichloroethane	02/02/98	ND	1.1	ug/L
1,1,2-Trichloroethane	02/02/98	ND	0.58	ug/L
Trichloroethene	02/02/98	ND	0.66	ug/L
Trichlorofluoromethane	02/02/98	ND	0.86	ug/L
1,2,3-Trichloropropane	02/02/98	ND	1.6	ug/L
Vinyl chloride	02/02/98	ND	0.27	ug/L
o-Xylene	02/02/98	ND	1.3	ug/L
m-Xylene and p-Xylene	02/02/98	ND	0.83	ug/L

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

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

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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [55262] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Total Xylenes	02/02/98	ND	1.5	ug/L
trans-1,4-Dichloro-2-butene	02/02/98	ND	0.79	ug/L
Vinyl acetate	02/02/98	ND	1.4	ug/L

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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch WCGE 5748 (24935)

Original

Matrix Environmental Water

Analysis Method Residue, Filterable (TDS)

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

QC results for Method Blank [54101]

Run Instrument:

Parameter	Analyzed	Result	RDL	Units
Total Dissolved Solids	01/23/98	ND	5.0	mg/L

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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch MDIG 2026 (25137)

Original

Matrix Environmental Water

Prep Date 01/24/98 16:51

Analysis Method Mercury-Cold Vapor-Water

QC results affect the following production samples:

8000480002

8000480003

8000480004

8000480005

QC results for Method Blank [54364]

Run Instrument: Perkin Elmer 3100

Parameter	Analyzed	Result	RDL	Units
Mercury	01/25/98	ND	0.060	ppb

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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch METV 1018 (25140)
Original 8000480001
Matrix Environmental Water

Prep Date 01/24/98 17:05
Analysis Method SW-846 7470

QC results affect the following production samples:

8000480002 8000480003 8000480004 8000480005

QC results for Matrix Spike [54370] - Matrix Spike Duplicate [54371]

Parameter	Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD		Spiked Amount	Analyzed	Instru ID
					RPD	Limits			
Mercury	MS1	ND	0.0018	90	51-142		.002mg/L	01/25/98	PEFIAS
	MSD1		0.0018	92		2.2	0-20 .002mg/L	01/25/98	PEFIAS

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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch MDIG 2030 (25455)
Original Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 01/28/98 16:41
Analysis Method SW-846 6010

QC results affect the following production samples:

8000480002 8000480003 8000480004 8000480005

QC results for Method Blank [54636]

Run Instrument: ThermoJarrellAsh 61E Trace ICP

Parameter	Analyzed	Result	RDL	Units
Antimony	01/28/98	ND	0.0040	mg/L
Arsenic	01/28/98	ND	0.0032	mg/L
Barium	01/28/98	ND	0.0018	mg/L
Beryllium	01/28/98	ND	0.0010	mg/L
Cadmium	01/28/98	ND	0.00070	mg/L
Chromium	01/28/98	ND	0.0018	mg/L
Cobalt	01/28/98	ND	0.0010	mg/L
Copper	01/28/98	ND	0.0014	mg/L
Iron	01/28/98	ND	0.025	mg/L
Lead	01/28/98	ND	0.0030	mg/L
Nickel	01/28/98	ND	0.0020	mg/L
Selenium	01/28/98	ND	0.0021	mg/L
Silver	01/28/98	ND	0.0010	mg/L
Sodium	01/28/98	ND	0.50	mg/L
Vanadium	01/28/98	ND	0.00040	mg/L
Zinc	01/28/98	ND	0.050	mg/L

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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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Client Citrus County Central Landfill
Workorder Semi-Annual Wells

QC Batch MDIG 2030 (25455)
Original 8000480001
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 01/28/98 16:41
Analysis Method SW-846 6010

QC results affect the following production samples:

8000480002 8000480003 8000480004 8000480005

QC results for Matrix Spike [54638] - Matrix Spike Duplicate [54639]

Parameter		Original	QC Result	Pct Recov	MS/MSD Limits	RPD	Spiked RPD Limits	Amount	Analyzed	Instru ID
		Result								
Arsenic	MS	ND	0.25	99	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.25	99		0	0-20	.25mg/L	01/28/98	TJAICP
Barium	MS	0.015	0.27	103	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.27	102		.98	0-20	.25mg/L	01/28/98	TJAICP
Beryllium	MS	ND	0.048	95	80-120			.05mg/L	01/28/98	TJAICP
	MSD		0.047	94		1.1	0-20	.05mg/L	01/28/98	TJAICP
Cadmium	MS	ND	0.094	94	80-120			.1mg/L	01/28/98	TJAICP
	MSD		0.093	93		1.1	0-20	.1mg/L	01/28/98	TJAICP
Chromium	MS	ND	0.24	95	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.24	95		0	0-20	.25mg/L	01/28/98	TJAICP
Cobalt	MS	ND	0.095	95	80-120			.1mg/L	01/28/98	TJAICP
	MSD		0.095	95		0	0-20	.1mg/L	01/28/98	TJAICP
Copper	MS	ND	0.25	99	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.25	99		0	0-20	.25mg/L	01/28/98	TJAICP
Iron	MS	0.00027	0.51	206	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.51	205		.49	0-20	.25mg/L	01/28/98	TJAICP
Lead	MS	ND	0.24	95	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.24	95		0	0-20	.25mg/L	01/28/98	TJAICP
Nickel	MS	ND	0.24	95	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.24	95		0	0-20	.25mg/L	01/28/98	TJAICP

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QC Batch MDIG 2030 (25455)
Original 8000480001
Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 01/28/98 16:41
Analysis Method SW-846 6010

QC results for Matrix Spike [54638] - Matrix Spike Duplicate [54639] (continued)

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Selenium	MS	ND	0.24	96	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.24	96		0	0-20	.25mg/L	01/28/98	TJAICP
Silver	MS	ND	0.024	94	80-120			.025mg/L	01/28/98	TJAICP
	MSD		0.024	95		1.1	0-20	.025mg/L	01/28/98	TJAICP
Sodium	MS	19	120	105	65.6-153.5			100mg/L	01/28/98	TJAICP
	MSD		120	106		.95	0-20	100mg/L	01/28/98	TJAICP
Vanadium	MS	ND	0.097	97	80-120			.1mg/L	01/28/98	TJAICP
	MSD		0.097	97		0	0-20	.1mg/L	01/28/98	TJAICP
Zinc	MS	ND	0.26	105	80-120			.25mg/L	01/28/98	TJAICP
	MSD		0.26	104		.96	0-20	.25mg/L	01/28/98	TJAICP

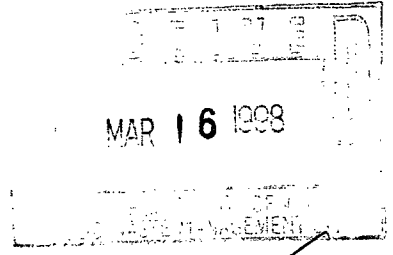
End of Report

**HARBOR BRANCH
ENVIRONMENTAL LABORATORY**



5600 U.S. 1 NORTH
FORT PIERCE, FLORIDA 34946

(561) 465-2400, Ext. 285 or 448
FAX (561) 467-1584



**ANALYTICAL REPORT FOR:
CITRUS COUNTY CENTRAL LANDFILL
SEMI ANNUAL MONITORING WELLS
GMS # 4009C00086**

**PRESENTED TO:
CATHY WINTER**

**ANALYSIS BY:
HARBOR BRANCH ENVIRONMENTAL LABORATORY
CompQAP #870174G
HRS #E96080/96230**

**PROJECT MANAGER:
DON HASH**

A handwritten signature in cursive script, appearing to read "Don Hash", written over a horizontal line.

**LABORATORY DIRECTOR:
N. MYRON GUNSALUS, JR.**

A handwritten signature in cursive script, appearing to read "N. Myron Gunsalus, Jr.", written over a horizontal line.

MARCH 3, 1998

RECEIVED

JUN 25 1998

Solid Waste Section



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 and accuracy limits.

Water Temperature, Dissolved Oxygen, Turbidity, pH, and Specific Conductance measurements were made in the field at the time of sampling. Due to a field sampling oversight, Turbidity was not performed after filtration for MW D.

As a result of suspected matrix interference, the matrix spike and matrix spike duplicate analyses produced results for the EPA 8260 analysis of Vinyl Acetate that fell outside of established precision and accuracy limits. Accuracy was demonstrated with the analysis of the laboratory control sample. All other quality control criteria were met.

Acetone was detected in the method blank associated with the EPA 8260 analysis of samples 8000568001 – 800568004 at a level slightly above the Method Detection Limit. This analyte was not detected in any of the samples.

Eric Charest

Quality Assurance Manager



SUMMARY OF EXCEEDENCES

Referencing

Florida Ground Water Guidance Concentrations, June 1994

for

**Harbor Branch Environmental Laboratory
HPN #: 8000568**

1,1,2,2 – Tetrachloroethane RL, 2, is above the GCL of 0.2 ug/L.

Bromodichloromethane RL, 1, is above the GCL of 0.6 ug/L.

MW 1R: Iron exceeds GCLs.

MW D: Iron exceeds GCLs.

Field Filtration Device



**HI CAPACITY
GROUNDWATER FILTER**

CATALOG NO. FGI0860-1038B

DESCRIPTION: IN-LINE, 860 CM2, 1 MICRON, 3/8" BARB STEMS.

TELEPHONE: 1-800-446-3781

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946
561-466-2400, Ext. 285

FDEP QAP 870174



PART III ANALYTICAL RESULTS

REVISED
3-13-08

Facility GMS#: 4009C00086

Test Site ID#: 4009A17267

Well Name: MW - 1R

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD): 120.00 ft.

or (MSL):

HBEL Sample ID: 8000568001

Sampling Date/Time: 01/21/98 9:10

Report Period: SA July 97 - Jan. 98

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
000081	Color & Sheens	G	N	-	02/23/98 9:00	Light Yellow -	-
000094	Specific Conductance	G	N	EPA 120.1	01/21/98 9:10	130 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/21/98 9:10	6.9 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	66 mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/21/98 9:10	20 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/21/98 9:10	ND NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/22/98 23:27	8.6 mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/22/98 23:27	0.066 mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 9:56	ND mg/L	0.050 mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/21/98 9:10	4.7 mg/L	0.50 mg/L
---	Water Level Elevation (to TOC)	G	N	Observation	01/21/98 9:10	110.64 ft.	---
001097	Antimony	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/28/98 19:57	17 ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/28/98 19:57	13 ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 19:57	4000 ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/28/98 19:57	10 ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

REVISED
3-13-98

Facility GMS# : 4009C00086

Test Site ID# : 4009A17267

HBEL Sample ID: 8000568001

Sampling Date/Time: 01/21/98 9:10

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) : Y

Well Name: MW - 1R

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD) : 120.00 ft.

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
000929	Sodium	G	N	SW-846 6010	01/28/98 19:57	6800 ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/28/98 19:57	ND ug/L	50 ug/L
007900	Mercury	G	N	SW-846 7470	01/30/98 16:19	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/27/98 7:46	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/27/98 7:46	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L

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



PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A17267

Well Name: MW - 1R

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD) : 120.00 ft.

or (MSL):

REVISED
3-13-98

HBEL Sample ID: 8000568001

Sampling Date/Time: 01/21/98 9:10

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	2.0	ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	2.0	ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	2.0	ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	2.0	ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	5.0	ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	2.0	ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 17:45	ND	ug/L	1.0	ug/L

Southeast Florida
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FDOH #83486 / E83509

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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



REVISED
 3-13-98 JDO

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
 Test Site ID# : 4009A17267

Well Name: MW - 1R
 Classification of Ground Water: GW - II
 Ground Water Elevation (NGVD) : 120.00 ft.
 or (MSL):

HBEL Sample ID: 8000568001
 Sampling Date/Time: 01/21/98 9:10
 Report Period: SA July 97 - Jan. 98
 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
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 17:45	ND ug/L	1.0 ug/L

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PART III ANALYTICAL RESULTS

REVISED
3-12-98

Facility GMS# : 4009C00986

Test Site ID# : 4009A11578

HBEL Sample ID: 8000568002

Sampling Date/Time: 01/21/98 15:20

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) : Y

Well Name: MW - D

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD) : 209.00 ft.

or (MSL):

Well Type: Background

Intermediate

Compliance

Other **DETECTION**

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units		Detection Limits/Units	
000094	Specific Conductance	G	N	EPA 120.1	01/21/98 15:20	410	umhos/cm	2.0	umhos/cm
004000	pH	G	N	EPA 150.1	01/21/98 15:20	7.5	SU	0.20	SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	300	mg/L	40	mg/L
000010	Water Temperature	G	N	EPA 170.1	01/21/98 15:20	24	:C	0.20	:C
082078	Turbidity	G	N	EPA 180.1	01/21/98 15:20	5.5	NTU	0.090	NTU
000940	Chloride	G	N	EPA 300.0	01/22/98 22:37	5.6	mg/L	0.30	mg/L
000620	Nitrate	G	N	EPA 300.0	01/22/98 22:37	0.0090	mg/L	0.0060	mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 9:56	0.13	mg/L	0.050	mg/L
000300	Dissolved Oxygen	G	N	EPA 360.1	01/21/98 15:20	2.3	mg/L	0.50	mg/L
---	Water Level Elevation (to TOC)	G	N	Observation	01/21/98 15:20	Pending	ft	---	---
001097	Antimony	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	10	ug/L
001002	Arsenic	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	5.0	ug/L
001007	Barium	G	Y	SW-846 6010	01/28/98 20:02	120	ug/L	10	ug/L
001012	Beryllium	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	1.0	ug/L
001027	Cadmium	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	1.0	ug/L
001034	Chromium	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	2.0	ug/L
001037	Cobalt	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	2.0	ug/L
001042	Copper	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	2.0	ug/L
001045	Iron	G	Y	SW-846 6010	01/28/98 20:02	1400	ug/L	40	ug/L
001051	Lead	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	3.0	ug/L
001067	Nickel	G	Y	SW-846 6010	01/28/98 20:02	10	ug/L	5.0	ug/L
001147	Selenium	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	5.0	ug/L
001077	Silver	G	Y	SW-846 6010	01/28/98 20:02	ND	ug/L	1.0	ug/L
000929	Sodium	G	Y	SW-846 6010	01/28/98 20:02	12000	ug/L	1000	ug/L

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REVISED
3-13-98 00

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A11578

Well Name: MW - D

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD) : 209.00 ft.

or (MSL):

HBEL Sample ID: 8000568002

Sampling Date/Time: 01/21/98 15:20

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other **DETECTION**

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
000929	Sodium	G	Y	SW-846 6010	01/28/98 20:02	12000 ug/L	1000 ug/L
001087	Vanadium	G	Y	SW-846 6010	01/28/98 20:02	ND ug/L	4.0 ug/L
001092	Zinc	G	Y	SW-846 6010	01/28/98 20:02	ND ug/L	50 ug/L
007900	Mercury	G	Y	SW-846 7470	01/30/98 16:20	ND ug/L	0.50 ug/L
001059	Thallium	G	Y	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/27/98 8:17	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/27/98 8:17	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174



REVISED
3-13-98

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : 4009A11578

Well Name: MW - D

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD) : 209.00 ft.

or (MSL):

HBEL Sample ID: 8000568002

Sampling Date/Time: 01/21/98 15:20

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) : Y

Well Type: Background

Intermediate

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

REVISED
3-13-98

Facility GMS# : 4009C00086

Test Site ID# : 4009A11578

HBEL Sample ID: 8000568002

Sampling Date/Time: 01/21/98 15:20

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) : Y

Well Name: MW - D

Classification of Ground Water: GW - II

Ground Water Elevation (NGVD) : 209.00 ft.

or (MSL):

Well Type: Background

Intermediate

Compliance

Other DETECTION

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 18:30	ND ug/L	1.0 ug/L

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



REVISED
3-13-98

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086

Test Site ID# : N/A

HBEL Sample ID: 8000568003

Sampling Date/Time: 01/21/98 11:10

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) :

Well Name: Equipment Blank

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
000094	Specific Conductance	G	N	EPA 120.1	01/21/98 11:10	2.9 umhos/cm	2.0 umhos/cm
004000	pH	G	N	EPA 150.1	01/21/98 11:10	7.1 SU	0.20 SU
070304	Total Dissolved Solids	G	N	EPA 160.1	01/27/98 14:00	ND mg/L	10 mg/L
000010	Water Temperature	G	N	EPA 170.1	01/21/98 11:10	17 :C	0.20 :C
082078	Turbidity	G	N	EPA 180.1	01/21/98 11:10	ND NTU	0.090 NTU
000940	Chloride	G	N	EPA 300.0	01/23/98 0:17	ND mg/L	3.0 mg/L
000620	Nitrate	G	N	EPA 300.0	01/23/98 0:17	ND mg/L	0.060 mg/L
000610	Ammonia	G	N	EPA 350.1	01/26/98 9:56	ND mg/L	0.050 mg/L
001097	Antimony	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	5.0 ug/L
001002	Arsenic	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	5.0 ug/L
001007	Barium	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	10 ug/L
001012	Beryllium	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	1.0 ug/L
001027	Cadmium	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	1.0 ug/L
001034	Chromium	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	2.0 ug/L
001037	Cobalt	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	2.0 ug/L
001042	Copper	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	2.0 ug/L
001045	Iron	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	40 ug/L
001051	Lead	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	3.0 ug/L
001067	Nickel	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	5.0 ug/L
001147	Selenium	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	5.0 ug/L
001077	Silver	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	1.0 ug/L
000929	Sodium	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	1000 ug/L
001087	Vanadium	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	4.0 ug/L
001092	Zinc	G	N	SW-846 6010	01/28/98 20:08	ND ug/L	50 ug/L

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PART III ANALYTICAL RESULTS

ANALYSIS
61308110

Facility GMS# : 4009C00086
Test Site ID# : N/A

Well Name: Equipment Blank
Classification of Ground Water:
Ground Water Elevation (NGVD):
or (MSL):

HBEL Sample ID: 8000568003
Sampling Date/Time: 01/21/98 11:10
Report Period: SA July 97 - Jan. 98
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
007900	Mercury	G	N	SW-846 7470	01/30/98 16:20	ND ug/L	0.50 ug/L
001059	Thallium	G	N	SW-846 7841	02/03/98 9:48	ND ug/L	2.0 ug/L
038437	1,2-Dibromo-3-chloropropane	G	N	SW-846 8011	01/27/98 8:47	ND ug/L	0.019 ug/L
077651	1,2-Dibromoethane	G	N	SW-846 8011	01/27/98 8:47	ND ug/L	0.019 ug/L
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L

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FDEP QAP 870174



REVISED
3-13-98 JDB

PART III ANALYTICAL RESULTS

Facility GMS# : 4009C00086
Test Site ID# : N/A

HBEL Sample ID: 8000568003
Sampling Date/Time: 01/21/98 11:10
Report Period: SA July 97 - Jan. 98
Well Purged (Y/N):

Well Name: Equipment Blank
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
034413	Bromomethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034311	Chloroethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	2.0 ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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888-465-2400, Ext. 285

FDEP QAP 870174



PART III ANALYTICAL RESULTS

REVISION
3-13-98 JDO

Facility GMS# : 4009C00086
Test Site ID# : N/A

Well Name: Equipment Blank
Classification of Ground Water: _____
Ground Water Elevation (NGVD) : _____
or (MSL): _____

HBEL Sample ID: 8000568003
Sampling Date/Time: 01/21/98 11:10
Report Period: SA July 97 - Jan. 98
Well Purged (Y/N) : _____

Well Type: Background
 Intermediate
 Compliance
 Other

Store Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Result/Units	Detection Limits/Units
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 19:16	ND ug/L	1.0 ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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FDEP QAP 870174



PART III ANALYTICAL RESULTS

REVISED
3-13-98 8:00

Facility GMS# : 4009C00086

Test Site ID# : N/A

Well Name: Trip Blank

Classification of Ground Water: _____

Ground Water Elevation (NGVD) : _____

or (MSL): _____

HBEL Sample ID: 8000568004

Sampling Date/Time: 01/21/98 11:10

Report Period: SA July 97 - Jan. 98

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
077562	1,1,1,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034506	1,1,1-Trichloroethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034516	1,1,2,2-Tetrachloroethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034511	1,1,2-Trichloroethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034496	1,1-Dichloroethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034501	1,1-Dichloroethene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
077443	1,2,3-Trichloropropane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034536	1,2-Dichlorobenzene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034531	1,2-Dichloroethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034541	1,2-Dichloropropane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034571	1,4-Dichlorobenzene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
081595	2-Butanone	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
077103	2-Hexanone	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
081596	4-Methyl-2-pentanone	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
081552	Acetone	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	10 ug/L
034215	Acrylonitrile	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	5.0 ug/L
034030	Benzene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
077297	Bromochloromethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
032101	Bromodichloromethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
032104	Bromoform	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034413	Bromomethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
077041	Carbon disulfide	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
032102	Carbon tetrachloride	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034301	Chlorobenzene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L

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



PART III ANALYTICAL RESULTS

REVISED
3-13-98

Facility GMS# : 4009C00086

Test Site ID# : N/A

HBEL Sample ID: 8000568004

Sampling Date/Time: 01/21/98 11:10

Report Period: SA July 97 - Jan. 98

Well Purged (Y/N) :

Well Name: Trip Blank

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
034311	Chloroethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
032106	Chloroform	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034418	Chloromethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
077093	cis-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034704	cis-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
081521	Dibromochloromethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
081522	Dibromomethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034371	Ethylbenzene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
077424	Methyl iodide	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034423	Methylene chloride	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	5.0 ug/L
077128	Styrene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034475	Tetrachloroethene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034010	Toluene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
081551	Total Xylenes	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
034546	trans-1,2-Dichloroethene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034699	trans-1,3-Dichloropropene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
073547	trans-1,4-Dichloro-2-butene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
039180	Trichloroethene	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
034488	Trichlorofluoromethane	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L
077057	Vinyl acetate	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	2.0 ug/L
039175	Vinyl chloride	G	N	SW-846 8260	01/23/98 20:01	ND ug/L	1.0 ug/L

CHAIN OF CUSTODY RECORD
The ENVIRONMENTAL LABORATORY at Harbor Branch

5600 U. S. 1 North, Ft. Pierce, FL 34946, 407-465-2400 ext. 285

COMPANY: Citrus Co.
 ADDRESS: Central Landfill
 PHONE: _____
 FAX: _____
 CLIENT CONTACT: S. Metcalfe
 PURCHASE ORDER #: _____

DATE NEEDED: Normal TAT
 CLIENT PROJECT: _____
 PROJECT NAME / #: Wells - S/A.
 HBOI W/O & HPN: E000568

SPECIAL INSTRUCTIONS:
 RUSH in BUSINESS DAYS
SAMPLE SAFETY INFORMATION **
 Are there any other known or suspected safety hazards associated with these samples-other than those listed below?
 Yes No If Yes, _____

SAMPLED BY: Dienst.
 DATE: 1/21/98
 TIME: _____
 METHOD OF SHIPMENT: Courier
 COOLER NO.(s) _____

MATRIX KEY	PRESERVATION KEY	ANALYSES REQUESTED							COMMENTS
		Appendix I VOC's	EDB/DBCP	Metals	NH3	Cl, NO3, TDS	Filt. Metals		
S = Solid SL = Sludge DW = Drinking GW = Ground SW = Surface WW = Waste	H = Hydrochloric Acid N = Nitric Acid S = Sulfuric Acid SH = Sodium Hydroxide P = Phosphoric Acid ST = Sodium Thiosulfate U = None / Unpreserved								

G = Grab
 C = Composite
 O = Other

Turbidity FIELD ID	SAMPLING		SAMPLE TYPE	MATRIX	#	PRESERVATIVE → SAMPLE LOCATION ↓	HCL	U	N	S	U	N	
	DATE	TIME											
0.00	1/21/98	9:10	G.	GW.	9	MW-1 (1R)	3	3	1	1	1		PH: SC: T: DO: 6.88 130 20 4.6
5.51	1/21/98	15:20	G.	GW.	9	MW-D	3	3	1	1	1		7.52 410 24 2.34
0.00	1/21/98	11:10	G.	DI H2O	9	E. Blank	3	3	1	1	1		7.11 29 17 10.55
	1/21/98	11:10	G.	DI H2O	1	Trip Blank	1						
					28	Total	10	9	2	3	3	1	

RELINQUISHED BY**: <u>D. Dienstberger</u>	DATE: <u>1-21-98</u>	RECEIVED BY:	DATE:
	TIME: <u>16:00</u>		TIME:
RELINQUISHED BY:	DATE:	RECEIVED BY:	DATE:
	TIME:		TIME:
RELINQUISHED BY:	DATE:	RECEIVED FOR LAB BY:	DATE: <u>1/22/98</u>
	TIME:	LAB NAME: <u>Kevin North</u>	TIME: <u>14:00</u>

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)
Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000568001

8000568002

8000568003

8000568004

QC results for Method Blank [54091]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/21/98	1.7	0.91	ug/L
Acrylonitrile	01/21/98	ND	2.4	ug/L
Benzene	01/21/98	ND	0.34	ug/L
Bromochloromethane	01/21/98	ND	0.91	ug/L
Bromodichloromethane	01/21/98	ND	0.80	ug/L
Bromoform	01/21/98	ND	1.5	ug/L
Bromomethane	01/21/98	ND	0.44	ug/L
Carbon disulfide	01/21/98	ND	0.63	ug/L
Carbon tetrachloride	01/21/98	ND	0.35	ug/L
Chlorobenzene	01/21/98	ND	0.54	ug/L
Chloroethane	01/21/98	ND	0.63	ug/L
Chloroform	01/21/98	ND	0.66	ug/L
Chloromethane	01/21/98	ND	0.65	ug/L
Dibromochloromethane	01/21/98	ND	0.86	ug/L
Dibromomethane	01/21/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/21/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/21/98	ND	1.0	ug/L
1,1-Dichloroethane	01/21/98	ND	1.1	ug/L
1,2-Dichloroethane	01/21/98	ND	1.7	ug/L
1,1-Dichloroethene	01/21/98	ND	0.51	ug/L
cis-1,2-Dichloroethene	01/21/98	ND	1.1	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 265

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54091] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,2-Dichloroethene	01/21/98	ND	0.47	ug/L
Methylene chloride	01/21/98	ND	1.2	ug/L
1,2-Dichloropropane	01/21/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/21/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/21/98	ND	0.46	ug/L
Ethylbenzene	01/21/98	ND	0.48	ug/L
2-Hexanone	01/21/98	ND	0.43	ug/L
2-Butanone	01/21/98	ND	0.75	ug/L
Methyl iodide	01/21/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/21/98	ND	0.79	ug/L
Styrene	01/21/98	ND	0.67	ug/L
Tetrachloroethene	01/21/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/21/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/21/98	ND	1.0	ug/L
Toluene	01/21/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/21/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/21/98	ND	0.58	ug/L
Trichloroethene	01/21/98	ND	0.66	ug/L
Trichlorofluoromethane	01/21/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/21/98	ND	1.6	ug/L
Vinyl chloride	01/21/98	ND	0.27	ug/L
o-Xylene	01/21/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/21/98	ND	0.83	ug/L
Total Xylenes	01/21/98	ND	1.5	ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)
Original Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54091] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,4-Dichloro-2-butene	01/21/98	ND	0.79	ug/L
Vinyl acetate	01/21/98	ND	1.4	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)
Original Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000568001 8000568002 8000568003 8000568004

QC results for Method Blank [54481]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/22/98	1.7	0.91	ug/L
Acrylonitrile	01/22/98	ND	2.4	ug/L
Benzene	01/22/98	ND	0.34	ug/L
Bromochloromethane	01/22/98	ND	0.91	ug/L
Bromodichloromethane	01/22/98	ND	0.80	ug/L
Bromoform	01/22/98	ND	1.5	ug/L
Bromomethane	01/22/98	ND	0.44	ug/L
Carbon disulfide	01/22/98	ND	0.63	ug/L
Carbon tetrachloride	01/22/98	ND	0.35	ug/L
Chlorobenzene	01/22/98	ND	0.54	ug/L
Chloroethane	01/22/98	ND	0.63	ug/L
Chloroform	01/22/98	ND	0.66	ug/L
Chloromethane	01/22/98	ND	0.65	ug/L
Dibromochloromethane	01/22/98	ND	0.86	ug/L
Dibromomethane	01/22/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/22/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/22/98	ND	1.0	ug/L
1,1-Dichloroethane	01/22/98	ND	1.1	ug/L
1,2-Dichloroethane	01/22/98	ND	1.7	ug/L
1,1-Dichloroethene	01/22/98	ND	0.51	ug/L
cis-1,2-Dichloroethene	01/22/98	ND	1.1	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54481] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,2-Dichloroethene	01/22/98	ND	0.47	ug/L
Methylene chloride	01/22/98	ND	1.2	ug/L
1,2-Dichloropropane	01/22/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/22/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/22/98	ND	0.46	ug/L
Ethylbenzene	01/22/98	ND	0.48	ug/L
2-Hexanone	01/22/98	ND	0.43	ug/L
2-Butanone	01/22/98	ND	0.75	ug/L
Methyl iodide	01/22/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/22/98	ND	0.79	ug/L
Styrene	01/22/98	ND	0.67	ug/L
Tetrachloroethene	01/22/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/22/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/22/98	ND	1.0	ug/L
Toluene	01/22/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/22/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/22/98	ND	0.58	ug/L
Trichloroethene	01/22/98	ND	0.66	ug/L
Trichlorofluoromethane	01/22/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/22/98	ND	1.6	ug/L
Vinyl chloride	01/22/98	ND	0.27	ug/L
o-Xylene	01/22/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/22/98	ND	0.83	ug/L
Total Xylenes	01/22/98	ND	1.5	ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)
Original
Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54481] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,4-Dichloro-2-butene	01/22/98	ND	0.79	ug/L
Vinyl acetate	01/22/98	ND	1.4	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC-1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000568001

8000568002

8000568003

8000568004

QC results for Method Blank [54937]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	01/23/98	1.6	0.91	ug/L
Acrylonitrile	01/23/98	ND	2.4	ug/L
Benzene	01/23/98	ND	0.34	ug/L
Bromochloromethane	01/23/98	ND	0.91	ug/L
Bromodichloromethane	01/23/98	ND	0.80	ug/L
Bromoform	01/23/98	ND	1.5	ug/L
Bromomethane	01/23/98	ND	0.44	ug/L
Carbon disulfide	01/23/98	ND	0.63	ug/L
Carbon tetrachloride	01/23/98	ND	0.35	ug/L
Chlorobenzene	01/23/98	ND	0.54	ug/L
Chloroethane	01/23/98	ND	0.63	ug/L
Chloroform	01/23/98	ND	0.66	ug/L
Chloromethane	01/23/98	ND	0.65	ug/L
Dibromochloromethane	01/23/98	ND	0.86	ug/L
Dibromomethane	01/23/98	ND	1.0	ug/L
1,2-Dichlorobenzene	01/23/98	ND	1.1	ug/L
1,4-Dichlorobenzene	01/23/98	ND	1.0	ug/L
1,1-Dichloroethane	01/23/98	ND	1.1	ug/L
1,2-Dichloroethane	01/23/98	ND	1.7	ug/L
1,1-Dichloroethene	01/23/98	ND	0.51	ug/L
cis-1,2-Dichloroethene	01/23/98	ND	1.1	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

5600 US 1 North, Fort Pierce, FL 34946

561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54937] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,2-Dichloroethene	01/23/98	ND	0.47	ug/L
Methylene chloride	01/23/98	ND	1.2	ug/L
1,2-Dichloropropane	01/23/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	01/23/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	01/23/98	ND	0.46	ug/L
Ethylbenzene	01/23/98	ND	0.48	ug/L
2-Hexanone	01/23/98	ND	0.43	ug/L
2-Butanone	01/23/98	ND	0.75	ug/L
Methyl iodide	01/23/98	ND	1.6	ug/L
4-Methyl-2-pentanone	01/23/98	ND	0.79	ug/L
Styrene	01/23/98	ND	0.67	ug/L
Tetrachloroethene	01/23/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	01/23/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	01/23/98	ND	1.0	ug/L
Toluene	01/23/98	ND	0.40	ug/L
1,1,1-Trichloroethane	01/23/98	ND	1.1	ug/L
1,1,2-Trichloroethane	01/23/98	ND	0.58	ug/L
Trichloroethene	01/23/98	ND	0.66	ug/L
Trichlorofluoromethane	01/23/98	ND	0.86	ug/L
1,2,3-Trichloropropane	01/23/98	ND	1.6	ug/L
Vinyl chloride	01/23/98	ND	0.27	ug/L
o-Xylene	01/23/98	ND	1.3	ug/L
m-Xylene and p-Xylene	01/23/98	ND	0.83	ug/L
Total Xylenes	01/23/98	ND	1.5	ug/L

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)
Original Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [54937] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,4-Dichloro-2-butene	01/23/98	ND	0.79	ug/L
Vinyl acetate	01/23/98	ND	1.4	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY

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

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)
Original Matrix Environmental Water

Analysis Method SW-846 8260

QC results affect the following production samples:

8000568001 8000568002 8000568003 8000568004

QC results for Method Blank [55262]

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
Acetone	02/02/98	ND	0.91	ug/L
Acrylonitrile	02/02/98	ND	2.4	ug/L
Benzene	02/02/98	ND	0.34	ug/L
Bromochloromethane	02/02/98	ND	0.91	ug/L
Bromodichloromethane	02/02/98	ND	0.80	ug/L
Bromoform	02/02/98	ND	1.5	ug/L
Bromomethane	02/02/98	ND	0.44	ug/L
Carbon disulfide	02/02/98	ND	0.63	ug/L
Carbon tetrachloride	02/02/98	ND	0.35	ug/L
Chlorobenzene	02/02/98	ND	0.54	ug/L
Chloroethane	02/02/98	ND	0.63	ug/L
Chloroform	02/02/98	ND	0.66	ug/L
Chloromethane	02/02/98	ND	0.65	ug/L
Dibromochloromethane	02/02/98	ND	0.86	ug/L
Dibromomethane	02/02/98	ND	1.0	ug/L
1,2-Dichlorobenzene	02/02/98	ND	1.1	ug/L
1,4-Dichlorobenzene	02/02/98	ND	1.0	ug/L
1,1-Dichloroethane	02/02/98	ND	1.1	ug/L
1,2-Dichloroethane	02/02/98	ND	1.7	ug/L
1,1-Dichloroethene	02/02/98	ND	0.51	ug/L
cis-1,2-Dichloroethene	02/02/98	ND	1.1	ug/L

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

HARBOR BRANCH ENVIRONMENTAL LABORATORY5600 US 1 North, Fort Pierce, FL 34946
561-465-2400, Ext. 285

FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [55262] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,2-Dichloroethene	02/02/98	ND	0.47	ug/L
Methylene chloride	02/02/98	ND	1.2	ug/L
1,2-Dichloropropane	02/02/98	ND	0.59	ug/L
cis-1,3-Dichloropropene	02/02/98	ND	0.32	ug/L
trans-1,3-Dichloropropene	02/02/98	ND	0.46	ug/L
Ethylbenzene	02/02/98	ND	0.48	ug/L
2-Hexanone	02/02/98	ND	0.43	ug/L
2-Butanone	02/02/98	ND	0.75	ug/L
Methyl iodide	02/02/98	ND	1.6	ug/L
4-Methyl-2-pentanone	02/02/98	ND	0.79	ug/L
Styrene	02/02/98	ND	0.67	ug/L
Tetrachloroethene	02/02/98	ND	0.90	ug/L
1,1,1,2-Tetrachloroethane	02/02/98	ND	0.59	ug/L
1,1,2,2-Tetrachloroethane	02/02/98	ND	1.0	ug/L
Toluene	02/02/98	ND	0.40	ug/L
1,1,1-Trichloroethane	02/02/98	ND	1.1	ug/L
1,1,2-Trichloroethane	02/02/98	ND	0.58	ug/L
Trichloroethene	02/02/98	ND	0.66	ug/L
Trichlorofluoromethane	02/02/98	ND	0.86	ug/L
1,2,3-Trichloropropane	02/02/98	ND	1.6	ug/L
Vinyl chloride	02/02/98	ND	0.27	ug/L
o-Xylene	02/02/98	ND	1.3	ug/L
m-Xylene and p-Xylene	02/02/98	ND	0.83	ug/L
Total Xylenes	02/02/98	ND	1.5	ug/L

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FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch VOC 1231 (24931)

Original

Matrix Environmental Water

Analysis Method SW-846 8260

QC results for Method Blank [55262] (continued)

Run Instrument: Finnigan Incos XL FN2655 GCMS

Parameter	Analyzed	Result	RDL	Units
trans-1,4-Dichloro-2-butene	02/02/98	ND	0.79	ug/L
Vinyl acetate	02/02/98	ND	1.4	ug/L

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 Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch IC 1831 (24964)

Original

Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Method Blank [54187]

Run Instrument: Manual Entry Shimadzu

Parameter	Analyzed	Result	RDL	Units
Chloride	01/22/98	ND	2.0	mg/L
Nitrate	01/22/98	ND	0.0030	mg/L

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Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch IC 1831 (24964)
Original 8000568002
Matrix Environmental Water

Analysis Method EPA 300.0

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Matrix Spike [54189] - Matrix Spike Duplicate [54190]

Parameter		Original		Pct MS/MSD		RPD		Spiked Amount	Analyzed	Instru ID
		Result	QC Result	Recov	Limits	RPD	Limits			
Chloride	MS	5.6	300	96	46-149			300mg/L	01/22/98	MAN
	MSD		290	96		0	0-20	300mg/L	01/22/98	MAN
Nitrate	MS	0.009	11	111	72-131			10mg/L	01/22/98	MAN
	MSD		11	111		0	0-20	10mg/L	01/22/98	MAN

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Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch EXTR 2392 (25023)
Original
Matrix Environmental Water

Prep Date 01/26/98 14:09
Analysis Method EDB's

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Method Blank [54313]

Run Instrument: P-E AutoGC Dual ECD[DB5,DB608]

Parameter	Analyzed	Result	RDL	Units
1,2-Dibromoethane	01/26/98	ND	0.0030	ug/L
1,2-Dibromo-3-chloropropane	01/26/98	ND	0.0027	ug/L

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FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch AUTO 4064 (25244)
Original
Matrix Environmental Water

Analysis Method EPA 350.1

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Method Blank [54383]

Run Instrument: TRAACS 2000 Autoanalyzer

Parameter	Analyzed	Result	RDL	Units
Ammonia	01/26/98	ND	0.0090	mg/L

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Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch WCGE 5796 (25307)
Original
Matrix Environmental Water

Analysis Method Residue, Filterable (TDS)

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Method Blank [54505]

Run Instrument:

Parameter	Analyzed	Result	RDL	Units
Total Dissolved Solids	01/27/98	ND	5.0	mg/L

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FDEP QAP 870174



Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch WCGE 5796 (25307)
Original 8000568001
Matrix Environmental Water

Analysis Method Residue, Filterable (TDS)

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Matrix Spike [54506] - Matrix Spike Duplicate [54507]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Total Dissolved Solids	MS	66	440	94	73-130			400mg/L	01/27/98	
	MSD		440	94		0	0-20	400mg/L	01/27/98	

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Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch MDIG 2030 (25455)
Original Matrix Environmental Water

Prep Method SW-846 Digestion 3005
Prep Date 01/28/98 16:41
Analysis Method SW-846 6010

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Method Blank [54636]

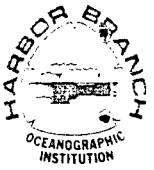
Run Instrument: ThermoJarrellAsh 61E Trace ICP

Parameter	Analyzed	Result	RDL	Units
Antimony	01/28/98	ND	0.0040	mg/L
Arsenic	01/28/98	ND	0.0032	mg/L
Barium	01/28/98	ND	0.0018	mg/L
Beryllium	01/28/98	ND	0.0010	mg/L
Cadmium	01/28/98	ND	0.00070	mg/L
Chromium	01/28/98	ND	0.0018	mg/L
Cobalt	01/28/98	ND	0.0010	mg/L
Copper	01/28/98	ND	0.0014	mg/L
Iron	01/28/98	ND	0.025	mg/L
Lead	01/28/98	ND	0.0030	mg/L
Nickel	01/28/98	ND	0.0020	mg/L
Selenium	01/28/98	ND	0.0021	mg/L
Silver	01/28/98	ND	0.0010	mg/L
Sodium	01/28/98	ND	0.50	mg/L
Vanadium	01/28/98	ND	0.00040	mg/L
Zinc	01/28/98	ND	0.050	mg/L

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Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch MDIG 2032 (25495)
Original Matrix Environmental Water

Prep Date 01/29/98 08:52
Analysis Method Mercury-Cold Vapor-Water

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Method Blank [54736]

Run Instrument: Perkin Elmer 3100

Parameter	Analyzed	Result	RDL	Units
Mercury	01/30/98	ND	0.060	ppb

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Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch MDIG 2037 (25864)
Original
Matrix Environmental Water

Prep Date 02/03/98 09:23
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Method Blank [55162]

Run Instrument: Perkin Elmer 4100 ZL

Parameter	Analyzed	Result	RDL	Units
Thallium	02/03/98	ND	0.0010	mg/L

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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Client Citrus County Central Landfill
Workorder Wells - S.A.

QC Batch MDIG 2037 (25864)
Original 8000568001
Matrix Environmental Water

Prep Date 02/03/98 09:22
Analysis Method Thallium-Furnace-Water

QC results affect the following production samples:

8000568001 8000568002 8000568003

QC results for Matrix Spike [55164] - Matrix Spike Duplicate [55165]

Parameter		Original Result	QC Result	Pct Recov	MS/MSD Limits	RPD	RPD Limits	Spiked Amount	Analyzed	Instru ID
Thallium	MS	ND	0.023	91	45-140			.025mg/L	02/03/98	PEGFAA
	MSD		0.023	93		2.2	0-20	.025mg/L	02/03/98	PEGFAA

End of Report

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