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Solid Waste Section



~~Waste Mgt West Pasco Bldg~~
~~Pasco County 2001~~
PASCO COUNTY, FLORIDA

DADE CITY (352) 511-4274
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

02 Nov 2001

Mr. John Morris
Waste Management Section
Florida Department of
Environmental Protection
3804 Coconut Palm Drive
Tampa, Florida 33619

RE: ~~West Pasco Class III Landfill~~
Groundwater Monitoring
Semester II, 2001

Dear Mr. Morris:

Enclosed please find the groundwater monitoring analyses from monitoring wells 2MW3A, 2MW7, 2MW8, 2MW9, 2MW10, 4MW3A, 4MW7, 4MW8, and 4MW9 at the West Pasco Class III landfill for the second semester (Jul-Dec) sampling period. These wells were analyzed for the parameters listed in 62-701(8)(a) Florida Administrative Code. All associated Quality Assurance/Quality Control data is also included for all analyses.

No groundwater exceedence summary table is included since none of the wells exceeded any MCL's for regulated analytes. A groundwater contour map for this site is included with this submittal.

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

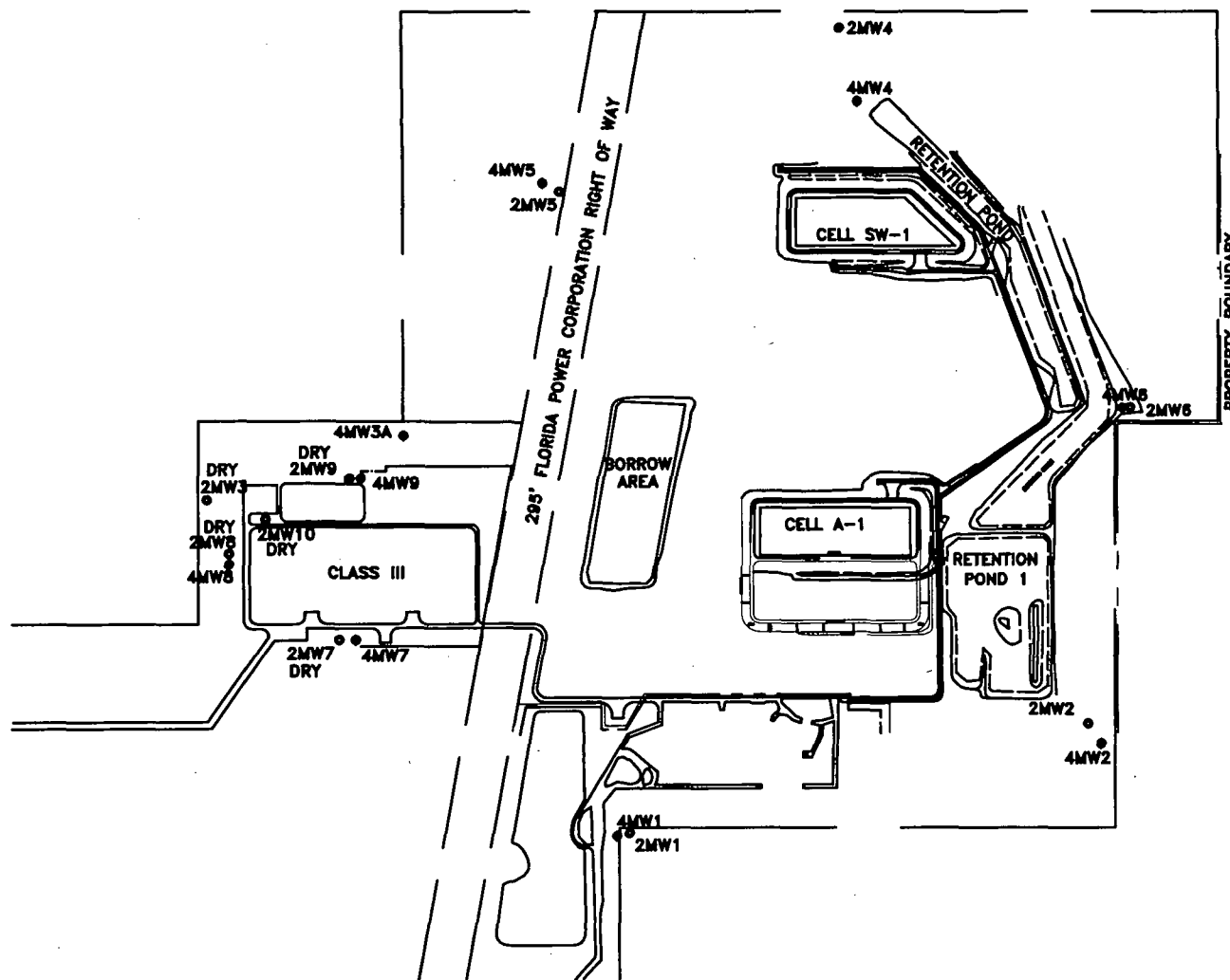
Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

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

Professional Seal of a Professional Engineer, State of Florida, License No. 12150, dated 11/10/01.



EXPLANATION

- 4MW2 FLORIDAN AQUIFER GROUND-WATER MONITORING WELL AND DESIGNATION
- 2MW2 SURFICIAL AQUIFER GROUND-WATER MONITORING WELL AND DESIGNATION

NOTE:
 (4MW)=4" PVC FLORIDAN AQUIFER WELL
 (2MW)=2" PVC SURFICIAL AQUIFER WELL

0 1000

Scale In Feet

Prepared/Date: JT 11/01/01

Checked/Date: JWS 11/01/01

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

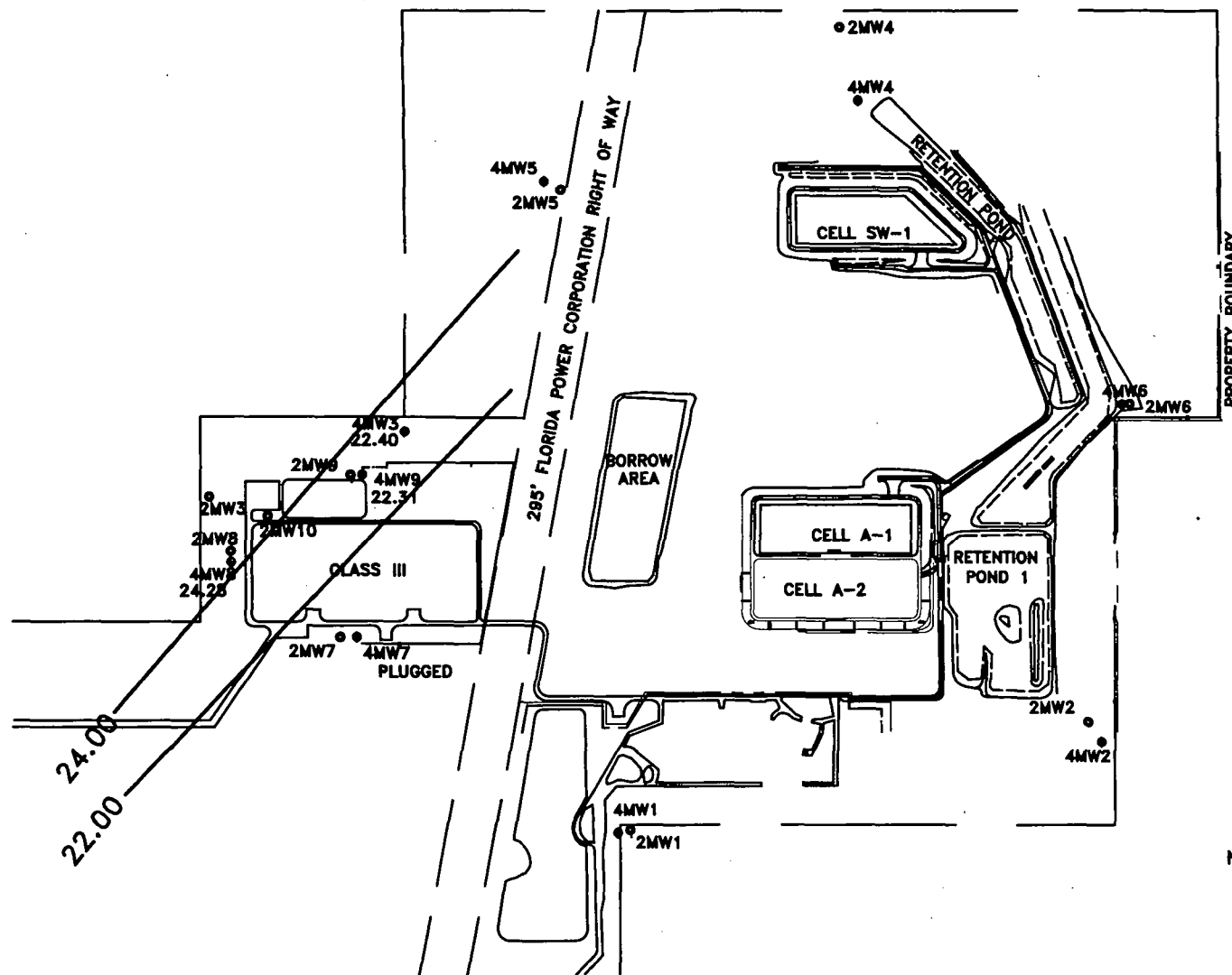
LAW
 LAWGIBB Group Member

Ground-Water Monitoring

Surficial Aquifer Water Table Map
 JULY 2001

Project #40141-8-0451_6

Figure 1

**EXPLANATION**

- 4MW2
● FLORIDAN AQUIFER GROUND-WATER MONITORING WELL AND DESIGNATION
- 2MW2
● SURFICIAL AQUIFER GROUND-WATER MONITORING WELL AND DESIGNATION

* - UNABLE TO SAMPLE DUE TO OBSTRUCTION

NOTE:

(4MW)=4" PVC FLORIDAN AQUIFER WELL
(2MW)=2" PVC SURFICIAL AQUIFER WELL

0 1 1000

Scale in Feet

Prepared/Date: JT 11/01/01

Checked/Date: *EWG* 11/01/01

NOTE: BASED ON THE DISCUSSION WITH THE SAMPLER, 4MW7 WAS PLUGGED.

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

LAW
LAWGIBB Group Member

Ground-Water Monitoring

Floridan Aquifer Potentiometric Surface Map
JULY 2001

Project #40141-8-0451_6

Figure 2

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 7/17/01 @ 1310

Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 2MW-3A Well Purged (Y/N): YES

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

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

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F		T.L.T.S. mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B		T.L.T.S. mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B		T.L.T.S. NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B		T.L.T.S. mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		T.L.T.S. mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B		T.L.T.S. Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B		T.L.T.S. mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B		T.L.T.S. mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4		T.L.T.S. mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B		T.L.T.S. mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		T.L.T.S. mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B		T.L.T.S. °C	0 °C
000680	TOC	"	"	SM 5310B		T.L.T.S. mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		T.L.T.S. µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		T.L.T.S. mg/L	1 mg/L
072020	Water Level (MSL)	"	"			T.L.T.S. Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 7/17/01 @ 1300
 Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
 (year/quarter)
 Well Name: 4MW-3A Well Purged (Y/N): YES
 Classification of Groundwater: Floridan Well Type: (XXX) Background
 () Intermediate
 Groundwater Elevation (NGVD): _____ () Compliance
 () Other
 or (MSL): 22.40

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	07/18/01 1100	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B	08/03/01 1000	5.83 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	07/17/01 1300	1.7 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/30/01 1100	17.5 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/18/01 1500	220 mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/17/01 1300	7.31 Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B	08/02/01 0935	0.21 mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B	08/01/01 1035	<0.0005 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	07/24/01 1100	<1 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B	07/27/01 1100	0.95 mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP	09/14/01 1000	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	07/17/01 1300	24.67 °C	0 °C
000680	TOC	"	"	SM 5310B	07/18/01 1100	2.09 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/17/01 1300	351 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	07/19/01 1700	153 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		07/17/01 1300	22.40 Feet	Feet

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1300

Report Period: _____

Well Name: 4MW3A

Well Purged (Y/N): _____

FCL Sample ID: 13228Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01002	Arsenic	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01007	Barium	G	N	EPA6020	07-24-01	0.00778 mg/L	0.002 mg/L
01012	Beryllium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01027	Cadmium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01037	Cobalt	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01034	Chromium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01042	Copper	G	N	EPA6020	07-24-01	<0.01U mg/L	0.01 mg/L
01067	Nickel	G	N	EPA6020	07-24-01	0.00374 mg/L	0.001 mg/L
01051	Lead	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01097	Antimony	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01147	Selenium	G	N	EPA6020	07-24-01	<0.002U mg/L	0.002 mg/L
01059	Thallium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01087	Vanadium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01092	Zinc	G	N	EPA6020	07-24-01	<0.01U mg/L	0.01 mg/L
	Dilution Factor			EPA5030	07-26-01	1	
081552	Acetone	G	N	EPA8260	07-26-01	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	-	-	- ug/L	- ug/L
034030	Benzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597

(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1300

Report Period: _____

Well Name: 4MW3A

Well Purged (Y/N): _____

FCL Sample ID: 13228Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077353	tert-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081521	Dibromochloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-butene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1300

Report Period: _____

Well Name: 4MW3A

Well Purged (Y/N): _____

FCL Sample ID: 13228Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077424	Methyl iodide	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1300

Report Period: _____

Well Name: 4MW3A

Well Purged (Y/N): _____

FCL Sample ID: 13228Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	07-26-01	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035

Sampling Date/Time: 7/17/01 @ 1330

Test Site ID #: 4051A16325

Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 2MW-7

Well Purged (Y/N): YES

Classification of Groundwater: Surficial

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

Groundwater Elevation (NGVD):

or (MSL):

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F		T.L.T.S. mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B		T.L.T.S. mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B		T.L.T.S. NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		T.L.T.S. mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		T.L.T.S. mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B		T.L.T.S. Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B		T.L.T.S. mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B		T.L.T.S. mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4		T.L.T.S. mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B		T.L.T.S. mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		T.L.T.S. mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B		T.L.T.S. °C	0 °C
000680	TOC	"	"	SM 5310B		T.L.T.S. mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		T.L.T.S. µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		T.L.T.S. mg/L	1 mg/L
072020	Water Level (MSL)	"	"			T.L.T.S. Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 07/17/01 @ 1330

Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 4MW-7 Well Purged (Y/N): YES

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

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

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F		T.L.T.S. mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B		T.L.T.S. mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B		T.L.T.S. NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		T.L.T.S. mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		T.L.T.S. mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B		T.L.T.S. Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B		T.L.T.S. mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B		T.L.T.S. mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4		T.L.T.S. mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B		T.L.T.S. mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		T.L.T.S. mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B		T.L.T.S. °C	0 °C
000680	TOC	"	"	SM 5310B		T.L.T.S. mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		T.L.T.S. µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		T.L.T.S. mg/L	1 mg/L
072020	Water Level (MSL)	"	"			T.L.T.S. Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 7/17/01 @ 1500

Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 2MW-8 Well Purged (Y/N): YES

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

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

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500N ₃ F		T.L.T.S. mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B		T.L.T.S. mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B		T.L.T.S. NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B		T.L.T.S. mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		T.L.T.S. mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B		T.L.T.S. Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B		T.L.T.S. mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B		T.L.T.S. mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4		T.L.T.S. mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B		T.L.T.S. mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		T.L.T.S. mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B		T.L.T.S. °C	0 °C
000680	TOC	"	"	SM 5310B		T.L.T.S. mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		T.L.T.S. µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		T.L.T.S. mg/L	1 mg/L
072020	Water Level (MSL)	"	"			T.L.T.S. Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 7/17/01 @ 1500

Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 4MW-8 Well Purged (Y/N): YES

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

Groundwater Elevation (NGVD): _____
or (MSL): 24.28

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	07/18/01 1100	<0.11 mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B	08/03/01 1000	3.57 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	07/17/01 1500	0.9 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B	07/30/01 1100	6.77 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/18/01 1500	194 mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/17/01 1500	7.35 Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B	08/02/01 0935	0.03 mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B	08/01/01 1035	<0.0005 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	07/24/01 1100	<1 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B	07/27/01 1100	0.47 mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP	09/14/01 1000	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	07/17/01 1500	24.55 °C	0 °C
000680	TOC	"	"	SM 5310B	07/18/01 1100	1.85 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/17/01 1500	317 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	07/19/01 1700	155 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		07/17/01 1500	24.28 Feet	Feet

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1500

Report Period: _____

Well Name: 4MW8

Well Purged (Y/N): _____

FCL Sample ID: 13229Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01002	Arsenic	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01007	Barium	G	N	EPA6020	07-24-01	0.00551 mg/L	0.002 mg/L
01012	Beryllium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01027	Cadmium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01037	Cobalt	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01034	Chromium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01042	Copper	G	N	EPA6020	07-24-01	<0.01U mg/L	0.01 mg/L
01067	Nickel	G	N	EPA6020	07-24-01	0.00228 mg/L	0.001 mg/L
01051	Lead	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01097	Antimony	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01147	Selenium	G	N	EPA6020	07-24-01	0.00241 mg/L	0.002 mg/L
01059	Thallium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01087	Vanadium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01092	Zinc	G	N	EPA6020	07-24-01	<0.01U mg/L	0.01 mg/L
	Dilution Factor			EPA5030	07-26-01	1	
081552	Acetone	G	N	EPA8260	07-26-01	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	-	-	- ug/L	- ug/L
034030	Benzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1500

Report Period: _____

Well Name: 4MW8

Well Purged (Y/N): _____

FCL Sample ID: 13229Well Type ☐ Background☐ Intermediate☐ ComplianceClassification of Groundwater: G-II☐ 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
077342	n-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077353	tert-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081521	Dibromochloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-butene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1500

Report Period: _____

Well Name: 4MW8

Well Purged (Y/N): _____

FCL Sample ID: 13229Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077424	Methyl iodide	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1500

Report Period: _____

Well Name: 4MW8

Well Purged (Y/N): _____

FCL Sample ID: 13229

Well Type ☐ Background

Classification of Groundwater: G-II

☐ Intermediate

☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	07-26-01	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 7/17/01 @ 1400

Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 2MW-9 Well Purged (Y/N): YES

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

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

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500N ₃ F		T.L.T.S. mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B		T.L.T.S. mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B		T.L.T.S. NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B		T.L.T.S. mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		T.L.T.S. mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B		T.L.T.S. Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B		T.L.T.S. mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B		T.L.T.S. mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4		T.L.T.S. mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B		T.L.T.S. mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		T.L.T.S. mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B		T.L.T.S. °C	0 °C
000680	TOC	"	"	SM 5310B		T.L.T.S. mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		T.L.T.S. µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		T.L.T.S. mg/L	1 mg/L
072020	Water Level (MSL)	"	"			T.L.T.S. Feet	Feet

*Attach Laboratory Reports

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 7/17/01 @ 1400

Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 4MW-9 Well Purged (Y/N): YES

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

Groundwater Elevation (NGVD): _____
or (MSL): 22.31

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	07/18/01 1100	3.1 mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B	08/03/01 1000	4.95 mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B	07/17/01 1400	2.4 NTU	0.01 NTU
000940	Chloride	"	"	SM 4500Cl-B	07/30/01 1100	11.8 mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C	07/18/01 1500	404 mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/17/01 1400	6.96 Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B	08/02/01 0935	0.04 mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B	08/01/01 1035	<0.0005 mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4	07/24/01 1100	<1 mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B	07/27/01 1100	0.75 mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP	09/14/01 1000	<0.02 mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B	07/17/01 1400	24.90 °C	0 °C
000680	TOC	"	"	SM 5310B	07/18/01 1100	3.35 mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/17/01 1400	469 µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B	07/19/01 1700	208 mg/L	1 mg/L
072020	Water Level (MSL)	"	"		07/17/01 1400	22.31 Feet	Feet

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597

(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1400

Report Period: _____

Well Name: 4MW9

Well Purged (Y/N): _____

FCL Sample ID: 13230Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01002	Arsenic	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01007	Barium	G	N	EPA6020	07-24-01	0.0102 mg/L	0.002 mg/L
01012	Beryllium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01027	Cadmium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01037	Cobalt	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01034	Chromium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01042	Copper	G	N	EPA6020	07-24-01	<0.01U mg/L	0.01 mg/L
01067	Nickel	G	N	EPA6020	07-24-01	0.00496 mg/L	0.001 mg/L
01051	Lead	G	N	EPA6020	07-24-01	0.0123 mg/L	0.001 mg/L
01097	Antimony	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01147	Selenium	G	N	EPA6020	07-24-01	<0.002U mg/L	0.002 mg/L
01059	Thallium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01087	Vanadium	G	N	EPA6020	07-24-01	<0.001U mg/L	0.001 mg/L
01092	Zinc	G	N	EPA6020	07-24-01	0.034 mg/L	0.01 mg/L
	Dilution Factor			EPA5030	07-26-01	1	
081552	Acetone	G	N	EPA8260	07-26-01	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	-	-	- ug/L	- ug/L
034030	Benzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

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(407) 339-5984

Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1400

Report Period: _____

Well Name: 4MW9

Well Purged (Y/N): _____

FCL Sample ID: 13230Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077353	tert-butylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081521	Dibromochloromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-butene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

P.O. Box 150-597, Altamonte Springs, FL 32715-0597
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Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1400

Report Period: _____

Well Name: 4MW9

Well Purged (Y/N): _____

FCL Sample ID: 13230Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077424	Methyl iodide	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

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Facility GMS#: _____

Sample Date: 07-17-01

Test Site ID#: _____

Sample Time: 1400

Report Period: _____

Well Name: 4MW9

Well Purged (Y/N): _____

FCL Sample ID: 13230Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	07-26-01	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	07-26-01	<1U ug/L	1 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 051M30035 Sampling Date/Time: 7/17/01 @ 1410

Test Site ID #: 4051A16325 Report Period: 2001 / Quarter III
(year/quarter)

Well Name: 2MW-10 Well Purged (Y/N): YES

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

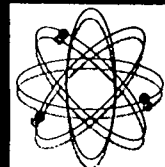
Groundwater Elevation (NGVD): _____
or (MSL): _____

STORET Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F		T.L.T.S. mg/L	0.11 mg/L
000929	Sodium	"	"	SM 3111B		T.L.T.S. mg/L	0.01 mg/L
082079	Turbidity	"	"	SM 2130B		T.L.T.S. NTU	0.01 NTU
000940	Chloride	"	"	SM 4500CI-B		T.L.T.S. mg/L	0.15 mg/L
070300	Total Dis. Solids	"	"	SM 2540C		T.L.T.S. mg/L	1 mg/L
000400	pH-Field	"	"	SM 4500H+B		T.L.T.S. Std. Units	0.01 Std. Units
001045	Iron	"	"	SM 3113B		T.L.T.S. mg/L	0.001 mg/L
071900	Mercury	"	"	SM 3112B		T.L.T.S. mg/L	0.0002 mg/L
000945	Sulfate	"	"	EPA 375.4		T.L.T.S. mg/L	1 mg/L
000610	Ammonia	"	"	SM 4500NH ₃ B		T.L.T.S. mg/L	0.03 mg/L
000612	NH ₄ -N	"	"	DEP SOP		T.L.T.S. mg/L	0.02 mg/L
000010	Temperature (Field)	"	"	SM 2550B		T.L.T.S. °C	0 °C
000680	TOC	"	"	SM 5310B		T.L.T.S. mg/L	0.5 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B		T.L.T.S. µmhos/cm	0.00 µmhos/cm
000410	Bicarbonate	"	"	SM 2320B		T.L.T.S. mg/L	1 mg/L
072020	Water Level (MSL)	"	"			T.L.T.S. Feet	Feet

*Attach Laboratory Reports

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Date Reported : Jul30 2001
Project Number : 14-WP CL-IIIILandfi
PO Number : WPCL III GWM Q III2001
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I
Date Received:

Jul19 2001

Lab Numbers: 13226-13230

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	13226 TANK1	13227 TANK2	13228 4MW3A	13229 4MW8	13230 4MW9
Silver	mg/L	.00100	90.1	.700	<.0010	<.0010	<.0010	<.0010	<.0010
Arsenic	mg/L	.00100	89.3	1.63	<.0010	<.0010	<.0010	<.0010	<.0010
Barium	mg/L	.00200	91.0	1.35	0.0160	.00398	.00778	.00551	0.0102
Beryllium	mg/L	.00100	99.4	8.90	<.0010	<.0010	<.0010	<.0010	<.0010
Cadmium	mg/L	.00100	93.7	.640	<.0010	<.0010	<.0010	<.0010	<.0010
Cobalt	mg/L	.00100	97.2	6.58	.00167	<.0010	<.0010	<.0010	<.0010
Chromium	mg/L	.00100	99.3	1.85	<.0010	<.0010	<.0010	<.0010	<.0010
Copper	mg/L	0.0100	94.8	6.48	<.0100	<.0100	<.0100	<.0100	<.0100
Nickel	mg/L	.00100	92.1	7.10	.00937	.00599	.00374	.00228	.00496
Lead	mg/L	.00100	89.7	8.55	.00301	.00197	<.0010	<.0010	0.0123
Antimony	mg/L	.00100	114.	8.11	<.0010	.00129	<.0010	<.0010	<.0010
Selenium	mg/L	.00200	88.2	2.57	.00257	<.0020	<.0020	.00241	<.0020
Thallium	mg/L	.00100	91.9	10.2	<.0010	<.0010	<.0010	<.0010	<.0010
Vanadium	mg/L	.00100	91.3	9.47	<.0010	<.0010	<.0010	<.0010	<.0010
Zinc	mg/L	0.0100	83.0	.850	0.0463	<.0100	<.0100	<.0100	0.0340
Dilution Factor		-	-	-	1.00	1.00	1.00	1.00	1.00
Acetone	ug/L	5.00	103.	.990	<5.00	<5.00	<5.00	<5.00	<5.00
Benzene	ug/L	1.00	99.4	.390	<1.00	<1.00	<1.00	<1.00	<1.00
Bromobenzene	ug/L	1.00	100.	1.59	<1.00	<1.00	<1.00	<1.00	<1.00
Bromochloromethane	ug/L	1.00	103.	.860	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	ug/L	1.00	103.	1.31	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	ug/L	1.00	102.	.510	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	ug/L	1.00	99.7	.670	<1.00	<1.00	<1.00	<1.00	<1.00
n-butylbenzene	ug/L	1.00	104.	3.25	<1.00	<1.00	<1.00	<1.00	<1.00
sec-butylbenzene	ug/L	1.00	104.	3.74	<1.00	<1.00	<1.00	<1.00	<1.00
tert-butylbenzene	ug/L	1.00	99.8	1.95	<1.00	<1.00	<1.00	<1.00	<1.00

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.

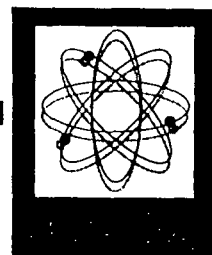
Jefferson S. Flowers, Ph.D.
President/Technical Director

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Date Reported : Jul30 2001
Project Number : 14-WP CL-IIIILandfi
PO Number : WPCL III GWM Q III2001
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I
Date Received:

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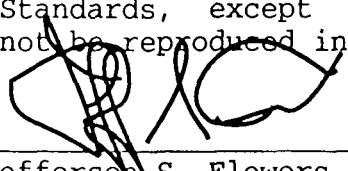
Lab Numbers: 13226-13230

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	13226 TANK1	13227 TANK2	13228 4MW3A	13229 4MW8	13230 4MW9
Carbon disulfide	ug/L	1.00	118.	.530	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon tetrachloride	ug/L	1.00	101.	.060	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	ug/L	1.00	103.	.860	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroethane	ug/L	1.00	114.	1.24	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	ug/L	1.00	101.	.730	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	ug/L	1.00	104.	2.78	<1.00	<1.00	<1.00	<1.00	<1.00
2-chlorotoluene	ug/L	1.00	99.4	1.28	<1.00	<1.00	<1.00	<1.00	<1.00
4-chlorotoluene	ug/L	1.00	100.	.950	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromochloromethane	ug/L	1.00	104.	.100	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromo-3-chloro	ug/L	1.00	96.8	.290	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	ug/L	1.00	106.	2.13	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	ug/L	1.00	106.	1.43	<1.00	<1.00	<1.00	<1.00	<1.00
o-dichlorobenzene	ug/L	1.00	105.	.870	<1.00	<1.00	<1.00	<1.00	<1.00
m-dichlorobenzene	ug/L	1.00	104.	1.02	<1.00	<1.00	<1.00	<1.00	<1.00
Para-dichlorobenzene	ug/L	1.00	102.	.270	<1.00	<1.00	<1.00	<1.00	<1.00
Dichlorodifluorometh	ug/L	1.00	117.	1.60	<1.00	<1.00	<1.00	<1.00	<1.00
t-1,4-dichloro-2-but	ug/L	1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethane	ug/L	1.00	104.	.440	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichloroethane	ug/L	1.00	100.	.740	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	ug/L	1.00	104.	.540	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-dichloroethe	ug/L	1.00	100.	1.77	<1.00	<1.00	<1.00	<1.00	<1.00
t-1,2-dichloroethene	ug/L	1.00	105.	2.03	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichloroethene	ug/L	1.00	102.	1.90	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichloropropane	ug/L	1.00	103.	.710	<1.00	<1.00	<1.00	<1.00	<1.00
1,3-dichloropropane	ug/L	1.00	104.	.780	<1.00	<1.00	<1.00	<1.00	<1.00
2,2-dichloropropane	ug/L	1.00	98.2	.360	<1.00	<1.00	<1.00	<1.00	<1.00

Certificate of Results

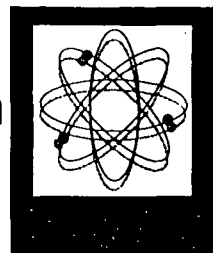
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Date Received:

Jul19 2001

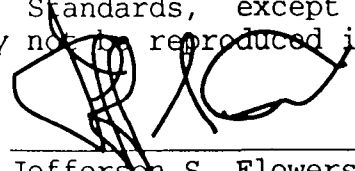
Lab Numbers: 13226-13230

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	13226 TANK1	13227 TANK2	13228 4MW3A	13229 4MW8	13230 4MW9
1,1-dichloropropene	ug/L	1.00	102.	.730	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,3-dichloroprop	ug/L	1.00	104.	.100	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3,-dichlorop	ug/L	1.00	108.	.520	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	ug/L	1.00	103.	.200	<1.00	<1.00	<1.00	<1.00	<1.00
Hexachlorobutadiene	ug/L	1.00	107.	3.79	<1.00	<1.00	<1.00	<1.00	<1.00
2-Hexanone	ug/L	1.00	111.	1.66	<1.00	<1.00	<1.00	<1.00	<1.00
Hexachloroethane	ug/L	1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Isopropylbenzene	ug/L	1.00	99.2	1.46	<1.00	<1.00	<1.00	<1.00	<1.00
4-isopropyltoluene	ug/L	1.00	106.	1.66	<1.00	<1.00	<1.00	<1.00	<1.00
Methylene chloride	ug/L	1.00	119.	3.32	<1.00	<1.00	<1.00	<1.00	<1.00
Methyl-tert-butyleth	ug/L	1.00	94.3	3.56	<1.00	<1.00	<1.00	<1.00	<1.00
2-butanone	ug/L	1.00	106.	2.94	<1.00	<1.00	<1.00	<1.00	<1.00
Methyl_iodide	ug/L	1.00	105.	.030	<1.00	<1.00	<1.00	<1.00	<1.00
4-methyl-2-pentanone	ug/L	1.00	105.	2.65	<1.00	<1.00	<1.00	<1.00	<1.00
Naphthalene	ug/L	1.00	84.3	1.22	<1.00	<1.00	<1.00	<1.00	<1.00
propylbenzene	ug/L	1.00	102.	.690	<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	ug/L	1.00	108.	.880	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-tetrachloroe	ug/L	1.00	102.	.690	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-tetrachloroe	ug/L	1.00	100.	.420	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	ug/L	1.00	113.	2.50	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	ug/L	1.00	102.	.410	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-trichlorobenze	ug/L	1.00	92.3	1.61	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4-trichlorobenze	ug/L	1.00	87.7	.480	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-trichloroethan	ug/L	1.00	101.	2.16	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-trichloroethan	ug/L	1.00	105.	.770	<1.00	<1.00	<1.00	<1.00	<1.00
Trichloroethene	ug/L	1.00	102.	.550	<1.00	<1.00	<1.00	<1.00	<1.00

Certificate of Results

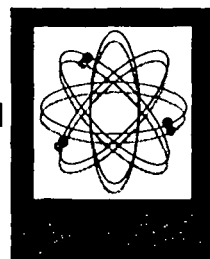
Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.


Jefferson S. Flowers, Ph.D.
President/Technical Director

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**CHEMICAL
LABORATORIES**
INCORPORATED



Received From:
Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

Date Reported : Jul30 2001
Project Number : 14-WP CL-IIIILandfi
PO Number : WPCL III GWM Q III2001
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I

Date Received:

Jul19 2001

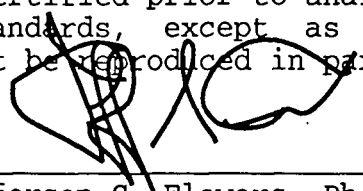
Lab Numbers: 13226-13230

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	13226 TANK1	13227 TANK2	13228 4MW3A	13229 4MW8	13230 4MW9
Trichlorofluorometha	ug/L	1.00	107.	1.15	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,3-trichloropropa	ug/L	1.00	132.	.240	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4-trimethylbenze	ug/L	1.00	105.	.810	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-trimethylbenze	ug/L	1.00	102.	1.35	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl acetate	ug/L	5.00			<5.00	<5.00	<5.00	<5.00	<5.00
Vinyl chloride	ug/L	1.00	102.	.790	<1.00	<1.00	<1.00	<1.00	<1.00
Xylene	ug/L	1.00	104.	.920	<1.00	<1.00	<1.00	<1.00	<1.00
Surrogate_Spike1	ug/L	1.00	103.	.320	34.2	35.0	34.4	35.0	35.2
Surrogate_Spike2	ug/L	1.00	102.	.300	32.2	31.9	32.3	31.0	32.8
Surrogate_Spike3	ug/L	1.00	100.	.490	26.7	28.4	27.1	26.8	26.7
-	-	-	-	-	-	-	-	-	-

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirements of the NELAC Standards, except as noted in the QA Report Section 4. This Report may not be reproduced in part, results relate only to items tested.


Jefferson S. Flowers, Ph.D.
President/Technical Director

3609	FLOWERS CHEMICAL LABORATORIES																
	ANALYTICAL RESULTS FORM											FLDOH Number E83018					
			tank 1	tank 2	4MW3A	4MW8	4MW9					QA		Section			
Parameter	Symbol	Unit	13226	13227	13228	13229	13230					Method	MDL	%RSD	%Rec	Analysis	Date
Silver	*	mg/L	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	0.702	90.1	EVB	07-24-01
Arsenic	*	mg/L	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	1.63	89.3	EVB	07-24-01
Barium	*	mg/L	0.0160	0.00398	0.00778	0.00551	0.0102					EPA6020	0.002	1.35	91.0	EVB	07-24-01
Beryllium	*	mg/L	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	8.90	99.4	EVB	07-24-01
Cadmium	*	mg/L	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	0.649	93.7	EVB	07-24-01
Cobalt	*	mg/L	0.00167	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	6.58	97.2	EVB	07-24-01
Chromium	*	mg/L	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	1.85	99.3	EVB	07-24-01
Copper	*	mg/L	<0.01U	<0.01U	<0.01U	<0.01U	<0.01U					EPA6020	0.01	6.48	94.8	EVB	07-24-01
Nickel	*	mg/L	0.00937	0.00599	0.00374	0.00228	0.00496					EPA6020	0.001	7.10	92.1	EVB	07-24-01
Lead	*	mg/L	0.00301	0.00197	<0.001U	<0.001U	0.0123					EPA6020	0.001	8.55	89.7	EVB	07-24-01
Antimony	*	mg/L	<0.001U	0.00129	<0.001U	<0.001U	<0.001U					EPA6020	0.001	8.11	114	EVB	07-24-01
Selenium	*	mg/L	0.00257	<0.002U	<0.002U	0.00241	<0.002U					EPA6020	0.002	2.57	88.2	EVB	07-24-01
Thallium	*	mg/L	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	10.2	91.9	EVB	07-24-01
Vanadium	*	mg/L	<0.001U	<0.001U	<0.001U	<0.001U	<0.001U					EPA6020	0.001	9.47	91.3	EVB	07-24-01
Zinc	*	mg/L	0.0463	<0.01U	<0.01U	<0.01U	0.0340					EPA6020	0.01	0.852	83.0	EVB	07-24-01
Dilution Factor	*	#	1	1	1	1	1					EPA5030/1	1			CLS	07-26-01
Acetone	*	ug/L	<5U	<5U	<5U	<5U	<5U					EPA8260	5	0.995	103	CLS	07-26-01
Benzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.391	99.4	CLS	07-26-01
Bromobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.59	100	CLS	07-26-01
Bromochloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.861	103	CLS	07-26-01
Bromodichloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.31	103	CLS	07-26-01
Bromofom	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.518	102	CLS	07-26-01
Bromomethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.674	99.7	CLS	07-26-01
n-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.25	104	CLS	07-26-01
sec-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.74	104	CLS	07-26-01
tert-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.95	99.8	CLS	07-26-01
Carbon disulfide	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.537	118	CLS	07-26-01
Carbon tetrachloride	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.0698	101	CLS	07-26-01
Chlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.862	103	CLS	07-26-01
Chloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.24	114	CLS	07-26-01
Chloroform	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.736	101	CLS	07-26-01
Chloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.78	104	CLS	07-26-01
2-chlorotoluene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.28	99.4	CLS	07-26-01
4-chlorotoluene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.953	100	CLS	07-26-01
Dibromochloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.102	104	CLS	07-26-01
1,2-dibromo-3-chloroprop	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.292	96.8	CLS	07-26-01
1,2-dibromoethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.13	106	CLS	07-26-01
Dibromomethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.43	106	CLS	07-26-01
o-dichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.874	105	CLS	07-26-01
m-dichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.02	104	CLS	07-26-01
Para-dichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.276	102	CLS	07-26-01
Dichlorodifluoromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.60	117	CLS	07-26-01
1,1,4-dichloro-2-butene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1			CLS	07-26-01
1,1-dichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.443	104	CLS	07-26-01
1,2-dichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.742	100	CLS	07-26-01
1,1-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.547	104	CLS	07-26-01
cis-1,2-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.77	100	CLS	07-26-01
1,1,2-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.03	105	CLS	07-26-01
1,2-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.90	102	CLS	07-26-01
1,2-dichloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.718	103	CLS	07-26-01

1,3-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.785	104	CLS	07-26-01
2,2-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.360	98.2	CLS	07-26-01
1,1-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.731	102	CLS	07-26-01
cis-1,3-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.102	104	CLS	07-26-01
trans-1,3-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.525	108	CLS	07-26-01
Ethylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.206	103	CLS	07-26-01
Hexachlorobutadiene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	3.79	107	CLS	07-26-01
2-Hexanone	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	1.66	111	CLS	07-26-01
Hexachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1			CLS	07-26-01
Isopropylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	1.46	99.2	CLS	07-26-01
4-Isopropyltoluene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	1.66	106	CLS	07-26-01
Methylene chloride	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	3.32	119	CLS	07-26-01
Methyl-tert-butylether	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	3.56	94.3	CLS	07-26-01
2-butanone	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	2.94	106	CLS	07-26-01
Methyl iodide	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.0336	105	CLS	07-26-01
4-methyl-2-pentanone	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	2.65	105	CLS	07-26-01
Naphthalene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	1.22	84.3	CLS	07-26-01
Propylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.696	102	CLS	07-26-01
Styrene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.883	108	CLS	07-26-01
1,1,1,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.690	102	CLS	07-26-01
1,1,2,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.424	100	CLS	07-26-01
Tetrachloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	2.50	113	CLS	07-26-01
Toluene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.415	102	CLS	07-26-01
1,2,3-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	1.61	92.3	CLS	07-26-01
1,2,4-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.484	87.7	CLS	07-26-01
1,1,1-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	2.16	101	CLS	07-26-01
1,1,2-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.773	105	CLS	07-26-01
Trichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.554	102	CLS	07-26-01
Trichlorofluoromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	1.15	107	CLS	07-26-01
1,2,3-trichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.241	132	CLS	07-26-01
1,2,4-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.812	105	CLS	07-26-01
1,3,5-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	1.35	102	CLS	07-26-01
Vinyl acetate	*	ug/L	<5U	<5U	<5U	<5U	<5U						EPA8260	5			CLS	07-26-01
Vinyl chloride	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.798	102	CLS	07-26-01
Xylene	*	ug/L	<1U	<1U	<1U	<1U	<1U						EPA8260	1	0.927	104	CLS	07-26-01
Surrogate Spike1	*	ug/L	34.2	35.0	34.4	35.0	35.2						EPA8260	1	0.321	103	CLS	07-26-01
Surrogate Spike2	*	ug/L	32.2	31.9	32.3	31.0	32.8						EPA8260	1	0.300	102	CLS	07-26-01
Surrogate Spike3	*	ug/L	26.7	28.4	27.1	26.8	26.7						EPA8260	1	0.495	100	CLS	07-26-01
-	*	-	-	-	-	-	-						-	0.001				

Date Received: 07-19-01

Typed:

07-30-01

Sent:

07-30-01

Project Number 14-WP CL-III Landfill Qualifier Key

PO Number WPCL III GWM Q III 2001 J

Date Sampled 07-17-01 * L

Date Analyzed 0 Q

Compacted 1 U

Format NormRR V

Unit Cost Exted

Appendix I 18500 5 *

One or more QC sample associated with this data value exceeded lab QC limits.

Off-scale high. Reported concentration exceeds the highest standard.

Sample held beyond the accepted holding time.

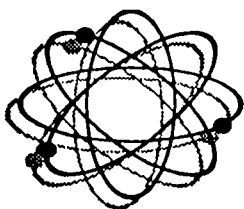
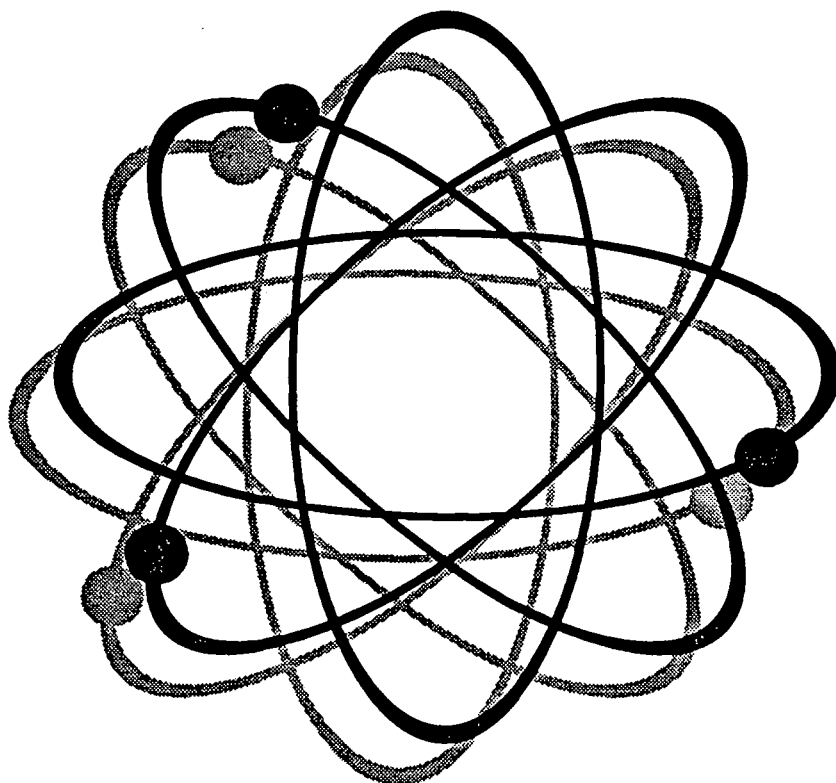
Indicates that the compound was analyzed for but not detected.

Indicates that the analyte was detected in both the sample and the associated method blank.

Quality Assurance Report

Prepared for: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
Lab Numbers: 13226 - 13230

Report date: 30-Jul-01



**FLOWERS
CHEMICAL
LABORATORIES**



FLOWERS CHEMICAL LABORATORIES, INC.

QA SDG Narrative Summary

Client:	Pasco Co. Utilities Env. Lab
Project Number:	14-WP CL-III Landfi
P.O. Number:	WPCL III GWM Q III2001
Date Sampled:	17-Jul-01
Lab Numbers:	13226 - 13230

Sample Handling

Sample handling and holding time criteria were met for all samples.

Samples Collected by Submitter. No unusual events occurred during analysis.

Surrogate Compound Recoveries:

The recovery limits were exceeded for 4 samples as shown in section 1. This represents a 73.3% success rate.

Surrogate exceedences are attributed to matrix interferences.

Accuracy / Precision:

The recovery limits were met for all compounds in the matrix spike as shown in section 2.

The recovery limits were met for all compounds in the matrix spike duplicate as shown in section 2.

The RSD was met for all compounds as shown in section 2.

Method Blanks:

No target compounds were found in the method blank in excess of the method limit as shown in section 3.

LCS Check Sample:

The control limits were exceeded for 2 compounds as shown in section 4. This represents a 97.5% success rate.

Standards Traceability:

The t-test limits were exceeded for 1 calibration standard as shown in section 5. This represents a 93.3% success rate.

The t-test limits were met for all LCS standards as shown in section 5.

The t-test limits were met for all matrix spike standards as shown in section 5.

The t-test limits were met for all surrogate spike standards as shown in section 5.



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III 2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Surrogate_Spike1 for EPA8260

Surrogate Expected: 30

Unit of measure: ug/L

Acceptability Limits: 18.8 - 40.6

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
13226	tank 1	34.2	114
13227	tank 2	35.0	117
13228	4MW3A	34.4	115
13229	4MW8	35.0	117
13230	4MW9	35.2	117



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III 2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Surrogate_Spike2 for EPA8260

Surrogate Expected: 30

Unit of measure: ug/L

Acceptability Limits: 27.6 - 31.5

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
13226	tank 1	32.2	107
13227	tank 2	31.9	106
13228	4MW3A	32.3	108
13229	4MW8	31.0	103
13230	4MW9	32.8	109



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QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III 2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

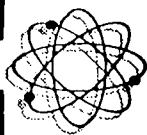
Surrogate_Spike3 for EPA8260

Surrogate Expected: 30

Unit of measure: ug/L

Acceptability Limits: 23.9 - 33.7

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
13226	tank 1	26.7	89.0
13227	tank 2	28.4	94.7
13228	4MW3A	27.1	90.3
13229	4MW8	26.8	89.3
13230	4MW9	26.7	89.0



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client:
Project Number:
P.O. Number:
Date Sampled:
Lab Numbers:

Pasco Co. Utilities Env. Lab
14-WP CL-III Landfi
WPCL III GWM Q III 2001
17-Jul-01
13226 - 13230

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
Silver	mg/L	EPA6020	07-24-01	0.100	<0.001	0.090	89.8%	0.091	90.5%	0.026 - 0.159	0.000	0 - 0.037
Arsenic	mg/L	EPA6020	07-24-01	0.200	<0.001	0.177	88.5%	0.180	90.0%	0.141 - 0.262	0.002	0 - 0.037
Barium	mg/L	EPA6020	07-24-01	0.200	0.016	0.197	90.5%	0.199	91.5%	0.156 - 0.291	0.001	0 - 0.042
Beryllium	mg/L	EPA6020	07-24-01	0.200	<0.001	0.190	95.0%	0.208	104%	0.135 - 0.303	0.013	0 - 0.045
Cadmium	mg/L	EPA6020	07-24-01	0.200	<0.001	0.188	94.0%	0.187	93.5%	0.133 - 0.261	0.001	0 - 0.040
Cobalt	mg/L	EPA6020	07-24-01	0.200	0.002	0.190	94.2%	0.203	101%	0.133 - 0.266	0.009	0 - 0.039
Chromium	mg/L	EPA6020	07-24-01	0.200	<0.001	0.197	98.5%	0.200	100%	0.132 - 0.272	0.002	0 - 0.046
Copper	mg/L	EPA6020	07-24-01	0.200	<0.01	0.183	91.5%	0.196	98.0%	0.107 - 0.270	0.009	0 - 0.052
Nickel	mg/L	EPA6020	07-24-01	0.200	0.009	0.187	88.8%	0.201	95.8%	0.120 - 0.282	0.010	0 - 0.048
Lead	mg/L	EPA6020	07-24-01	0.200	0.003	0.175	86.0%	0.190	93.5%	0.131 - 0.277	0.011	0 - 0.046
Antimony	mg/L	EPA6020	07-24-01	0.200	<0.001	0.238	119%	0.219	110%	0.139 - 0.267	0.013	0 - 0.041
Selenium	mg/L	EPA6020	07-24-01	0.200	0.003	0.181	89.2%	0.177	87.2%	0.129 - 0.265	0.003	0 - 0.039
Thallium	mg/L	EPA6020	07-24-01	0.200	<0.001	0.175	87.5%	0.193	96.5%	0.146 - 0.261	0.013	0 - 0.033
Vanadium	mg/L	EPA6020	07-24-01	0.200	<0.001	0.174	87.0%	0.191	95.5%	0.143 - 0.270	0.012	0 - 0.039
Zinc	mg/L	EPA6020	07-24-01	0.200	0.046	0.213	83.4%	0.211	82.4%	0.116 - 0.338	0.001	0 - 0.054
Acetone	ug/L	EPA8260	07-26-01	200	<5	204	102%	207	104%	89.8 - 302	2.12	0 - 52.7
Benzene	ug/L	EPA8260	07-26-01	20.0	<1	19.8	99.0%	19.9	99.5%	14.0 - 24.5	0.071	0 - 3.15
Bromobenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.2	101%	19.8	99.0%	14.2 - 24.4	0.283	0 - 2.75
Bromochloromethane	ug/L	EPA8260	07-26-01	20.0	<1	20.4	102%	20.7	104%	13.6 - 26.0	0.212	0 - 3.79
Bromodichloromethane	ug/L	EPA8260	07-26-01	20.0	<1	20.3	102%	20.7	104%	14.1 - 25.2	0.283	0 - 2.82
Bromoform	ug/L	EPA8260	07-26-01	20.0	<1	20.6	103%	20.4	102%	11.5 - 26.9	0.141	0 - 3.56
Bromomethane	ug/L	EPA8260	07-26-01	20.0	<1	19.8	99.0%	20.0	100%	11.2 - 29.4	0.141	0 - 4.91
n-butylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	21.4	107%	20.4	102%	13.3 - 24.7	0.707	0 - 2.70
sec-butylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	21.3	107%	20.2	101%	14.2 - 24.6	0.778	0 - 2.31
tert-butylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.2	101%	19.7	98.5%	14.6 - 24.8	0.354	0 - 2.21
Carbon disulfide	ug/L	EPA8260	07-26-01	20.0	<1	23.6	118%	23.8	119%	9.60 - 31.1	0.141	0 - 5.15
Carbon tetrachloride	ug/L	EPA8260	07-26-01	20.0	<1	20.3	102%	20.3	102%	11.1 - 28.6	0.000	0 - 4.36
Chlorobenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.6	103%	20.4	102%	15.6 - 23.9	0.141	0 - 2.28
Chloroethane	ug/L	EPA8260	07-26-01	20.0	<1	23.1	116%	22.7	114%	10.6 - 28.4	0.283	0 - 4.58
Chloroform	ug/L	EPA8260	07-26-01	20.0	<1	20.1	101%	20.3	102%	12.8 - 26.9	0.141	0 - 4.13
Chloromethane	ug/L	EPA8260	07-26-01	20.0	<1	20.4	102%	21.2	106%	9.76 - 27.4	0.566	0 - 4.33
2-chlorotoluene	ug/L	EPA8260	07-26-01	20.0	<1	20.1	101%	19.7	98.5%	14.1 - 25.0	0.283	0 - 2.38
4-chlorotoluene	ug/L	EPA8260	07-26-01	20.0	<1	20.2	101%	19.9	99.5%	13.5 - 24.7	0.212	0 - 2.34
Dibromochloromethane	ug/L	EPA8260	07-26-01	20.0	<1	20.7	104%	20.7	104%	14.3 - 25.3	0.000	0 - 2.93
1,2-dibromo-3-chloropropane	ug/L	EPA8260	07-26-01	20.0	<1	19.4	97.0%	19.3	96.5%	10.9 - 27.4	0.071	0 - 3.90



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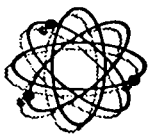
QA Section 2

Matrix Spike Recovery

Client:
Project Number:
P.O. Number:
Date Sampled:
Lab Numbers:

Pasco Co. Utilities Env. Lab
14-WP CL-III Landfi
WPCL III GWM Q III2001
17-Jul-01
13226 - 13230

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
1,2-dibromoethane	ug/L	EPA8260	07-26-01	20.0	<1	20.9	105%	21.6	108%	15.3 - 24.3	0.495	0 - 2.73
Dibromomethane	ug/L	EPA8260	07-26-01	20.0	<1	21.0	105%	21.4	107%	15.0 - 24.9	0.283	0 - 2.77
o-dichlorobenzene	ug/L	EPA8260	07-26-01	20.0	<1	21.2	106%	20.9	105%	14.3 - 24.7	0.212	0 - 2.47
m-dichlorobenzene	ug/L	EPA8260	07-26-01	20.0	<1	21.0	105%	20.7	104%	14.4 - 24.3	0.212	0 - 2.48
Para-dichlorobenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.4	102%	20.5	103%	14.4 - 24.2	0.071	0 - 2.48
Dichlorodifluoromethane	ug/L	EPA8260	07-26-01	20.0	<1	23.2	116%	23.7	119%	8.56 - 27.2	0.354	0 - 4.43
1,1-dichloroethane	ug/L	EPA8260	07-26-01	20.0	<1	20.7	104%	20.8	104%	12.2 - 27.4	0.071	0 - 3.94
1,2-dichloroethane	ug/L	EPA8260	07-26-01	20.0	<1	19.9	99.5%	20.1	101%	13.4 - 25.8	0.141	0 - 3.08
1,1-dichloroethene	ug/L	EPA8260	07-26-01	20.0	<1	20.8	104%	20.6	103%	11.7 - 27.9	0.141	0 - 4.03
cis-1,2-dichloroethene	ug/L	EPA8260	07-26-01	20.0	<1	19.7	98.5%	20.2	101%	14.5 - 24.9	0.354	0 - 2.98
trans-1,2-dichloroethene	ug/L	EPA8260	07-26-01	20.0	<1	20.6	103%	21.2	106%	11.9 - 27.0	0.424	0 - 3.80
1,2-dichloroethene	ug/L	EPA8260	07-26-01	40.0	<1	40.3	101%	41.4	104%	26.3 - 52.4	0.778	0 - 7.75
1,2-dichloropropane	ug/L	EPA8260	07-26-01	20.0	<1	20.6	103%	20.8	104%	13.9 - 25.4	0.141	0 - 3.07
1,3-dichloropropane	ug/L	EPA8260	07-26-01	20.0	<1	20.6	103%	20.8	104%	15.0 - 24.9	0.141	0 - 2.66
2,2-dichloropropane	ug/L	EPA8260	07-26-01	20.0	<1	19.7	98.5%	19.6	98.0%	7.26 - 27.3	0.071	0 - 5.76
1,1-dichloropropene	ug/L	EPA8260	07-26-01	20.0	<1	20.2	101%	20.4	102%	13.0 - 25.4	0.141	0 - 3.13
cis-1,3-dichloropropene	ug/L	EPA8260	07-26-01	20.0	<1	20.9	105%	20.9	105%	14.4 - 24.7	0.000	0 - 2.93
trans-1,3-dichloropropene	ug/L	EPA8260	07-26-01	20.0	<1	21.6	108%	21.5	108%	13.3 - 25.7	0.071	0 - 3.28
Ethylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.6	103%	20.6	103%	14.5 - 24.7	0.000	0 - 3.39
Hexachlorobutadiene	ug/L	EPA8260	07-26-01	20.0	<1	22.0	110%	20.9	105%	12.8 - 25.6	0.778	0 - 3.04
2-Hexanone	ug/L	EPA8260	07-26-01	20.0	<1	21.9	110%	22.4	112%	11.4 - 27.0	0.354	0 - 3.92
Isopropylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.0	100%	19.6	98.0%	13.0 - 25.6	0.283	0 - 3.14
4-isopropyltoluene	ug/L	EPA8260	07-26-01	20.0	<1	21.5	108%	21.0	105%	14.5 - 24.4	0.354	0 - 2.61
Methylene chloride	ug/L	EPA8260	07-26-01	20.0	<1	23.3	117%	24.4	122%	11.7 - 28.6	0.778	0 - 4.21
Methyl-tert-butylether	ug/L	EPA8260	07-26-01	20.0	<1	18.4	92.0%	19.3	96.5%	11.0 - 28.0	0.636	0 - 5.53
2-butanone	ug/L	EPA8260	07-26-01	20.0	<1	20.8	104%	21.6	108%	9.50 - 29.2	0.566	0 - 5.38
Methyl iodide	ug/L	EPA8260	07-26-01	20.0	<1	21.1	106%	21.1	106%	11.0 - 30.7	0.000	0 - 4.60
4-methyl-2-pentanone	ug/L	EPA8260	07-26-01	20.0	<1	20.7	104%	21.4	107%	8.46 - 27.1	0.495	0 - 4.24
Naphthalene	ug/L	EPA8260	07-26-01	20.0	<1	16.7	83.5%	17.0	85.0%	10.3 - 27.6	0.212	0 - 4.45
Propylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.4	102%	20.2	101%	14.1 - 24.5	0.141	0 - 2.18
Styrene	ug/L	EPA8260	07-26-01	20.0	<1	21.5	108%	21.8	109%	12.5 - 28.7	0.212	0 - 4.20
1,1,1,2-tetrachloroethane	ug/L	EPA8260	07-26-01	20.0	<1	20.4	102%	20.6	103%	14.8 - 25.2	0.141	0 - 3.15
1,1,2,2-tetrachloroethane	ug/L	EPA8260	07-26-01	20.0	<1	20.0	100%	20.1	101%	10.8 - 27.1	0.071	0 - 4.02
Tetrachloroethene	ug/L	EPA8260	07-26-01	20.0	<1	23.0	115%	22.2	111%	9.71 - 29.7	0.566	0 - 4.78
Toluene	ug/L	EPA8260	07-26-01	20.0	<1	20.4	102%	20.5	103%	13.8 - 25.1	0.071	0 - 3.69



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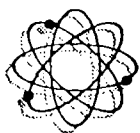
QA Section 2

Matrix Spike Recovery

Client:
Project Number:
P.O. Number:
Date Sampled:
Lab Numbers:

Pasco Co. Utilities Env. Lab
14-WP CL-III Landfi
WPCL III GWM Q III 2001
17-Jul-01
13226 - 13230

Analyte	Unit	Analysis Method	Date	Spike Added	Sample Conc.	MS Conc.	MS Rec.	MSD Conc.	MSD Rec.	Acceptable Limits	STD Rec.	Acceptable Limits
1,2,3-trichlorobenzene	ug/L	EPA8260	07-26-01	20.0	<1	18.3	91.5%	18.7	93.5%	11.3 - 26.7	0.283	0 - 4.30
1,2,4-trichlorobenzene	ug/L	EPA8260	07-26-01	20.0	<1	17.6	88.0%	17.5	87.5%	11.2 - 26.5	0.071	0 - 3.97
1,1,1-trichloroethane	ug/L	EPA8260	07-26-01	20.0	<1	20.0	100%	20.6	103%	12.8 - 26.2	0.424	0 - 3.43
1,1,2-trichloroethane	ug/L	EPA8260	07-26-01	20.0	<1	21.2	106%	20.9	105%	14.6 - 25.1	0.212	0 - 2.80
Trichloroethene	ug/L	EPA8260	07-26-01	20.0	<1	20.3	102%	20.5	103%	13.6 - 29.0	0.141	0 - 3.82
Trichlorofluoromethane	ug/L	EPA8260	07-26-01	20.0	<1	21.6	108%	21.3	107%	10.2 - 28.8	0.212	0 - 4.63
1,2,3-trichloropropane	ug/L	EPA8260	07-26-01	20.0	<1	26.4	132%	26.3	132%	10.2 - 29.7	0.071	0 - 3.92
1,2,4-trimethylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.8	104%	21.0	105%	13.3 - 25.2	0.141	0 - 3.19
1,3,5-trimethylbenzene	ug/L	EPA8260	07-26-01	20.0	<1	20.6	103%	20.2	101%	13.4 - 25.1	0.283	0 - 3.05
Vinyl chloride	ug/L	EPA8260	07-26-01	20.0	<1	20.3	102%	20.5	103%	10.7 - 28.4	0.141	0 - 5.07
Xylene	ug/L	EPA8260	07-26-01	60.0	<1	62.1	104%	62.9	105%	42.4 - 75.7	0.566	0 - 10.6



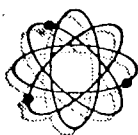
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Analyte	Unit	Method	Date	Concentration
Silver	mg/L	EPA6020	07-24-01	<0.001
Arsenic	mg/L	EPA6020	07-24-01	<0.001
Barium	mg/L	EPA6020	07-24-01	<0.002
Beryllium	mg/L	EPA6020	07-24-01	<0.001
Cadmium	mg/L	EPA6020	07-24-01	<0.001
Cobalt	mg/L	EPA6020	07-24-01	<0.001
Chromium	mg/L	EPA6020	07-24-01	<0.001
Copper	mg/L	EPA6020	07-24-01	<0.01
Nickel	mg/L	EPA6020	07-24-01	<0.001
Lead	mg/L	EPA6020	07-24-01	<0.001
Antimony	mg/L	EPA6020	07-24-01	<0.001
Selenium	mg/L	EPA6020	07-24-01	<0.002
Thallium	mg/L	EPA6020	07-24-01	<0.001
Vanadium	mg/L	EPA6020	07-24-01	<0.001
Zinc	mg/L	EPA6020	07-24-01	<0.01
Acetone	ug/L	EPA8260	07-26-01	<5
Benzene	ug/L	EPA8260	07-26-01	<1
Bromobenzene	ug/L	EPA8260	07-26-01	<1
Bromochloromethane	ug/L	EPA8260	07-26-01	<1
Bromodichloromethane	ug/L	EPA8260	07-26-01	<1
Bromoform	ug/L	EPA8260	07-26-01	<1
Bromomethane	ug/L	EPA8260	07-26-01	<1
n-butylbenzene	ug/L	EPA8260	07-26-01	<1
sec-butylbenzene	ug/L	EPA8260	07-26-01	<1
tert-butylbenzene	ug/L	EPA8260	07-26-01	<1
Carbon disulfide	ug/L	EPA8260	07-26-01	<1
Carbon tetrachloride	ug/L	EPA8260	07-26-01	<1
Chlorobenzene	ug/L	EPA8260	07-26-01	<1
Chloroethane	ug/L	EPA8260	07-26-01	<1



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III 2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Analyte	Unit	Method	Date	Concentration
Chloroform	ug/L	EPA8260	07-26-01	<1
Chloromethane	ug/L	EPA8260	07-26-01	<1
2-chlorotoluene	ug/L	EPA8260	07-26-01	<1
4-chlorotoluene	ug/L	EPA8260	07-26-01	<1
Dibromochloromethane	ug/L	EPA8260	07-26-01	<1
1,2-dibromo-3-chloropropane	ug/L	EPA8260	07-26-01	<1
1,2-dibromoethane	ug/L	EPA8260	07-26-01	<1
Dibromomethane	ug/L	EPA8260	07-26-01	<1
o-dichlorobenzene	ug/L	EPA8260	07-26-01	<1
m-dichlorobenzene	ug/L	EPA8260	07-26-01	<1
Para-dichlorobenzene	ug/L	EPA8260	07-26-01	<1
Dichlorodifluoromethane	ug/L	EPA8260	07-26-01	<1
t-1,4-dichloro-2-butene	ug/L	EPA8260	07-26-01	<1
1,1-dichloroethane	ug/L	EPA8260	07-26-01	<1
1,2-dichloroethane	ug/L	EPA8260	07-26-01	<1
1,1-dichloroethene	ug/L	EPA8260	07-26-01	<1
cis-1,2-dichloroethene	ug/L	EPA8260	07-26-01	<1
t-1,2-dichloroethene	ug/L	EPA8260	07-26-01	<1
1,2-dichloroethene	ug/L	EPA8260	07-26-01	<1
1,2-dichloropropane	ug/L	EPA8260	07-26-01	<1
1,3-dichloropropane	ug/L	EPA8260	07-26-01	<1
2,2-dichloropropane	ug/L	EPA8260	07-26-01	<1
1,1-dichloropropene	ug/L	EPA8260	07-26-01	<1
cis-1,3-dichloropropene	ug/L	EPA8260	07-26-01	<1
trans-1,3,-dichloropropene	ug/L	EPA8260	07-26-01	<1
Ethylbenzene	ug/L	EPA8260	07-26-01	<1
Hexachlorobutadiene	ug/L	EPA8260	07-26-01	<1
2-Hexanone	ug/L	EPA8260	07-26-01	<1
Hexachloroethane	ug/L	EPA8260	07-26-01	<1



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III 2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Analyte	Unit	Method	Date	Concentration
Isopropylbenzene	ug/L	EPA8260	07-26-01	<1
4-isopropyltoluene	ug/L	EPA8260	07-26-01	<1
Methylene chloride	ug/L	EPA8260	07-26-01	<1
Methyl-tert-butylether	ug/L	EPA8260	07-26-01	<1
2-butanone	ug/L	EPA8260	07-26-01	<1
Methyl iodide	ug/L	EPA8260	07-26-01	<1
4-methyl-2-pentanone	ug/L	EPA8260	07-26-01	<1
Naphthalene	ug/L	EPA8260	07-26-01	<1
Propylbenzene	ug/L	EPA8260	07-26-01	<1
Styrene	ug/L	EPA8260	07-26-01	<1
1,1,1,2-tetrachloroethane	ug/L	EPA8260	07-26-01	<1
1,1,2,2-tetrachloroethane	ug/L	EPA8260	07-26-01	<1
Tetrachloroethene	ug/L	EPA8260	07-26-01	<1
Toluene	ug/L	EPA8260	07-26-01	<1
1,2,3-trichlorobenzene	ug/L	EPA8260	07-26-01	<1
1,2,4-trichlorobenzene	ug/L	EPA8260	07-26-01	<1
1,1,1-trichloroethane	ug/L	EPA8260	07-26-01	<1
1,1,2-trichloroethane	ug/L	EPA8260	07-26-01	<1
Trichloroethene	ug/L	EPA8260	07-26-01	<1
Trichlorofluoromethane	ug/L	EPA8260	07-26-01	<1
1,2,3-trichloropropane	ug/L	EPA8260	07-26-01	<1
1,2,4-trimethylbenzene	ug/L	EPA8260	07-26-01	<1
1,3,5-trimethylbenzene	ug/L	EPA8260	07-26-01	<1
Vinyl acetate	ug/L	EPA8260	07-26-01	<5
Vinyl chloride	ug/L	EPA8260	07-26-01	<1
Xylene	ug/L	EPA8260	07-26-01	<1



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

LCS Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Analyte	Unit	Method	Date	LCS Expected	LCS Measured	Rec. %	Acceptable Limits
Silver	mg/L	EPA6020	07-24-01	0.100	0.097	96.7%	0.069 - 0.131
Arsenic	mg/L	EPA6020	07-24-01	0.200	0.184	92.0%	0.160 - 0.235
Barium	mg/L	EPA6020	07-24-01	0.200	0.196	98.0%	0.168 - 0.240
Beryllium	mg/L	EPA6020	07-24-01	0.200	0.190	95.0%	0.141 - 0.278
Cadmium	mg/L	EPA6020	07-24-01	0.200	0.200	100%	0.156 - 0.238
Cobalt	mg/L	EPA6020	07-24-01	0.200	0.207	104%	0.161 - 0.238
Chromium	mg/L	EPA6020	07-24-01	0.200	0.210	105%	0.150 - 0.251
Copper	mg/L	EPA6020	07-24-01	0.200	0.204	102%	0.150 - 0.239
Nickel	mg/L	EPA6020	07-24-01	0.200	0.204	102%	0.157 - 0.235
Lead	mg/L	EPA6020	07-24-01	0.200	0.185	92.5%	0.147 - 0.258
Antimony	mg/L	EPA6020	07-24-01	0.200	0.268	134%	0.161 - 0.234
Selenium	mg/L	EPA6020	07-24-01	0.200	0.199	99.5%	0.157 - 0.232
Thallium	mg/L	EPA6020	07-24-01	0.200	0.185	92.5%	0.162 - 0.243
Vanadium	mg/L	EPA6020	07-24-01	0.200	0.184	92.0%	0.168 - 0.233
Zinc	mg/L	EPA6020	07-24-01	0.200	0.214	107%	0.146 - 0.240
Acetone	ug/L	EPA8260	07-26-01	100	122	122%	44.1 - 155
Benzene	ug/L	EPA8260	07-26-01	10.0	11.0	110%	6.55 - 12.8
Bromobenzene	ug/L	EPA8260	07-26-01	10.0	11.4	114%	6.46 - 13.2
Bromochloromethane	ug/L	EPA8260	07-26-01	10.0	11.3	113%	6.92 - 12.5
Bromodichloromethane	ug/L	EPA8260	07-26-01	10.0	11.1	111%	6.76 - 12.7
Bromoform	ug/L	EPA8260	07-26-01	10.0	11.2	112%	5.57 - 13.9
Bromomethane	ug/L	EPA8260	07-26-01	10.0	11.4	114%	5.74 - 15.2
n-butylbenzene	ug/L	EPA8260	07-26-01	10.0	10.3	103%	5.82 - 13.0
sec-butylbenzene	ug/L	EPA8260	07-26-01	10.0	11.9	119%	6.10 - 13.5
tert-butylbenzene	ug/L	EPA8260	07-26-01	10.0	11.4	114%	5.93 - 14.2
Carbon disulfide	ug/L	EPA8260	07-26-01	10.0	13.8	138%	4.90 - 16.1
Carbon tetrachloride	ug/L	EPA8260	07-26-01	10.0	11.2	112%	5.52 - 13.9
Chlorobenzene	ug/L	EPA8260	07-26-01	10.0	11.2	112%	7.27 - 12.7
Chloroethane	ug/L	EPA8260	07-26-01	10.0	13.1	131%	4.81 - 15.5
Chloroform	ug/L	EPA8260	07-26-01	10.0	11.1	111%	6.25 - 14.4
Chloromethane	ug/L	EPA8260	07-26-01	10.0	11.9	119%	4.86 - 14.6
2-chlorotoluene	ug/L	EPA8260	07-26-01	10.0	11.5	115%	5.98 - 14.0
4-chlorotoluene	ug/L	EPA8260	07-26-01	10.0	11.3	113%	6.03 - 13.5
Dibromochloromethane	ug/L	EPA8260	07-26-01	10.0	10.8	108%	6.74 - 12.6
1,2-dibromo-3-chloropropane	ug/L	EPA8260	07-26-01	10.0	9.23	92.3%	4.69 - 13.2



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

LCS Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III 2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Analyte	Unit	Method	Date	LCS Expected	LCS Measured	Rec. %	Acceptable Limits
1,2-dibromoethane	ug/L	EPA8260	07-26-01	10.0	11.2	112%	7.06 - 12.2
Dibromomethane	ug/L	EPA8260	07-26-01	10.0	11.5	115%	7.22 - 12.6
o-dichlorobenzene	ug/L	EPA8260	07-26-01	10.0	11.7	117%	6.65 - 13.3
m-dichlorobenzene	ug/L	EPA8260	07-26-01	10.0	11.4	114%	6.65 - 13.1
Para-dichlorobenzene	ug/L	EPA8260	07-26-01	10.0	11.2	112%	6.72 - 13.0
Dichlorodifluoromethane	ug/L	EPA8260	07-26-01	10.0	13.7	137%	4.13 - 14.1
1,1-dichloroethane	ug/L	EPA8260	07-26-01	10.0	11.4	114%	5.98 - 13.8
1,2-dichloroethane	ug/L	EPA8260	07-26-01	10.0	11.2	112%	6.24 - 13.3
1,1-dichloroethene	ug/L	EPA8260	07-26-01	10.0	11.5	115%	5.75 - 14.4
cis-1,2-dichloroethene	ug/L	EPA8260	07-26-01	10.0	11.0	110%	6.89 - 12.7
t-1,2-dichloroethene	ug/L	EPA8260	07-26-01	10.0	11.7	117%	5.86 - 13.5
1,2-dichloroethene	ug/L	EPA8260	07-26-01	20.0	22.7	114%	13.9 - 26.1
1,2-dichloropropane	ug/L	EPA8260	07-26-01	10.0	11.2	112%	6.67 - 12.9
1,3-dichloropropane	ug/L	EPA8260	07-26-01	10.0	11.2	112%	7.24 - 12.3
2,2-dichloropropane	ug/L	EPA8260	07-26-01	10.0	11.1	111%	3.29 - 14.1
1,1-dichloropropene	ug/L	EPA8260	07-26-01	10.0	11.2	112%	6.36 - 12.6
cis-1,3-dichloropropene	ug/L	EPA8260	07-26-01	10.0	11.3	113%	6.45 - 12.7
trans-1,3,-dichloropropene	ug/L	EPA8260	07-26-01	10.0	11.3	113%	5.95 - 13.1
Ethylbenzene	ug/L	EPA8260	07-26-01	10.0	11.3	113%	6.54 - 13.0
Hexachlorobutadiene	ug/L	EPA8260	07-26-01	10.0	11.7	117%	5.54 - 14.1
2-Hexanone	ug/L	EPA8260	07-26-01	10.0	11.2	112%	4.92 - 13.6
Isopropylbenzene	ug/L	EPA8260	07-26-01	10.0	11.7	117%	5.90 - 14.6
4-isopropyltoluene	ug/L	EPA8260	07-26-01	10.0	11.7	117%	6.11 - 13.5
Methylene chloride	ug/L	EPA8260	07-26-01	10.0	14.4	144%	6.01 - 15.1
Methyl-tert-butylether	ug/L	EPA8260	07-26-01	10.0	9.21	92.1%	6.06 - 13.7
2-butanone	ug/L	EPA8260	07-26-01	10.0	10.9	109%	4.71 - 15.2
Methyl iodide	ug/L	EPA8260	07-26-01	10.0	12.2	122%	5.41 - 16.1
4-methyl-2-pentanone	ug/L	EPA8260	07-26-01	10.0	10.8	108%	4.08 - 13.0
Naphthalene	ug/L	EPA8260	07-26-01	10.0	7.79	77.9%	2.21 - 14.4
Propylbenzene	ug/L	EPA8260	07-26-01	10.0	11.6	116%	6.01 - 13.7
Styrene	ug/L	EPA8260	07-26-01	10.0	11.5	115%	6.34 - 14.3
1,1,1,2-tetrachloroethane	ug/L	EPA8260	07-26-01	10.0	11.3	113%	6.97 - 12.7
1,1,2,2-tetrachloroethane	ug/L	EPA8260	07-26-01	10.0	11.7	117%	5.49 - 14.0
Tetrachloroethene	ug/L	EPA8260	07-26-01	10.0	12.5	125%	4.85 - 14.9
Toluene	ug/L	EPA8260	07-26-01	10.0	11.2	112%	6.55 - 13.1



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

LCS Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Analyte	Unit	Method	Date	LCS Expected	LCS Measured	Rec. %	Acceptable Limits
1,2,3-trichlorobenzene	ug/L	EPA8260	07-26-01	10.0	8.38	83.8%	3.40 - 13.8
1,2,4-trichlorobenzene	ug/L	EPA8260	07-26-01	10.0	7.77	77.7%	2.98 - 13.7
1,1,1-trichloroethane	ug/L	EPA8260	07-26-01	10.0	11.1	111%	6.44 - 13.0
1,1,2-trichloroethane	ug/L	EPA8260	07-26-01	10.0	11.6	116%	7.23 - 12.4
Trichloroethene	ug/L	EPA8260	07-26-01	10.0	11.0	110%	7.02 - 14.8
Trichlorofluoromethane	ug/L	EPA8260	07-26-01	10.0	12.0	120%	4.54 - 14.9
1,2,3-trichloropropane	ug/L	EPA8260	07-26-01	10.0	14.8	148%	5.87 - 14.5
1,2,4-trimethylbenzene	ug/L	EPA8260	07-26-01	10.0	11.8	118%	6.11 - 13.7
1,3,5-trimethylbenzene	ug/L	EPA8260	07-26-01	10.0	11.8	118%	6.02 - 13.9
Vinyl chloride	ug/L	EPA8260	07-26-01	10.0	11.2	112%	5.21 - 14.8
Xylene	ug/L	EPA8260	07-26-01	30.0	34.2	114%	19.5 - 40.5



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Silver	Fisher	16-155AS	1067	MAN	11-10-99	11-15-01	1919	MAN	11-09-00	11-10-01	2.01	±2.02	0.935	0.078	1.10	0.380
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	5.25	>1.65	0.935	0.078	0.941	0.178
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	5.25	>1.65	0.935	0.078	0.941	0.178
Arsenic	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	4.67	>1.69	1.02	0.024	0.950	0.112
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	5.19	>1.65	1.02	0.024	0.976	0.126
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	5.19	>1.65	1.02	0.024	0.976	0.126
Barium	Fisher	16-155AS	1067	MAN	11-10-99	11-15-01	1919	MAN	11-09-00	11-10-01	12.4	>1.68	0.983	0.040	1.01	0.056
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	11.0	>1.65	0.983	0.040	1.02	0.087
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	11.0	>1.65	0.983	0.040	1.02	0.087
Beryllium	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	4.02	±2.01	1.03	0.092	1.04	0.030
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	1.77	>1.65	1.03	0.092	1.15	0.285
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	1.77	>1.65	1.03	0.092	1.15	0.285
Cadmium	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	2.74	>1.65	0.947	0.056	1.08	0.286
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	25.4	>1.65	0.947	0.056	0.971	0.078
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	25.4	>1.65	0.947	0.056	0.971	0.078
Cobalt	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	8.25	>1.68	1.01	0.039	0.965	0.082
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	6.71	>1.66	1.01	0.039	1.00	0.153
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	6.71	>1.66	1.01	0.039	1.00	0.153
Chromium	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	12.9	>1.65	1.00	0.058	0.980	0.060
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	19.0	>1.65	1.00	0.058	0.995	0.130
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	19.0	>1.65	1.00	0.058	0.995	0.130
Copper	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	12.8	>1.65	0.980	0.047	0.937	0.073
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	19.8	>1.65	0.980	0.047	0.975	0.123
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	19.8	>1.65	0.980	0.047	0.975	0.123
Nickel	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	8.00	>1.65	0.972	0.091	0.950	0.072
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	15.5	>1.65	0.972	0.091	0.972	0.134
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	15.5	>1.65	0.972	0.091	0.972	0.134
Lead	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	11.0	>1.67	1.02	0.072	1.02	0.074
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	9.11	>1.65	1.02	0.072	0.981	0.101
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	9.11	>1.65	1.02	0.072	0.981	0.101
Antimony	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	5.85	>1.67	0.995	0.134	0.993	0.065
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	4.32	>1.65	0.995	0.134	1.07	0.232



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: 14-WP CL-III Landfi
P.O. Number: WPCL III GWM Q III2001
Date Sampled: 17-Jul-01
Lab Numbers: 13226 - 13230

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	4.32	>1.65	0.995	0.134	1.07	0.232
Selenium	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	6.50	>1.66	0.993	0.114	0.962	0.053
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	11.2	>1.65	0.993	0.114	0.948	0.118
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	11.2	>1.65	0.993	0.114	0.948	0.118
Thallium	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	5.27	>1.67	1.01	0.149	1.02	0.080
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	10.0	>1.65	1.01	0.149	0.993	0.088
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	10.0	>1.65	1.01	0.149	0.993	0.088
Vanadium	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	13.1	>1.68	0.983	0.033	0.987	0.071
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	3.01	>1.66	0.983	0.033	1.05	0.257
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	3.01	>1.66	0.983	0.033	1.05	0.257
Zinc	Fisher	16-85AS	1462	MAN	11-10-00	11-15-01	1919	MAN	11-09-00	11-10-01	10.3	>1.65	0.977	0.048	0.903	0.068
LCS	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	10.7	>1.65	0.977	0.048	0.985	0.241
Matrix Spike	Fisher	0GFS30Z584	1323	elena	08-02-00	09-30-01	1791	elena	08-02-00	09-30-01	10.7	>1.65	0.977	0.048	0.985	0.241



PASCO COUNTY, FLORIDA

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DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: WP CL-III GWM
DATE: 09/17/01

SAMPLE NUMBER- 107134 SAMPLE ID- 4MW-3A
DATE SAMPLED- 07/17/01
DATE RECEIVED- 07/17/01 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1630 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WW
TIME SAMPLED- 1300
RECEIVED BY- IF
TYPE SAMPLE- Pumped

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ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS	DQ
WATER LEVEL	FIELD		07/17/01	1300	CSC	22.40	FEET	
FIELD PH	SM4500-H+B		07/17/01	1300	CSC	7.31	STD. UNITS	
FIELD TEMPERATURE	SM2550B		07/17/01	1300	CSC	24.67	DEGREES C	
FIELD CONDUCTIVITY	SM2510B		07/17/01	1300	CSC	351	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G		07/17/01	1300	CSC	0.80	mg/L	
FIELD TURBIDITY	SM 2130 B		07/17/01	1300	CHR	1.7	NTU	
STATIC WATER LEVEL	FIELD		07/17/01	1300	CSC	31.60	FT TO WL	
COLOR BY OBSERVATION	VISUAL		07/17/01	1300	CSC	CLEAR		
SHEENS BY OBSERVATION IN FIELD	OBSERVE		07/17/01	1300	CSC	NONE		
ALKALINITY, BICARB.	SM2320B		07/19/01	1700	JKH	153	mg/l	
POT. ORGANIC CARBON	SM 5310		07/18/01	1100	IF	2.09	mg/L	
CHLORIDE	SM4500CL E		07/30/01	1100	JKH	17.5	mg/L	
COLOR	SM 2120B		07/17/01	1705	JKH	10	PCU	
FECAL COLIFORM MF	SM9222D		07/17/01	1635	AS	<1	MF/100 ml	
AMMONIA NITROGEN	SM4500NH3H		07/27/01	1100	IF	0.95	mg/L	
UN-IONIZED AMMONIA N	DEP SOP		09/14/01	1000	CEM	<0.02	mg/L	
NITRATE	SM4500NO3F		07/18/01	1100	IF	<0.11	mg/L	
TOTAL DISS. SOLIDS	SM2540C		07/18/01	1500	JKH	220	mg/L	
SULFATE	EPA375.4		07/24/01	1100	JKH	<1	mg/L	
IRON, TOTAL	SM3113B	07/30/01 ter	08/02/01	0935	TER	0.21	mg/L	
MERCURY, TOTAL	SM3112B		08/01/01	1035	TER	<0.0005	mg/L	



PASCO COUNTY, FLORIDA

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CONTINUATION OF DATA FOR SAMPLE NUMBER 107134

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT	UNITS	DQ
SODIUM, TOTAL	SM3111B	07/30/01	ter	08/03/01	1000	TER	5.83 mg/L	

LABORATORY DIRECTOR

Candice E. Pulcher



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CompQAP # 870167G

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: WP CL-III GWM
DATE: 09/17/01

SAMPLE NUMBER- 107135 SAMPLE ID- 4MW-8
DATE SAMPLED- 07/17/01
DATE RECEIVED- 07/17/01 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1630 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WW
TIME SAMPLED- 1500
RECEIVED BY- IF
TYPE SAMPLE- Pumped

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ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
WATER LEVEL	FIELD			07/17/01	1500	CSC	24.28	FEET	
FIELD PH	SM4500-H+B			07/17/01	1500	CSC	7.35	STD. UNITS	
FIELD TEMPERATURE	SM2550B			07/17/01	1500	CSC	24.55	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			07/17/01	1500	CSC	317	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			07/17/01	1500	CSC	0.90	mg/L	
FIELD TURBIDITY	SM 2130 B			07/17/01	1500	CHR	0.9	NTU	
STATIC WATER LEVEL	FIELD			07/17/01	1500	CSC	27.22	FT TO WL	
COLOR BY OBSERVATION	VISUAL			07/17/01	1500	CSC	CLEAR		
SHEENS BY OBSERVATION IN FIELD	OBSERVE			07/17/01	1500	CSC	NONE		
ALKALINITY, BICARB.	SM2320B			07/19/01	1700	JKH	155	mg/l	
POT. ORGANIC CARBON	SM 5310			07/18/01	1100	IF	1.85	mg/L	
CHLORIDE	SM4500CL E			07/30/01	1100	JKH	6.77	mg/L	
COLOR	SM 2120B			07/17/01	1705	JKH	10	PCU	
FECAL COLIFORM MF	SM9222D			07/17/01	1635	AS	<1	MF/100 ml	
AMMONIA NITROGEN	SM4500NH3H			07/27/01	1100	IF	0.47	mg/L	
UN-IONIZED AMMONIA N	DEP SOP			09/14/01	1000	CEM	<0.02	mg/L	
NITRATE	SM4500NO3F			07/18/01	1100	IF	<0.11	mg/L	
TOTAL DISS. SOLIDS	SM2540C			07/18/01	1500	JKH	194	mg/L	
SULFATE	EPA375.4			07/24/01	1100	JKH	<1	mg/L	
IRON, TOTAL	SM3113B	07/30/01	ter	08/02/01	0935	TER	0.03	mg/L	
MERCURY, TOTAL	SM3112B			08/01/01	1035	TER	<0.0005	mg/L	



PASCO COUNTY, FLORIDA

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CONTINUATION OF DATA FOR SAMPLE NUMBER 107135

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS	DQ	
SODIUM, TOTAL	SM3111B	07/30/01	ter	08/03/01	1000	TER	3.57 mg/L	

LABORATORY DIRECTOR

Carla E. Mulhe



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CompQAP # 870167G

REPORT OF ANALYSES

CLASS III LANDFILL
HAYS ROAD
SHADY HILLS, FL 34610-
Attn: VINCENT MANNELLA

PROJECT NAME: WP CL-III GWM
DATE: 09/17/01

SAMPLE NUMBER- 107136 SAMPLE ID- 4MW-9
DATE SAMPLED- 07/17/01
DATE RECEIVED- 07/17/01 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1630 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- WW
TIME SAMPLED- 1400
RECEIVED BY- IF
TYPE SAMPLE- Pumped

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ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
WATER LEVEL	FIELD			07/17/01	1400	CSC	22.31	FEET	
FIELD PH	SM4500-H+B			07/17/01	1400	CSC	6.96	STD. UNITS	
FIELD TEMPERATURE	SM2550B			07/17/01	1400	CSC	24.90	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			07/17/01	1400	CSC	469	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			07/17/01	1400	CSC	0.80	mg/L	
FIELD TURBIDITY	SM 2130 B			07/17/01	1400	CHR	2.4	NTU	
STATIC WATER LEVEL	FIELD			07/17/01	1400	CSC	29.57	FT TO WL	
COLOR BY OBSERVATION	VISUAL			07/17/01	1400	CSC	CLEAR		
SHEENS BY OBSERVATION IN FIELD	OBSERVE			07/17/01	1400	CSC	NONE		
ALKALINITY, BICARB.	SM2320B			07/19/01	1700	JKH	208	mg/l	
POT.ORGANIC CARBON	SM 5310			07/18/01	1100	IF	3.35	mg/L	
CHLORIDE	SM4500CL E			07/30/01	1100	JKH	11.8	mg/L	
COLOR	SM 2120B			07/17/01	1705	JKH	10	PCU	
FECAL COLIFORM MF	SM9222D			07/17/01	1635	AS	<1	MF/100 ml	
AMMONIA NITROGEN	SM4500NH3H			07/27/01	1100	IF	0.75	mg/L	
UN-IONIZED AMMONIA N	DEP SOP			09/14/01	1000	CEM	<0.02	mg/L	
NITRATE	SM4500NO3F			07/18/01	1100	IF	3.21	mg/L	
TOTAL DISS.SOLIDS	SM2540C			07/18/01	1500	JKH	404	mg/L	
SULFATE	EPA375.4			07/24/01	1100	JKH	<1	mg/L	
IRON, TOTAL	SM3113B	07/30/01	ter	08/02/01	0935	TER	0.04	mg/L	
MERCURY, TOTAL	SM3112B			08/01/01	1035	TER	<0.0005	mg/L	



PASCO COUNTY, FLORIDA

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CONTINUATION OF DATA FOR SAMPLE NUMBER 107136

ANALYSIS	METHOD	SAMPLE PREP DATE	ANALYSIS BY DATE	TIME	BY	RESULT UNITS	DQ
SODIUM, TOTAL	SM3111B	07/30/01	ter 08/03/01	1000	TER	4.95 mg/L	

LABORATORY DIRECTOR

Carla E. Thulke



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QC REPORT FOR CLASS III LANDFILL 09/17/2001

QA/QC for SAMPLE Nos: 107134, 107135, 107136,

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Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
ALKALINITY, BICARB. SM2320B mg/l	107138	113	114	1.0	0.88	97.10	STD	100	97	97.60
TOT. ORGANIC CARBON SM 5310 mg/L	-----	-----	-----	-----	-----	-----	TOC STD	10.000	10.090	100.90
CHLORIDE SM4500CL E mg/L	107136	11.8	12.2	0.40	3.33	-----	STD	80.0	80.8	101.00
	107176	443	486	43	9.26	-----	STD	80.0	79.9	99.80
	107230	-----	-----	-----	-----	101.20	-----	-----	-----	-----
	107283	167	173	6.0	3.53	-----	-----	-----	-----	-----
COLOR SM 2120B PCU	107136	10	10	0	0.00	-----	STD	50	50	100.00
FECAL COLIFORM MF SM9222D MF/100 ml	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
AMMONIA NITROGEN SM4500NH3H mg/L	-----	-----	-----	-----	-----	-----	NH3 STD	1.200	1.163	96.92



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CompQAP # 870167G

QC REPORT FOR CLASS III LANDFILL 09/17/2001

QA/QC for SAMPLE Nos: 107134, 107135, 107136,
Page 2

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

UN-IONIZED AMMONIA N NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS
DEP SOP
mg/L

[illegible][illegible][illegible]

IRON, TOTAL NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS
SM3113B
mg/L

[illegible]



DHRS # 44237, E44123
CompQAP # 870167G

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Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate	Replicate	Range	RPD %	% Spike	Reference	Target	Found	%
		A	B			Recovery	Sample ID			Recovery
SODIUM, TOTAL SM3111B mg/L	107686	6.15	6.34	0.19	3.04	102.90	-----	-----	-----	-----