



RESOURCE RECOVERY FACILITY  
4051C00030

**PASCO COUNTY, FLORIDA**

WACS 45799  
1ST SEMI-ANNUAL 1996 LEACHATE  
MONITORING CI

DADE CITY (352) 521-4274  
LAND O' LAKES (813) 996-7341  
NEW PORT RICHEY (813) 847-8145

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

July 23, 1996

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

RECEIVED

JUL 25 1996

Solid Waste Section

RE: West Pasco Class I Sanitary Landfill  
Leachate Monitoring  
Semester I 1996

Dear Ms. Amram:

Enclosed please find the analytical results for the parameters listed in 62-701(8)(c) and 62-701(8)(d) Florida Administrative Code conducted on the four leachate tanks at the West Pasco Class I Sanitary Landfill. These results are submitted for the first semester sampling period.

If you have any questions please feel free to contact me.

Sincerely,

Candia E. Mulhern  
Laboratory Manager

CEM/as

Enclosure

cc: Chongman Lee, Florida Department of Environmental Protection, Waste Management Section,  
Twin Towers Bldg., 2600 Blair Stone Road, Tallahassee, Fl 32399-2400  
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)  
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director  
Vincent Mannella, Solid Waste Facility Manager

**Florida Department of Environmental Protection**

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

**GROUND WATER MONITORING REPORT**

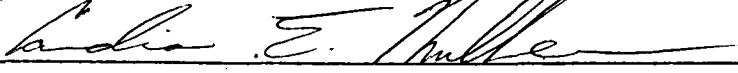
Rule 62-522.600(11)

**PART I GENERAL INFORMATION**

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

**Certification**

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

Date: 13 Feb 196   
 Signature of Owner or Authorized Representative

**PART II QUALITY ASSURANCE REQUIREMENTS**

Sample Organization Comp QAP # \_\_\_\_\_

Analytical Lab Comp QAP #/HRS Certification # 870167 G/7 54237, E44123  
 \*Comp QAP #/HRS Certification # 870202 G Potable BTL #1-86173 & 86418 Env. 86035

Lab Name Pasco County Environmental Laboratory  
 Address 8864 Government Drive, New Port Richey, FL 34654  
 Phone Number ( 813 ) 847-8902

DEP Form #	<u>62-522.900(2)</u>
Form Title	<u>GROUND WATER MONITORING REPORT</u>
Effective Date	_____
DEP Application No.	_____

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

**GROUND WATER MONITORING REPORT**  
Rule 62-522.600(11)


**PART I - GENERAL INFORMATION**

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

**Certification**

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

Date: 07/22/96

  
Signature of Owner or Authorized Representative

**PART II - QUALITY ASSURANCE REQUIREMENTS**

Sample Organization Comp QAP #

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

Lab Name: Broward Testing Laboratory

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

Phone Number: (216) 449-2525



# PASCO COUNTY, FLORIDA

## REPORT OF ANALYSES

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

*L*

PROJECT NAME: RRLEACHATEQI 96  
 DATE: 02/12/96  
 DHRS # 44237, E44123

RESOURCE RECOVERY LEACHATE - JANUARY 1996 (Page 1 of 2)

LAB No.	SAMPLE		SAMPLER	DELIVERY TO LAB	
	DATE	TIME		DATE	TIME MATRIX
43658	01/11/96	1035	CHRIS CHILDRESS	01/11/96	1430 LE
43659	01/11/96	1110	CHRIS CHILDRESS	01/11/96	1430 LE
43660	01/11/96	0952	CHRIS CHILDRESS	01/11/96	1430 LE
43661	01/11/96	1010	CHRIS CHILDRESS	01/11/96	1430 LE
CLIENT STATION ID:		A-1 <sup>7135</sup> PRIMARY	A-1 <sup>36</sup> SECONDARY	SW- <sup>37</sup> PRIMARY	SW- <sup>38</sup> SECONDARY
LAB #:		43658	43659	43660	43661
PH, FIELD	STD. UNITS	7.28	7.61	6.54	7.84
FIELD TEMP	DEGREES C	18.67	16.98	14.22	15.09
COND, FIELD	umhos/cm	11712	4170	31607	706
DO, FIELD	mg/L	0.74	4.88	1.56	4.77
BICARB. ALK	mg/l	60.1	157	127	265
TOC	mg/L	17.2	38.7	29.4	107.2
CL-	mg/L	4960	1300	12813	81.2
NH3	mg/L	7.50	0.09	13.9	0.10
NH3-UNION	mg/L	<del>0.064</del>	<0.02	<0.02	<0.02
TON	mg/L	1.35	0.68	0.80	0.92
NO2+N03	mg/l	<0.15	0.59	0.19	0.23
TN	MG/L	8.85	1.36	14.89	1.25
O+G <sup>556</sup>	mg/l	<3	<3	<3	<3
<del>PH</del>	<del>std units</del>	7.69	7.96	7.09	8.11
PHENOLS	mg/L	<0.010	<0.010	<u>0.039</u>	<0.010
TDS	mg/L	14900	3260	29200	468
<del>COND</del>	<del>umhes</del>	14580	4280	33200	739
SO4	mg/L	702	21.0	42.4	1.9
TURB	NTU	63.6	0.39	54.2	1.4

LABORATORY DIRECTOR

*Candice E. [Signature]*



# PASCO COUNTY, FLORIDA

## REPORT OF ANALYSES

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

PROJECT NAME: RRLEACHATEQI 96  
 DATE: 02/12/96  
 DHRS # 44237, E44123

RESOURCE RECOVERY LEACHATE - JANUARY 1996 (Page 2 of 2)

SAMPLE				DELIVERY TO LAB		
LAB No.	DATE	TIME	SAMPLER	DATE	TIME	MATRIX
43658	01/11/96	1035	CHRIS CHILDRESS	01/11/96	1430	LE
43659	01/11/96	1110	CHRIS CHILDRESS	01/11/96	1430	LE
43660	01/11/96	0952	CHRIS CHILDRESS	01/11/96	1430	LE
43661	01/11/96	1010	CHRIS CHILDRESS	01/11/96	1430	LE

CLIENT STATION ID:	A-1 PRIMARY	A-1 SECONDARY	SW-PRIMARY	SW-SECONDARY
LAB #:	43658	43659	43660	43661
TOX <del>78155</del> mg/l	<0.05	0.0624	<0.05	<0.05
SB/T/AA mg/L	0.026	<0.001	0.019	<0.001
AS/T/AA mg/L	0.0057	0.0010	0.0034	0.0016
BE/T/AA mg/L	<0.0005	<0.0005	<0.0005	<0.0005
CD/T/AA mg/L	<0.0005	0.0005	<0.0005	0.002
CA/T/FLAA mg/L	2500	905	6300	504
CR/T/AA mg/L	0.0016	<0.001	0.0014	<0.001
CU/T/AA mg/L	0.04	0.02	0.11	0.02
FE/T/AA mg/L	0.28	0.42	0.63	0.20
PB/T/AA mg/L	<0.001	0.0022	<0.001	0.0018
MG/T/FLAA mg/L	4.00	10.4	9.10	6.40
MN/T/AA mg/L	0.06	<0.01	0.26	<0.01
HG/T/CVAA mg/L	0.0007	<0.0005	<0.0005	<0.0005
NI/T/AA mg/L	0.16	0.07	0.33	<0.07
SE/T/AA mg/L	<0.001	<0.001	<0.001	<0.001
AG/T/AA mg/L	<0.0002	<0.0002	0.0006	<0.0002
NA/T/FLAA mg/L	930	254	2830	24.9
TL/T/AA mg/L	<0.001	<0.001	<0.001	<0.001
ZN/T/FLAA mg/L	0.03	0.02	0.05	0.03

LABORATORY DIRECTOR

**PART III - ANALYTICAL RESULTS**

Facility GMS #: \_\_\_\_\_

Sampling Date/Time: 02/08/96 11:20

Test Site ID #: \_\_\_\_\_

Report Period: \_\_\_\_\_  
(Year/Quarter)

WELL NAME: A-1-PRIMARY

Well Type: ( ) Background

Classification of Ground Water: \_\_\_\_\_

( ) Intermediate

Ground Water Elevation (NGVD): \_\_\_\_\_

( ) Compliance

or (MSL): \_\_\_\_\_

( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		µmhos/cm	µmhos/cm
01095	Antimony			EPA 204.2	02/28/96	<del>0.178</del>	0.100
01000	Arsenic			EPA 206.2	02/22/96	<del>0.009</del>	0.005
01005	Barium			EPA 208.2	02/22/96	ND	0.250
01010	Beryllium			EPA210.2	02/22/96	ND	0.010
01025	Cadmium			EPA 213.2	02/22/96	ND	0.010
01030	Chromium			EPA 218.2	02/22/96	ND	0.010
01035	Cobalt			EPA 219.2	02/22/96	ND	0.005
01040	Copper			EPA 220.1	02/22/96	ND	0.050
01049	Lead			EPA 239.2	02/22/96	ND	0.005
01065	Nickel			EPA 249.1	02/22/96	ND	0.050
01145	Selenium			EPA 270.2	02/22/96	ND	0.010
01075	Silver			EPA 272.2	02/22/96	ND	0.005
01057	Thallium			EPA 279.2	02/27/96	ND	0.005
01085	Vanadium			EPA 286.2	02/22/96	0.070	0.025
71890	Mercury			EPA 245.1	02/22/96	<del>0.0027</del>	0.0002
01100	Tin			EPA 200.7	02/21/96	ND	0.300
01090	Zinc			EPA 289.1	02/22/96	ND	0.050
00723	Cyanide			EPA 335.2	02/21/96	ND	0.010

\* Attach Laboratory Reports

## PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ( $\mu\text{g/l}$ )	Detection Limits/ Units ( $\mu\text{g/l}$ )
81552	Acetone			EPA 8260A	02/19/96	16	1.00
34215	Acrylonitrile			EPA 8260A	02/19/96	ND	5.00
34235	Benzene			EPA 8260A	02/19/96	ND	1.00
N/A	Bromochloromethane			EPA 8260A	02/19/96	ND	1.00
32101	Bromodichloromethane			EPA 8260A	02/19/96	ND	1.00
32104	Bromoform			EPA 8260A	02/19/96	ND	2.00
77041	Carbon disulfide			EPA 8260A	02/19/96	ND	1.00
32102	Carbon tetrachloride			EPA 8260A	02/19/96	ND	1.00
34301	Chlorobenzene			EPA 8260A	02/19/96	ND	1.00
34311	Chloroethane			EPA 8260A	02/19/96	ND	1.00
32106	Chloroform			EPA 8260A	02/19/96	ND	1.00
32105	Dibromochloromethane			EPA 8260A	02/19/96	ND	1.00
38761	1,2-Dibromo-3-chloropropane			EPA 8260A	02/19/96	ND	1.00
77651	1,2-Dibromoethane			EPA 8260A	02/19/96	ND	1.00
34537	o-Dichlorobenzene			EPA 8260A	02/19/96	ND	2.00
34571	p-Dichlorobenzene			EPA 8260A	02/19/96	ND	2.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/19/96	ND	1.00
34496	1,1-Dichloroethane			EPA 8260A	02/19/96	ND	2.00
32103	1,2-Dichloroethane			EPA 8260A	02/19/96	ND	2.00
34502	1,1-Dichloroethene			EPA 8260A	02/19/96	ND	1.00
81686	cis-1,2-Dichloroethene			EPA 8260A	02/19/96	ND	2.00
34546	trans-1,2-Dichloroethene			EPA 8260A	02/19/96	ND	1.00
34541	1,2-Dichloropropane			EPA 8260A	02/19/96	ND	1.00
34704	cis-1,3-Dichloropropene			EPA 8260A	02/19/96	ND	1.00
34699	trans-1,3-Dichloropropene			EPA 8260A	02/19/96	ND	1.00
78113	Ethylbenzene			EPA 8260A	02/19/96	ND	1.00
77103	2-Hexanone			EPA 8260A	02/19/96	ND	1.00
34413	Methyl bromide			EPA 8260A	02/19/96	ND	1.00

\* Attach Laboratory Reports

## PART III - ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_

Sampling Date/Time: 02/08/96 11:55

Test Site ID #: \_\_\_\_\_

Report Period: \_\_\_\_\_  
(Year/Quarter)WELL NAME: A-1-SECONDARY

Well Type: ( ) Background

Classification of Ground Water: \_\_\_\_\_

( ) Intermediate

Ground Water Elevation (NGVD): \_\_\_\_\_

( ) Compliance

or (MSL): \_\_\_\_\_

( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		$\mu$ mhos/cm	$\mu$ mhos/cm
01095	Antimony			EPA 204.2	02/28/96	<del>0.045</del>	0.010
01000	Arsenic			EPA 206.2	02/22/96	ND	0.005
01005	Barium			EPA 208.2	02/22/96	ND	0.250
01010	Beryllium			EPA210.2	02/22/96	ND	0.010
01025	Cadmium			EPA 213.2	02/22/96	ND	0.010
01030	Chromium			EPA 218.2	02/22/96	ND	0.010
01035	Cobalt			EPA 219.2	02/22/96	ND	0.005
01040	Copper			EPA 220.1	02/22/96	ND	0.050
01049	Lead			EPA 239.2	02/22/96	ND	0.005
01065	Nickel			EPA 249.1	02/22/96	ND	0.050
01145	Selenium			EPA 270.2	02/22/96	ND	0.010
01075	Silver			EPA 272.2	02/22/96	ND	0.005
01057	Thallium			EPA 279.2	02/27/96	ND	0.005
01085	Vanadium			EPA 286.2	02/22/96	0.037	0.005
71890	Mercury			EPA 245.1	02/22/96	<del>0.0004</del>	0.0002
01100	Tin			EPA 200.7	02/21/96	ND	0.300
01090	Zinc			EPA 289.1	02/22/96	0.063	0.050
00723	Cyanide			EPA 335.2	02/21/96	ND	0.010

\* Attach Laboratory Reports



SAMPLE ID 7020176 FRACTION 04A TEST CODE 8141 NAME ORGANOPHOSPHORUS PESTICIDE  
Date & Time Collected 02/08/96 11:55:00 Category LIQUID

**EPA 8141 - ORGANOPHOSPHORUS PESTICIDES**

	DETECTION	
Azinphos methyl	<u>ND</u>	<u>1.00T</u>
Bolstar	<u>ND</u>	<u>1.00</u>
Chlorpyrifos	<u>ND</u>	<u>2.50</u>
Coumaphos	<u>ND</u>	<u>1.00</u>
Demeton-o	<u>ND</u>	<u>1.00</u>
Demeton-s	<u>ND</u>	<u>1.00</u>
Diazinon	<u>ND</u>	<u>2.50</u>
Dichlorovos	<u>ND</u>	<u>1.00</u>
Dimethoate	<u>ND</u>	<u>1.00</u>
Disulfoton	<u>ND</u>	<u>1.00</u>
EPN	<u>ND</u>	<u>1.00</u>
Ethoprop	<u>ND</u>	<u>2.50</u>
Fensulfothion	<u>ND</u>	<u>1.00</u>
Fenthion	<u>ND</u>	<u>1.00</u>
Malathion	<u>ND</u>	<u>1.00</u>
Merphos	<u>ND</u>	<u>1.00</u>
Mevinphos	<u>ND</u>	<u>1.00</u>
Naled	<u>ND</u>	<u>1.00</u>
Parathion	<u>ND</u>	<u>0.500</u>
Methyl parathion	<u>ND</u>	<u>0.500</u>
Phorate	<u>ND</u>	<u>1.00</u>
Ronnel	<u>ND</u>	<u>1.00</u>
Sulfotep	<u>ND</u>	<u>1.00</u>
Tetrachlorvinphos	<u>ND</u>	<u>1.00</u>
TEPP	<u>1.7</u>	<u>1.00</u>
Tokuthion	<u>ND</u>	<u>1.00</u>
Trichloronate	<u>ND</u>	<u>1.00</u>

Surrogates	% Recovery	Surrogate Limits
1,3-DMNB	<u>56</u>	40 - 120

Notes and Definitions for this Report:

EXTRACTED: 02/15/96  
DATE RUN: 02/19/96  
ANALYST: HB  
INSTRUMENT: GC  
DIL. FACTOR: 1  
UNITS: ug/L

ND = not detected at detection limit

## PART III - ANALYTICAL RESULTS

Facility GMS #: 4051C00030Sampling Date/Time: 02/08/96 9:30

Test Site ID #: \_\_\_\_\_

Report Period: \_\_\_\_\_  
(Year/Quarter)WELL NAME: SW-PRIMARY

Well Type: ( ) Background

Classification of Ground Water: \_\_\_\_\_

( ) Intermediate

Ground Water Elevation (NGVD): \_\_\_\_\_

( ) Compliance

or (MSL): \_\_\_\_\_

( ) Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		$\mu$ mhos/cm	$\mu$ mhos/cm
01095	Antimony			EPA 204.2	02/28/96	<del>0.167</del>	0.100
01000	Arsenic			EPA 206.2	02/22/96	<del>0.016</del>	0.005
01005	Barium			EPA 208.2	02/22/96	ND	0.250
01010	Beryllium			EPA210.2	02/22/96	ND	0.010
01025	Cadmium			EPA 213.2	02/22/96	ND	0.010
01030	Chromium			EPA 218.2	02/22/96	ND	0.010
01035	Cobalt			EPA 219.2	02/22/96	ND	0.005
01040	Copper			EPA 220.1	02/22/96	<del>0.092</del>	0.050
01049	Lead			EPA 239.2	02/22/96	ND	0.005
01065	Nickel			EPA 249.1	02/22/96	<del>0.131</del>	0.050
01145	Selenium			EPA 270.2	02/22/96	ND	0.010
01075	Silver			EPA 272.2	02/22/96	ND	0.005
01057	Thallium			EPA 279.2	02/27/96	ND	0.005
01085	Vanadium			EPA 286.2	02/22/96	0.144	0.025
71890	Mercury			EPA 245.1	02/22/96	<del>0.0024</del>	0.0002
01100	Tin			EPA 200.7	02/21/96	ND	0.300
01090	Zinc			EPA 289.1	02/22/96	ND	0.050
00723	Cyanide			EPA 335.2	02/21/96	ND	0.010

\* Attach Laboratory Reports

## PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ( $\mu\text{g/l}$ )	Detection Limits/ Units ( $\mu\text{g/l}$ )
81552	Acetone			EPA 8260A	02/19/96	57	1.00
34215	Acrylonitrile			EPA 8260A	02/19/96	ND	5.00
34235	Benzene			EPA 8260A	02/19/96	ND	1.00
N/A	Bromochloromethane			EPA 8260A	02/19/96	ND	1.00
32101	Bromodichloromethane			EPA 8260A	02/19/96	ND	1.00
32104	Bromoform			EPA 8260A	02/19/96	ND	2.00
77041	Carbon disulfide			EPA 8260A	02/19/96	ND	1.00
32102	Carbon tetrachloride			EPA 8260A	02/19/96	ND	1.00
34301	Chlorobenzene			EPA 8260A	02/19/96	ND	1.00
34311	Chloroethane			EPA 8260A	02/19/96	ND	1.00
32106	Chloroform			EPA 8260A	02/19/96	ND	1.00
32105	Dibromochloromethane			EPA 8260A	02/19/96	ND	1.00
38761	1,2-Dibromo-3-chloropropane			EPA 8260A	02/19/96	ND	1.00
77651	1,2-Dibromoethane			EPA 8260A	02/19/96	ND	1.00
34537	o-Dichlorobenzene			EPA 8260A	02/19/96	ND	2.00
34571	p-Dichlorobenzene			EPA 8260A	02/19/96	ND	2.00
49263	Trans-1,4-Dichloro-2-butene			EPA 8260A	02/19/96	ND	1.00
34496	1,1-Dichloroethane			EPA 8260A	02/19/96	ND	2.00
32103	1,2-Dichloroethane			EPA 8260A	02/19/96	ND	2.00
34502	1,1-Dichloroethene			EPA 8260A	02/19/96	ND	1.00
81686	cis-1,2-Dichloroethene			EPA 8260A	02/19/96	ND	2.00
34546	trans-1,2-Dichloroethene			EPA 8260A	02/19/96	ND	1.00
34541	1,2-Dichloropropane			EPA 8260A	02/19/96	ND	1.00
34704	cis-1,3-Dichloropropene			EPA 8260A	02/19/96	ND	1.00
34699	trans-1,3-Dichloropropene			EPA 8260A	02/19/96	ND	1.00
78113	Ethylbenzene			EPA 8260A	02/19/96	ND	1.00
77103	2-Hexanone			EPA 8260A	02/19/96	ND	1.00
34413	Methyl bromide			EPA 8260A	02/19/96	ND	1.00

\* Attach Laboratory Reports

## PART III - ANALYTICAL RESULTS (Continued)

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units ( $\mu\text{g/l}$ )	Detection Limits/ Units ( $\mu\text{g/l}$ )
34418	Methyl chloride			EPA 8260A	02/19/96	ND	1.00
77596	Methylene bromide			EPA 8260A	02/19/96	ND	2.00
34423	Methylene chloride			EPA 8260A	02/19/96	ND	2.00
81595	Methyl ethyl ketone			EPA 8260A	02/19/96	4.7	1.00
49262	Methyl iodide			EPA 8260A	02/19/96	ND	2.00
78133	4-Methyl-2-pentanone			EPA 8260A	02/19/96	ND	1.00
77128	Styrene			EPA 8260A	02/19/96	ND	1.00
77562	1,1,1,2-Tetrachloroethane			EPA 8260A	02/19/96	ND	1.00
34516	1,1,1,2-Tetrachloroethane			EPA 8260A	02/19/96	ND	2.00
34476	Tetrachloroethene			EPA 8260A	02/19/96	ND	1.00
78131	Toluene			EPA 8260A	02/19/96	ND	1.00
34506	1,1,1-Trichloroethane			EPA 8260A	02/19/96	ND	2.00
34511	1,1,2-Trichloroethane			EPA 8260A	02/19/96	ND	1.00
34485	Trichloroethene			EPA 8260A	02/19/96	ND	1.00
34488	Trichlorofluoromethane			EPA 8260A	02/19/96	ND	1.00
77443	1,2,3-Trichloropropane			EPA 8260A	02/19/96	ND	2.00
77057	Vinyl acetate			EPA 8260A	02/19/96	ND	2.00
39175	Vinyl chloride			EPA 8260A	02/19/96	ND	1.00
81551	Xylenes			EPA 8260A	02/19/96	ND	2.00

\* Attach Laboratory Reports

Received: 02/12/96

Results by Sample

SAMPLE ID 7020173 / SW-10FRACTION 01A TEST CODE 8141 NAME ORGANOPHOSPHORUS PESTICIDEDate & Time Collected 02/08/96 09:30:00 Category LIQUID**EPA 8141 - ORGANOPHOSPHORUS PESTICIDES**

	DETECTION	
Azinphos methyl	ND	1.00T
Bolstar	ND	1.00
Chlorpyrifos	ND	2.50
Coumaphos	ND	1.00
Demeton-o	ND	1.00
Demeton-s	ND	1.00
Diazinon	ND	2.50
Dichlorovos	ND	1.00
Dimethoate	ND	1.00
Disulfoton	ND	1.00
EPN	ND	1.00
Ethoprop	ND	2.50
Fensulfothion	ND	1.00
Fenthion	ND	1.00
Malathion	ND	1.00
Merphos	ND	1.00
Mevinphos	ND	1.00
Naled	ND	1.00
Parathion	ND	0.500
Methyl parathion	ND	0.500
Phorate	ND	1.00
Ronnel	ND	1.00
Sulfotep	ND	1.00
Tetrachlorvinphos	ND	1.00
TEPP	2.0	1.00
Tokuthion	ND	1.00
Trichloronate	ND	1.00

Surrogates	% Recovery	Surrogate Limits
1,3-DMNB	71	40 - 120

## Notes and Definitions for this Report:

EXTRACTED: 02/15/96  
 DATE RUN: 02/19/96  
 ANALYST: HB  
 INSTRUMENT: GC  
 DIL. FACTOR: 1  
 UNITS: ug/L

ND = not detected at detection limit

Received: 02/12/96

Results by Sample

Continued From Above

SAMPLE ID 7020173FRACTION 01ATEST CODE 8270A2NAME A/BM EXTRACTABLES SOILDate & Time Collected 02/08/96 09:30:00Category LIQUID**EPA METHOD 8270A**

ANALYTE	RESULT	LIMIT	ANALYTE	RESULT	LIMIT
n-Nitroso-n-dipropylamine	ND	10.0	1,2,4-Trichlorobenzene	ND	10.0
n-Nitrosomethylethylamine	ND	10.0	2,4,5-Trichlorophenol	ND	10.0
n-Nitrosopiperidine	ND	10.0	2,4,6-Trichlorophenol	ND	10.0
n-Nitrosopyrrolidine	ND	10.0	Triethyl phosphorothioate	ND	10.0
5-Nitro-o-toluidine	ND	10.0	1,3,5-Trinitrobenzene	ND	10.0
Parathion (Parathion ethyl)	ND	10.0	Aldrin	ND	10.0
PCB's (Total)	ND	200	Alpha-BHC	ND	10.0
Pentachlorobenzene	ND	10.0	Beta-BHC	ND	10.0
Pentachloronitrobenzene	ND	10.0	Delta-BHC	ND	10.0
Pentachlorophenol	ND	10.0	Gamma-BHC (Lindane)	ND	10.0
Phenacetin	ND	10.0	4,4'-DDT	ND	10.0
Phenanthrene	ND	5.00	4,4'-DDD	ND	10.0
Phenol	16	10.0	4,4'-DDE	ND	10.0
p-Phenylenediamine	ND	10.0	Dieldrin	ND	10.0
Phorate	ND	10.0	Endosulfan I	ND	10.0
Pronamide	ND	10.0	Endosulfan II	ND	10.0
Pyrene	ND	5.00	Endosulfan Sulfate	ND	10.0
Safrole	ND	10.0	Endrin	ND	10.0
1,2,4,5-Tetrachlorobenzene	ND	10.0	Endrin aldehyde	ND	10.0
2,3,4,6-Tetrachlorophenol	ND	10.0	Heptachlor epoxide	ND	10.0
o-Toluidine	ND	10.0	Hexachlorobenzene	ND	10.0
Toxaphene	ND	10.0	Methoxychlor	ND	10.0

Surrogates	% Recovery	Surrogate Limits
2-Fluorophenol	44	21 - 110
Phenol-d5	44	10 - 110
2-Chlorophenol-d4	44	20 - 130
1,2-Dichlorobenzene-d4	28	20 - 130
Nitrobenzene-d5	49	34 - 114
2-Fluorobiphenyl	39 Q	43 - 116
2,4,6-Tribromphenol	44	10 - 123
Terphenyl-d14	17 Q	33 - 141

## Notes and Definitions for this Report:

UNITS: ug/L  
 EXTRACTED: 02/13/96  
 DATE RUN: 02/19/96  
 ANALYST: HB  
 INSTRUMENT: GC/MS  
 DIL. FACTOR: 1

ND = not detected at detection limit

## PART III - ANALYTICAL RESULTS

Facility GMS #: \_\_\_\_\_ Sampling Date/Time: 02/08/96 10:30  
02/12/96 11:30  
07/08/96 14:30

Test Site ID #: \_\_\_\_\_ Report Period: \_\_\_\_\_  
 (Year/Quarter)

WELL NAME: SW-SECONDARY Well Type: ( ) Background  
 ( ) Intermediate  
 Classification of Ground Water: \_\_\_\_\_ ( ) Compliance  
 Ground Water Elevation (NGVD): \_\_\_\_\_ ( ) Other  
 or (MSL): \_\_\_\_\_

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date	* Analysis Results/ Units (mg/l)	Detection Limits/ Units (mg/l)
00010	Temperature (field)			EPA 170.1		degree,C	degree,C
00400	pH (field)			EPA 150.1		Std.Units	Std.Units
	Water Level Elev.			NA		Ft. NGVD	Ft. NGVD
00094	Specific Cond. (field)			EPA 120.1		$\mu$ mhos/cm	$\mu$ mhos/cm
01095	Antimony			EPA 204.2	02/28/96	ND	0.010
01000	Arsenic			EPA 206.2	02/23/96	ND	0.005
01005	Barium			EPA 208.2	02/26/96	ND	0.250
01010	Beryllium			EPA210.2	02/22/96	ND	0.010
01025	Cadmium			EPA 213.2	02/22/96	ND	0.010
01030	Chromium			EPA 218.2	02/22/96	ND	0.010
01035	Cobalt			EPA 219.2	02/22/96	ND	0.005
01040	Copper			EPA 220.1	02/22/96	ND	0.050
01049	Lead			EPA 239.2	02/22/96	ND	0.005
01065	Nickel			EPA 249.1	02/22/96	ND	0.050
01145	Selenium			EPA 270.2	02/22/96	ND	0.010
01075	Silver			EPA 272.2	02/26/96	ND	0.005
01057	Thallium			EPA 279.2	02/27/96	ND	0.010
01085	Vanadium			EPA 286.2	02/22/96	0.015	0.005
71890	Mercury			EPA 245.1	07/16/96	ND	0.0002
01100	Tin			EPA 200.7	02/21/96	ND	0.300
01090	Zinc			EPA 289.1	02/22/96	ND	0.050
00723	Cyanide			EPA 335.2	02/21/96	ND	0.010

\* Attach Laboratory Reports

Received: 02/12/96

Results by Sample

SAMPLE ID 7020174 FRACTION 02A TEST CODE 8141 NAME ORGANOPHOSPHORUS PESTICIDE  
 Date & Time Collected 02/08/96 10:30:00 Category LIQUID

**EPA 8141 - ORGANOPHOSPHORUS PESTICIDES**

	DETECTION	
Azinphos methyl	ND	1.00T
Bolstar	ND	1.00
Chlorpyrifos	ND	2.50
Coumaphos	ND	1.00
Demeton-o	ND	1.00
Demeton-s	ND	1.00
Diazinon	ND	2.50
Dichlorovos	ND	1.00
Dimethoate	ND	1.00
Disulfoton	ND	1.00
EPN	ND	1.00
Ethoprop	ND	2.50
Fensulfothion	ND	1.00
Fenthion	ND	1.00
Malathion	ND	1.00
Merphos	ND	1.00
Mevinphos	ND	1.00
Naled	ND	1.00
Parathion	ND	0.500
Methyl parathion	ND	0.500
Phorate	ND	1.00
Ronnel	ND	1.00
Sulfotep	ND	1.00
Tetrachlorvinphos	ND	1.00
TEPP	4.5	1.00
Tokuthion	ND	1.00
Trichloronate	ND	1.00

Surrogates	% Recovery	Surrogate Limits
1,3-DMNB	55	40 - 120

## Notes and Definitions for this Report:

EXTRACTED: 02/15/96  
 DATE RUN: 02/19/96  
 ANALYST: HB  
 INSTRUMENT: GC  
 DIL. FACTOR: 1  
 UNITS: ug/L

ND = not detected at detection limit