

Hillsborough County
Florida

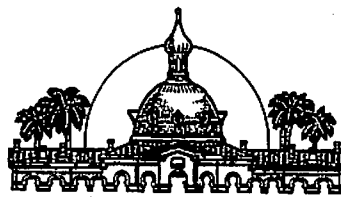
ANALYTICAL DATA REPORT

AUGUST 2003

SOUTHEAST COUNTY LANDFILL HILLSBOROUGH COUNTY, FLORIDA

**Hillsborough County
Solid Waste Management Department
Management & Environmental Services Section
P.O. Box 1110
Tampa, Florida 33601**

October 27, 2003



Hillsborough County
Florida

Office of the County Administrator
Daniel A. Kleman

BOARD OF COUNTY COMMISSIONERS

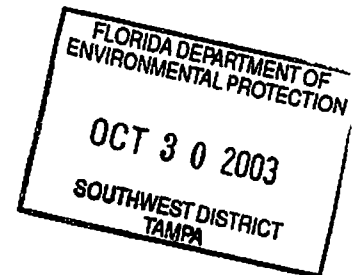
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October 27, 2003

Mr. John Morris, P.G.
Department of Environmental Protection
Southwest District
Solid Waste Section
3804 Coconut Palm Drive
Tampa, FL 33619-8318



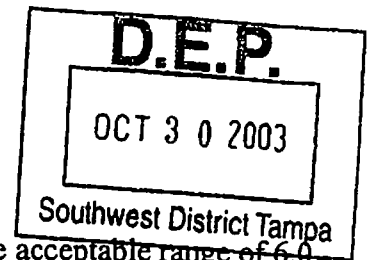
**Re: Southeast County Landfill
Operations Permit No. 35435-006-SO
Semi-Annual Analytical Data Report, August 2003**

Dear Mr. Morris:

In accordance with Landfill Operation Permit No. 35435-006-SO, the Hillsborough County Solid Waste Management Department (SWMD) is pleased to provide the August, 2003 analytical data report (ADR) for the semi-annual water quality monitoring at the Southeast County Landfill. Samples were collected by the SWMD from August 11 through August 14, 2003. A problem with the Dissolved Oxygen (DO) meter was encountered during this sampling event, and the problem was not clearly identified until the event was completed. Therefore, no valid DO data was recorded during the collection of the samples, and the water quality data summary tables reflect this as ND for no data collected.

The water quality observed across the Southeast County Landfill (SCLF) remains consistent with the historical data set. The surficial aquifer monitoring wells continue to exhibit pH values below the acceptable range of 6.5 to 8.5 pH units, and iron is observed above the secondary drinking water standard of .300 milligrams per liter (mg/l) in the surficial aquifer background water quality and detection monitoring wells. Iron and pH are consistently observed to exceed the Secondary Drinking Water Standards within the surficial aquifer, and the SWMD maintains the position that the pH and iron can be attributable to the previous use of the property as phosphate mining and processing. All of the other parameters tested were observed to be within standards.

Mr. John Morris, P.G.
October 27, 2003
Page 2



Surface water quality at site 3A continues to exhibit a pH value below the acceptable range of 6.0 to 8.5 pH units (Ch 62-302) with a value of 5.94. The turbidity values recorded in the three surface water sites have continued to be within the standard of 29 nephelometric turbidity units (NTU) above the background level. A detailed report of the turbidity readings recorded and an evaluation of the effectiveness of the storm water management system improvements implemented at the SCLF was submitted to Ms. Stephanie Petro on October 1, 2003. All future reporting of turbidity readings recorded at the SCLF shall be submitted within each semi-annual ADR.

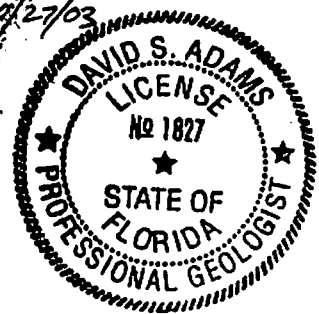
The four private wells sampled during this event were observed to exhibit water quality consistent with their historical data set. The Weeks' well had iron at .610 mg/l and radium 226 at 8 picocuries per liter (pCi/l). Both of these constituents are above their respective standards of .3 mg/l and 5 pCi/l. The Holland well exhibited iron at 1.6 mg/l which is also above the .3 mg/l standard.

Enclosed for your review are a detailed site location map, the analytical data summary tables, a groundwater elevation data summary table, a surficial aquifer groundwater elevation contour diagram, copies of the letters sent to the owners of the private wells, a data summary table for the private wells, and the complete laboratory analytical data report sheets.

Should you have any questions or require any additional information, please feel free to contact me directly at (813) 276-2944.

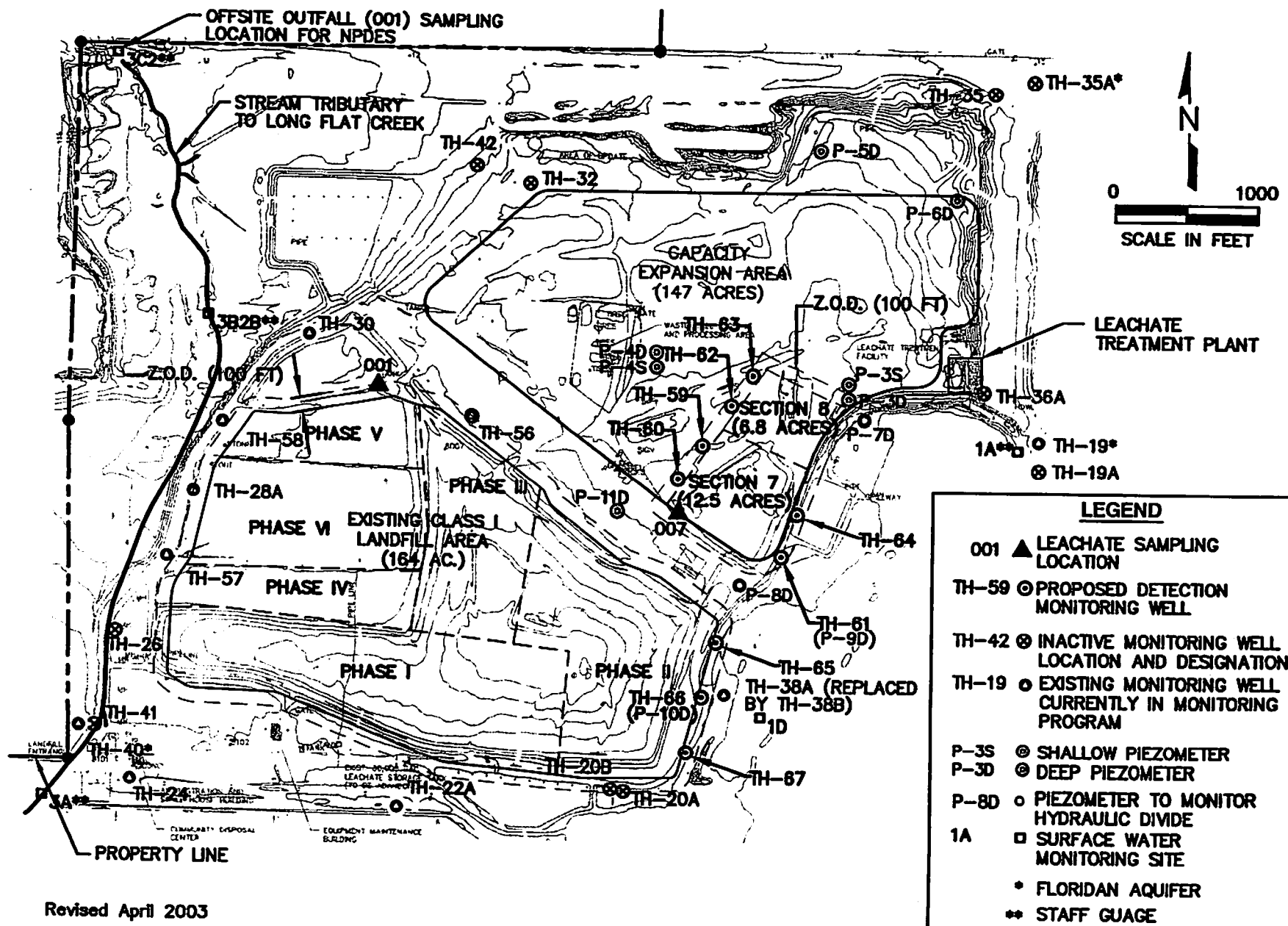
Sincerely,


David S. Adams, P.G.
Environmental Manager
Solid Waste Management



DSA/mdt
Enclosures

xc: Daryl Smith, Director, SWMD, w/o enclosures
Patricia Berry, Section Manager, SWMD, w/o enclosures
Matt Matthews, Landfill Manager, SWMD
Ernest Ely, Landfill Manager, WM, Southeast Landfill
Carolyn McCreedy, Engineer, WM, Southeast Landfill
Larry Ruiz, Project Manager, SCS Engineers
Chongman Lee, Department of Environmental Protection
Paul Schipfer, Environmental Protection Commission
Irene Barnes, Southeast Hillsborough Civic Association



LEGEND

- 001 ▲ LEACHATE SAMPLING LOCATION
- TH-59 ⊙ PROPOSED DETECTION MONITORING WELL
- TH-42 ⊙ INACTIVE MONITORING WELL LOCATION AND DESIGNATION
- TH-19 ⊙ EXISTING MONITORING WELL CURRENTLY IN MONITORING PROGRAM
- P-3S ⊙ SHALLOW PIEZOMETER
- P-3D ⊙ DEEP PIEZOMETER
- P-8D ⊙ PIEZOMETER TO MONITOR HYDRAULIC DIVIDE
- 1A □ SURFACE WATER MONITORING SITE
- * FLORIDAN AQUIFER
- ** STAFF GAUGE

Revised April 2003

Southeast County Landfill
Site Location Map

Analytical Results from Surface Water Samples Collected at Southeast Landfill August 11, 2003

GENERAL					(MCL) STANDARD
PARAMETERS	3A	3B2B	3C2	Smith Lake	F.A.C. 62-302
conductivity (umhos/cm) (field)	245	220	205	190	1275
pH (field)	5.94	6.52	6.67	6.51	(6.5 - 8.5)
total dissolved solids (mg/l)	170	170	160	130	NS
total suspended solids (mg/l)	3	7.5	7	40	NS
temperature (°C) in field	24.30	24.26	25.28	26.31	NS
turbidity (field) (NTU)	3.10	4.2	0.47	2.45	29
nitrate (mg/l)	0.81	0.52	0.25	0.19	NS
nitrogen, kjedhal, total (mg/l)	0.60	0.59	0.71	2	NS
nitrogen, nitrate-nitrite (mg/l)	0.80	0.52	0.25	0.02	NS
dissolved oxygen (mg/l) (field)	ND	ND	ND	ND	Must Be > OR=5.0
total phosphorous (mg/l)	0.03	0.8	1	2.4	NS
biochem. oxygen demand (mg/l)	BDL	BDL	BDL	8	NS
chemical oxygen demand (mg/l)	30	38	54	68	NS
total organic carbon (mg/l as C)	9.1	12	14	20	NS
chlorophyll-A (mg/m3)	1.9	BDL	8.6	210	NS
total hardness (mg/l as CaCO)	84	79	74	73	NS
fecal coliform (Col/100ml)	550	450	BDL	160	800
	3A	3B2B	3C2	Smith Lake	(MCL) STANDARD F.A.C. 62-302
Metals: (mg/l)					
Iron	0.150	0.430	0.410	0.230	1
copper	0.002	0.002	0.002	0.001	**
barium	0.022	0.019	0.011	0.006	NS
beryllium	BDL	BDL	BDL	BDL	1.3
lead	BDL	BDL	BDL	BDL	*****
vanadium	0.001	0.003	0.003	0.002	NS
chromium	0.001	0.002	0.002	0.001	***
nickel	BDL	BDL	BDL	BDL	****
zinc	0.02	0.009	0.008	0.007	*=105.99
cadmium	BDL	BDL	BDL	BDL	*****
mercury	BDL	BDL	BDL	BDL	0.000012
Organics: (µg/l)					
E.P.A. Methods 8260					(MCL) STANDARD
Organic Parameters Detected	3A	3B2B	3C2	Smith Lake	F.A.C. 62-550
toluene	BDL	BDL	BDL	0.500	100
methylene chloride	BDL	BDL	BDL	BDL	5
NOTE: Water Levels taken on August 17, 1998					
NOTE: Referenced, Surface Water Quality Standards Title 62 Chapter 62-302, Class III: Fresh					
NS= NO STANDARD					
MCL= MAXIMUM CONTAMINANT LEVEL					
BDL= BELOW DETECTION LIMIT					
*= Zn< or =e(0.8473[lnH]+0.7614), note: H=Hardness, for 3A standard is 105.99					
**= Cu< or =e(0.8545[lnH]-1.465)					
***= Cr< or =e(0.819[lnH]+1.561)					
****= Ni< or =e(0.846[lnH]+1.1645)					
*****= Pb<=e(1.273[lnH]-4.705)					
*****= Ca<or =e(0.7852[lnH]-3.49)					
5.94: EXCEEDS CHAPTER 62-302 SURFACE WATER QUALITY STANDARDS					
NTU= NEPHELOMETRIC TURBIDITY UNITS					
µg/l= MICROGRAMS PER LITER					
mg/l= MILLIGRAMS PER LITER					

Prepared by: Mike Townsel

QC'd by: Jim Clayton

Final QC by: David Adams

SELF8-2003

Groundwater and Surface Water Elevation For Southeast County Landfill

August 13, 2003

Measuring Point	T.O.C. Elevations	08/13/2003	
I.D.	(NGVD)	B.T.O.C.	W.L. (NGVD)
P-3D	143.19	17.18	126.01
P-3S	143.20	5.84	137.36
P-4D	141.80	19.85	121.95
P-4S	141.98	3.96	138.02
P-5D	152.93	Dry	Dry
P-6DA	147.41	20.64	126.77
P-7D	138.18	13.99	124.19
P-8D	138.72	15.14	123.58
P-9D	138.25	14.04	124.21
P-10D	130.06	5.47	124.59
P-11D	137.28	14.00	123.28
TH-20A	131.86	7.16	124.70
TH-20B	132.57	8.15	124.42
TH-22	128.82	4.27	124.55
TH-22A	129.26	4.89	124.37
TH-24A	128.23	3.65	124.58
TH-26	125.65	Dry	Dry
TH-28A	128.46	27.41	101.05
TH-30	128.37	23.52	104.85
TH-32	129.25	13.64	115.61
TH-35	145.19	26.05	119.14
TH-36A	152.70	30.95	121.75
TH-38B	131.61	8.24	123.37
TH-56	131.69	12.70	118.99
TH-57	128.09	18.83	109.26
TH-58	127.67	27.41	100.26
TH-19*	130.05	87.79	42.26
TH-40*	124.77	83.56	41.21
TH-41*	125.00	86.35	38.65
TH-42*	116.74	65.78	50.96
SW-3A	3.0'=125.2'	1.56	123.76
SW-3B2B	3.0'=98.06'	1.90	96.96
SW-3C2	6.0'=96.22	2.18	92.40
1-D Smth Lake	6.0'=124.73'	3.50	122.23
NGVD = National Geodetic Vertical Datum			
T.O.C. = Top of Casing			
B.T.O.C. = Below Top of Casing			
* = Floridan Well			
** = To be surveyed in			
ND = No Data			
W.L. = Water Level			

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-001

Facility WACS: 35435-006-SO

Sample Date/Time: 8/11/03 11:05:00 AM

Well/Sampling Point WACS: Equip Blank

Report Period: August 2003

Well/Sampling Point Name: Equip Blank

Well Purged: YES

Classification of Groundwater: 0

Well Type: Surface

Ground Water Elevation: (NGVD):

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
71900	Mercury	Grab	N	SW7470	8/19/03	0.036	U	µg/L	0.036
01059	Thallium	Grab	N	SW7841	8/25/03	0.3	I	µg/L	0.25
ORGANICS									
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/19/03	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/19/03	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	8/13/03	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	8/13/03	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	8/13/03	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	8/13/03	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	8/13/03	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	8/13/03	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	8/13/03	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	8/13/03	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	8/13/03	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	8/13/03	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	8/13/03	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	8/13/03	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	8/13/03	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	8/13/03	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	8/13/03	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	8/13/03	0.13	U	µg/L	0.13
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	8/13/03	0.14	U	µg/L	0.14
34536	1,2-Dichlorobenzene	Grab	N	SW8260	8/13/03	0.18	U	µg/L	0.18
34571	1,4-Dichlorobenzene	Grab	N	SW8260	8/13/03	0.10	U	µg/L	0.10
34496	1,1-Dichloroethane	Grab	N	SW8260	8/13/03	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	8/13/03	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	8/13/03	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	8/13/03	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	8/13/03	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	8/13/03	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	8/13/03	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	8/13/03	0.11	U	µg/L	0.11

Data I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Qualifier

Code Key:

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-001

Facility WACS: 35435-006-SO

Sample Date/Time: 8/11/03 11:05:00 AM

Well/Sampling Point WACS: Equip Blank

Report Period: August 2003

Well/Sampling Point Name: Equip Blank

Well Purged: YES

Classification of Groundwater: 0

Well Type: Surface

Ground Water Elevation: (NGVD):

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34371	Ethylbenzene	Grab	N	SW8260	8/13/03	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	8/13/03	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	8/13/03	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	8/13/03	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	8/13/03	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	8/13/03	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	8/13/03	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	8/13/03	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	8/13/03	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	8/13/03	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	8/13/03	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	8/13/03	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	8/13/03	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	8/13/03	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	8/13/03	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	8/13/03	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	8/13/03	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	8/13/03	0.29	U	µg/L	0.29

Data Qualifier Code Key: I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256**Sample Number:** F03080256-002

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 11:05:00 AM
Well/Sampling Point WACS:	Smith Lake	Report Period:	August 2003
Well/Sampling Point Name:	Smith Lake	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
FIELD									
	Conductivity	Grab	N	FLD	8/11/03	190		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	8/11/03	4.6		mg/L	
	pH	Grab	N	FLD	8/11/03	6.51		S.U.	
	Temperature	Grab	N	FLD	8/11/03	26.31		deg C	
	Turbidity	Grab	N	FLD	8/11/03	2.45		NTU	
INORGANICS									
00095	Conductance, Specific	Grab	N	E120.1	8/14/03	181		umhos/c	1.00
00403	pH	Grab	N	E150.1	8/12/03	5.73		pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	8/18/03	130		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	8/13/03	40		mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	8/12/03	0.19		mg/L	0.032
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	8/14/03	2.0		mg/L	0.11
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	8/14/03	0.02	I	mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	8/14/03	2.4		mg/L	0.020
00310	Biochemical Oxygen Demand	Grab	N	E405.1	8/18/03	8		mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	8/18/03	68		mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	8/19/03	20		mg/L	0.42
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	8/13/03	ND	U	mg/L	
32211	Chlorophyll a	Grab	N	SM10200	8/21/03	210		mg/m ³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	8/21/03	2.0		mg/L	
METALS									
01002	Arsenic	Grab	N	SW6010	8/15/03	2.0	U	ug/L	2.0
01007	Barium	Grab	N	SW6010	8/15/03	6	I	ug/L	0.074
01012	Beryllium	Grab	N	SW6010	8/15/03	0.12	U	ug/L	0.12
01027	Cadmium	Grab	N	SW6010	8/15/03	0.24	U	ug/L	0.24
01034	Chromium	Grab	N	SW6010	8/15/03	1	I	ug/L	0.60
01037	Cobalt	Grab	N	SW6010	8/15/03	3	I	ug/L	1.5
01042	Copper	Grab	N	SW6010	8/15/03	1	I	ug/L	0.58
01045	Iron	Grab	N	SW6010	8/15/03	230		ug/L	13
01051	Lead	Grab	N	SW6010	8/15/03	1.8	U	ug/L	1.8

Data Qualifier I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Code Key:

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-002

Facility WACS: 35435-006-SO

Sample Date/Time: 8/11/03 11:05:00 AM

Well/Sampling Point WACS: Smith Lake

Report Period: August 2003

Well/Sampling Point Name: Smith Lake

Well Purged: YES

Classification of Groundwater:

Well Type: Surface

Ground Water Elevation: (NGVD):

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
01067	Nickel	Grab	N	SW6010	8/15/03	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	8/15/03	4.0	U	µg/L	4.0
01077	Silver	Grab	N	SW6010	8/15/03	1.4	U	µg/L	1.4
01087	Vanadium	Grab	N	SW6010	8/15/03	2	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	8/15/03	7	I	µg/L	2.3
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	8/15/03	73000		µg/L	
01097	Antimony	Grab	N	SW7041	8/25/03	0.35	U	µg/L	0.35
71900	Mercury	Grab	N	SW7470	8/19/03	0.036	U	µg/L	0.036
01059	Thallium	Grab	N	SW7841	8/25/03	0.5	I	µg/L	0.25

MICRO

31612	Fecal Coliform (MF)	Grab	N	SM9222	8/11/03	160		CFU/100	
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ORGANICS

49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/19/03	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/19/03	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	8/14/03	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	8/14/03	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	8/14/03	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	8/14/03	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34536	1,2-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.18	U	µg/L	0.18

Data Qualifier I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Code Key:

**Southwest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-002

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 11:05:00 AM
Well/Sampling Point WACS:	Smith Lake	Report Period:	August 2003
Well/Sampling Point Name:	Smith Lake	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34571	1,4-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34496	1,1-Dichloroethane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	8/14/03	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	8/14/03	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	8/14/03	0.5	I	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	8/14/03	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	8/14/03	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29

Data
Qualifier
Code Key:

I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

**Southwest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-003

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 10:35:00 AM
Well/Sampling Point WACS:	Surf Site 3A	Report Period:	August 2003
Well/Sampling Point Name:	Surf Site 3A	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
FIELD									
	Conductivity	Grab	N	FLD	8/11/03	245		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	8/11/03	37.5		mg/L	
	pH	Grab	N	FLD	8/11/03	5.94		S.U.	
	Temperature	Grab	N	FLD	8/11/03	24.30		deg C	
	Turbidity	Grab	N	FLD	8/11/03	3.10		NTU	
INORGANICS									
00095	Conductance, Specific	Grab	N	E120.1	8/14/03	233		umhos/c	1.00
00403	pH	Grab	N	E150.1	8/12/03	5.83		pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	8/18/03	170		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	8/13/03	3	I	mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	8/12/03	0.81		mg/L	0.016
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	8/14/03	0.60		mg/L	0.056
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	8/14/03	0.80		mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	8/14/03	0.03	I	mg/L	0.010
00310	Biochemical Oxygen Demand	Grab	N	E405.1	8/18/03	2.0	U	mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	8/18/03	30		mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	8/19/03	9.1		mg/L	0.42
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	8/13/03	ND	U	mg/L	
32211	Chlorophyll a	Grab	N	SM10200	8/21/03	1.9		mg/m ³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	8/21/03	1.4		mg/L	
METALS									
01002	Arsenic	Grab	N	SW6010	8/15/03	2.0	U	ug/L	2.0
01007	Barium	Grab	N	SW6010	8/15/03	22		ug/L	0.074
01012	Beryllium	Grab	N	SW6010	8/15/03	0.12	U	ug/L	0.12
01027	Cadmium	Grab	N	SW6010	8/15/03	0.24	U	ug/L	0.24
01034	Chromium	Grab	N	SW6010	8/15/03	1	I	ug/L	0.60
01037	Cobalt	Grab	N	SW6010	8/15/03	3	I	ug/L	1.5
01042	Copper	Grab	N	SW6010	8/15/03	2	I	ug/L	0.58
01045	Iron	Grab	N	SW6010	8/15/03	150		ug/L	13
01051	Lead	Grab	N	SW6010	8/15/03	1.8	U	ug/L	1.8

Data Qualifier Code Key: I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-003

Facility WACS: 35435-006-SO

Sample Date/Time: 8/11/03 10:35:00 AM

Well/Sampling Point WACS: Surf Site 3A

Report Period: August 2003

Well/Sampling Point Name: Surf Site 3A

Well Purged: YES

Classification of Groundwater:

Well Type: Surface

Ground Water Elevation: (NGVD):

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
01067	Nickel	Grab	N	SW6010	8/15/03	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	8/15/03	4.0	U	µg/L	4.0
01077	Silver	Grab	N	SW6010	8/15/03	1.4	U	µg/L	1.4
01087	Vanadium	Grab	N	SW6010	8/15/03	1	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	8/15/03	20	I	µg/L	2.3
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	8/15/03	84000		µg/L	
01097	Antimony	Grab	N	SW7041	8/25/03	0.35	U	µg/L	0.35
71900	Mercury	Grab	N	SW7470	8/19/03	0.036	U	µg/L	0.036
01059	Thallium	Grab	N	SW7841	8/25/03	0.25	U	µg/L	0.25
MICRO									
31612	Fecal Coliform (MF)	Grab	N	SM9222	8/11/03	550		CFU/100	
ORGANICS									
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/19/03	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/19/03	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	8/14/03	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	8/14/03	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	8/14/03	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	8/14/03	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34536	1,2-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.18	U	µg/L	0.18

Data I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Qualifier

Code Key:

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256**Sample Number:** F03080256-003

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 10:35:00 AM
Well/Sampling Point WACS:	Surf Site 3A	Report Period:	August 2003
Well/Sampling Point Name:	Surf Site 3A	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34571	1,4-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34496	1,1-Dichloroethane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	8/14/03	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	8/14/03	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	8/14/03	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	8/14/03	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29

Data I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Qualifier**Code Key:**

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256**Sample Number:** F03080256-004

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 12:08:00 PM
Well/Sampling Point WACS:	Surf Site 3B2B	Report Period:	August 2003
Well/Sampling Point Name:	Surf Site 3B2B	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
FIELD									
	Conductivity	Grab	N	FLD	8/11/03	220		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	8/11/03	70.5		mg/L	
	pH	Grab	N	FLD	8/11/03	6.52		S.U.	
	Temperature	Grab	N	FLD	8/11/03	24.26		deg C	
	Turbidity	Grab	N	FLD	8/11/03	4.20		NTU	
INORGANICS									
00095	Conductance, Specific	Grab	N	E120.1	8/14/03	211		umhos/c	1.00
00403	pH	Grab	N	E150.1	8/12/03	5.96		pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	8/18/03	170		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	8/13/03	7.5		mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	8/12/03	0.52		mg/L	0.032
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	8/14/03	0.59		mg/L	0.056
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	8/14/03	0.52		mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	8/14/03	0.80		mg/L	0.010
00310	Biochemical Oxygen Demand	Grab	N	E405.1	8/18/03	2.0	U	mg/L	2.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	8/18/03	38		mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	8/19/03	12		mg/L	0.42
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	8/13/03	ND	U	mg/L	
32211	Chlorophyll a	Grab	N	SM10200	8/21/03	1.0	U	mg/m³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	8/21/03	1.1		mg/L	
METALS									
01002	Arsenic	Grab	N	SW6010	8/15/03	2.0	U	µg/L	2.0
01007	Barium	Grab	N	SW6010	8/15/03	19		µg/L	0.074
01012	Beryllium	Grab	N	SW6010	8/15/03	0.12	U	µg/L	0.12
01027	Cadmium	Grab	N	SW6010	8/15/03	0.24	U	µg/L	0.24
01034	Chromium	Grab	N	SW6010	8/15/03	2	I	µg/L	0.60
01037	Cobalt	Grab	N	SW6010	8/15/03	3	I	µg/L	1.5
01042	Copper	Grab	N	SW6010	8/15/03	2	I	µg/L	0.58
01045	Iron	Grab	N	SW6010	8/15/03	430		µg/L	13
01051	Lead	Grab	N	SW6010	8/15/03	1.8	U	µg/L	1.8

Data I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Qualifier**Code Key:**

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256**Sample Number:** F03080256-004

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 12:08:00 PM
Well/Sampling Point WACS:	Surf Site 3B2B	Report Period:	August 2003
Well/Sampling Point Name:	Surf Site 3B2B	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
01067	Nickel	Grab	N	SW6010	8/15/03	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	8/15/03	4.0	U	µg/L	4.0
01077	Silver	Grab	N	SW6010	8/15/03	1.4	U	µg/L	1.4
01087	Vanadium	Grab	N	SW6010	8/15/03	3	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	8/15/03	9	I	µg/L	2.3
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	8/15/03	79000		µg/L	
01097	Antimony	Grab	N	SW7041	8/25/03	0.35	U	µg/L	0.35
71900	Mercury	Grab	N	SW7470	8/19/03	0.036	U	µg/L	0.036
01059	Thallium	Grab	N	SW7841	8/25/03	0.25	U	µg/L	0.25

MICRO

31612	Fecal Coliform (MF)	Grab	N	SM9222	8/11/03	450		CFU/100	
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ORGANICS

49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/19/03	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/19/03	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	8/14/03	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	8/14/03	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	8/14/03	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	8/14/03	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34536	1,2-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.18	U	µg/L	0.18

Data I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Qualifier

Code Key:

**Southwest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256**Sample Number:** F03080256-004

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 12:08:00 PM
Well/Sampling Point WACS:	Surf Site 3B2B	Report Period:	August 2003
Well/Sampling Point Name:	Surf Site 3B2B	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34571	1,4-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34496	1,1-Dichloroethane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	8/14/03	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	8/14/03	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	8/14/03	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	8/14/03	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29

Data Qualifier Code Key:

I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-005

Facility WACS: 35435-006-SO

Sample Date/Time: 8/11/03 11:45:00 AM

Well/Sampling Point WACS: Surf Site 3C2

Report Period: August 2003

Well/Sampling Point Name: Surf Site 3C2

Well Purged: YES

Classification of Groundwater:

Well Type: Surface

Ground Water Elevation: (NGVD):

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
FIELD									
	Conductivity	Grab	N	FLD	8/11/03	205		umhos/c	
	Dissolved Oxygen	Grab	N	FLD	8/11/03	57.6		mg/L	
	pH	Grab	N	FLD	8/11/03	6.67		S.U.	
	Temperature	Grab	N	FLD	8/11/03	25.28		deg C	
	Turbidity	Grab	N	FLD	8/11/03	0.47		NTU	
INORGANICS									
00095	Conductance, Specific	Grab	N	E120.1	8/14/03	205		umhos/c	1.00
00403	pH	Grab	N	E150.1	8/12/03	6.53		pH units	
70300	Solids, Total Dissolved	Grab	N	E160.1	8/18/03	160		mg/L	1.2
00530	Solids, Suspended (Residue, Non-	Grab	N	E160.2	8/13/03	7.0		mg/L	0.77
00620	Nitrogen, Nitrate	Grab	N	E300.0	8/12/03	0.25		mg/L	0.016
00625	Nitrogen, Kjeldahl, Total	Grab	N	E351.2	8/14/03	0.71		mg/L	0.056
00630	Nitrogen, Nitrate-Nitrite	Grab	N	E353.2	8/14/03	0.25		mg/L	0.0060
00665	Phosphorus, Total (as P)	Grab	N	E365.4	8/14/03	1.0		mg/L	0.010
00310	Biochemical Oxygen Demand	Grab	N	E405.1	8/18/03	3.0	U	mg/L	3.0
00340	Chemical Oxygen Demand	Grab	N	E410.4	8/18/03	54		mg/L	3.4
00680	Organic Carbon, Total	Grab	N	E415.1	8/19/03	14		mg/L	0.42
00612	Nitrogen, Ammonia (Unionized)	Grab	N	FL-DEP	8/13/03	ND	U	mg/L	
32211	Chlorophyll a	Grab	N	SM10200	8/21/03	8.6		mg/m ³	1.0
00600	Nitrogen, Total	Grab	N	SM4500-	8/21/03	0.96		mg/L	
METALS									
01002	Arsenic	Grab	N	SW6010	8/15/03	2.0	U	µg/L	2.0
01007	Barium	Grab	N	SW6010	8/15/03	11		µg/L	0.074
01012	Beryllium	Grab	N	SW6010	8/15/03	0.12	U	µg/L	0.12
01027	Cadmium	Grab	N	SW6010	8/15/03	0.24	U	µg/L	0.24
01034	Chromium	Grab	N	SW6010	8/15/03	2	I	µg/L	0.60
01037	Cobalt	Grab	N	SW6010	8/15/03	3	I	µg/L	1.5
01042	Copper	Grab	N	SW6010	8/15/03	2	I	µg/L	0.58
01045	Iron	Grab	N	SW6010	8/15/03	410		µg/L	13
01051	Lead	Grab	N	SW6010	8/15/03	1.8	U	µg/L	1.8

Data Qualifier I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Code Key:

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-005

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 11:45:00 AM
Well/Sampling Point WACS:	Surf Site 3C2	Report Period:	August 2003
Well/Sampling Point Name:	Surf Site 3C2	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
01067	Nickel	Grab	N	SW6010	8/15/03	2.0	U	µg/L	2.0
01147	Selenium	Grab	N	SW6010	8/15/03	4.0	U	µg/L	4.0
01077	Silver	Grab	N	SW6010	8/15/03	1.4	U	µg/L	1.4
01087	Vanadium	Grab	N	SW6010	8/15/03	3	I	µg/L	0.40
01092	Zinc	Grab	N	SW6010	8/15/03	8	I	µg/L	2.3
00900	Hardness, Total (as CaCO3)	Grab	N	SW6010	8/15/03	74000		µg/L	
01097	Antimony	Grab	N	SW7041	8/25/03	0.35	U	µg/L	0.35
71900	Mercury	Grab	N	SW7470	8/19/03	0.036	U	µg/L	0.036
01059	Thallium	Grab	N	SW7841	8/25/03	0.25	U	µg/L	0.25
MICRO									
31612	Fecal Coliform (MF)	Grab	N	SM9222	8/11/03	ND	U	CFU/100	
ORGANICS									
49146	1,2-Dibromo-3-chloropropane	Grab	N	SW8011	8/19/03	0.0041	U	µg/L	0.0041
77651	Ethylene Dibromide	Grab	N	SW8011	8/19/03	0.0038	U	µg/L	0.0038
81552	Acetone	Grab	N	SW8260	8/14/03	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	8/14/03	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	8/14/03	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	8/14/03	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34536	1,2-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.18	U	µg/L	0.18

Data I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Qualifier

Code Key:

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-005

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03 11:45:00 AM
Well/Sampling Point WACS:	Surf Site 3C2	Report Period:	August 2003
Well/Sampling Point Name:	Surf Site 3C2	Well Purged:	YES
Classification of Groundwater:		Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34571	1,4-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34496	1,1-Dichloroethane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	8/14/03	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	8/14/03	0.21	U	µg/L	0.21
34423	Methylene chloride	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77128	Styrene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	8/14/03	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	8/14/03	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29

Data Qualifier Code Key:

I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

**Southest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-006

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03
Well/Sampling Point WACS:	Travel Blank	Report Period:	August 2003
Well/Sampling Point Name:	Travel Blank	Well Purged:	YES
Classification of Groundwater:	0	Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
ORGANICS									
81552	Acetone	Grab	N	SW8260	8/14/03	0.91	U	µg/L	0.91
34215	Acrylonitrile	Grab	N	SW8260	8/14/03	0.93	U	µg/L	0.93
34030	Benzene	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
73085	Bromochloromethane	Grab	N	SW8260	8/14/03	0.22	U	µg/L	0.22
32101	Bromodichloromethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
32104	Bromoform	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34413	Bromomethane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
81595	2-Butanone	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29
77041	Carbon disulfide	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
32102	Carbon tetrachloride	Grab	N	SW8260	8/14/03	0.25	U	µg/L	0.25
34301	Chlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34311	Chloroethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
32106	Chloroform	Grab	N	SW8260	8/14/03	0.28	U	µg/L	0.28
34418	Chloromethane	Grab	N	SW8260	8/14/03	0.31	U	µg/L	0.31
32105	Dibromochloromethane	Grab	N	SW8260	8/14/03	0.16	U	µg/L	0.16
77596	Dibromomethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
77268	trans-1,4-Dichloro-2-butene	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34536	1,2-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.18	U	µg/L	0.18
34571	1,4-Dichlorobenzene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34496	1,1-Dichloroethane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
34531	1,2-Dichloroethane	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34501	1,1-Dichloroethene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
77093	cis-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34546	trans-1,2-Dichloroethene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
34541	1,2-Dichloropropane	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
34704	cis-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.070	U	µg/L	0.070
34699	trans-1,3-Dichloropropene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34371	Ethylbenzene	Grab	N	SW8260	8/14/03	0.12	U	µg/L	0.12
77103	2-Hexanone	Grab	N	SW8260	8/14/03	0.26	U	µg/L	0.26
77424	Iodomethane	Grab	N	SW8260	8/14/03	0.38	U	µg/L	0.38
81596	4-Methyl-2-pentanone	Grab	N	SW8260	8/14/03	0.21	U	µg/L	0.21

Data I Analyte detected below quantitation limits

U Not Detected at the Reporting Limit

Qualifier

Code Key:

**Southwest Landfill Well Monitoring Program****PARAMETER MONITORING REPORT**

Ground Water (Rule 62-520.400, .420, .460)

Surface Water (Rule 62-302.500, .510, .503)

Leachate (Rule 62-701.510)

LAB Submission Number: F03080256

Sample Number: F03080256-006

Facility WACS:	35435-006-SO	Sample Date/Time:	8/11/03
Well/Sampling Point WACS:	Travel Blank	Report Period:	August 2003
Well/Sampling Point Name:	Travel Blank	Well Purged:	YES
Classification of Groundwater:	0	Well Type:	Surface
Ground Water Elevation: (NGVD):			

Storet Code	Parameter Monitored	Sampling Method	Filtered Y/N	Analysis Method	Analysis Date	Analysis Result	Q	Units	Detection Limits
34423	Methylene chloride	Grab	N	SW8260	8/14/03	0.6	I	µg/L	0.26
77128	Styrene	Grab	N	SW8260	8/14/03	0.17	U	µg/L	0.17
77562	1,1,1,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34516	1,1,2,2-Tetrachloroethane	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34475	Tetrachloroethene	Grab	N	SW8260	8/14/03	0.11	U	µg/L	0.11
34010	Toluene	Grab	N	SW8260	8/14/03	0.10	U	µg/L	0.10
34506	1,1,1-Trichloroethane	Grab	N	SW8260	8/14/03	0.24	U	µg/L	0.24
34511	1,1,2-Trichloroethane	Grab	N	SW8260	8/14/03	0.13	U	µg/L	0.13
39180	Trichloroethene	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
34488	Trichlorofluoromethane	Grab	N	SW8260	8/14/03	0.32	U	µg/L	0.32
77443	1,2,3-Trichloropropane	Grab	N	SW8260	8/14/03	0.30	U	µg/L	0.30
77057	Vinyl acetate	Grab	N	SW8260	8/14/03	0.15	U	µg/L	0.15
39175	Vinyl chloride	Grab	N	SW8260	8/14/03	0.14	U	µg/L	0.14
34020	Xylenes, Total	Grab	N	SW8260	8/14/03	0.29	U	µg/L	0.29

Data Qualifier Code Key:

I	Analyte detected below quantitation limits
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U	Not Detected at the Reporting Limit
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