405IM30035
WACS 45799
2nd SEMI-ANNUAL LEACHATE MONITORING 2000
C III

PASCO COUNTY, FLORIDA

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

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

05 August 2000

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

RE: West Pasco Class III Landfill
Leachate Monitoring
Semester II, 2000

Dear Ms. Amram:

Enclosed please find the analytical results for the parameters listed in 62-701(8)(c) Florida Administrative Code conducted on the two leachate tanks at the West Pasco Class III Landfill. These results are submitted for the second semester sampling period (Jul-Dec). The next sampling event for this facility is scheduled for January, 2001.

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

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1
cc: Chongman Lee, Florida Department of Environmental Protection, Waste Management Section, Twin Towers Bldg., 2600 Blair Stone Road, Tallahassee, Florida 32399-2400
Douglas S. Bramlett, Assistant County Administrator (Utilities Services)
Robert J. Sigmond, Utilities Fiscal Services/Special Projects Director
Vincent Mannella, Solid Waste Facility Manager

RECEIVED
SEP 11 2000
Solid Waste Section

DEP Form # 17-522.800(2)
Form Title GROUND WATER MONITORING REPORT
Effective Date
DEP Application No.

Florida Department of Environmental Protection

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

GROUND WATER MONITORING REPORT

Rule 17-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name HAYS ROAD CLASS III LANDFILL

Address

City Zip

Telephone Number ( )

(2) The GMS Identification Number 4051M30035

(3) DEP Permit Number 5051-182279

(4) Authorized Representative Name CANDIA E. MULHERN

Address 8864 GOVERNMENT DRIVE

City NEW PORT RICHEY, FLORIDA Zip 34654

Telephone Number (813) 847-8902

(5) Type of Discharge Unknown

(6) Method of Discharge Landfill

Certification

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

Date: Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 870167

Analytical Lab Comp QAP #/HRS Certification # 44237; E44123; QAP #870167

*Comp QAP #/HRS Certification # 83139; E83018; QAP #86-0008G

Lab Name PASCO COUNTY ENVIRONMENTAL LABORATORY

Address 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

Phone Number (813) 847-8902

RECEIVED
SEP 11 2000
Solid Waste Section

PART III ANALYTICAL RESULTS (CTRL-ALT-7)

Facility GMS #: 4051M30035 Sampling Date/Time: 07/25/00 @ 1120

Test Site ID #: NA Report Period: / Quarter (year/quarter)

Well Name: Tank #1 Well Purged (Y/N): YES

Classification of Groundwater: NA SEMLC

Groundwater Elevation (NGVD): W2507

or (MSL):

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

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_3F	07/27/00 1230	<0.11	mg/L	0.11	mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/31/00 1500	3.20	mg/L	0.15	mg/L
000400	pH-Field	"	"	SM 4500H+B	07/25/00 1120	6.41	Std. Units	0.01	Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/26/00 1300	512	mg/L	1	mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	07/25/00 1120	1.00	mg/L	0.01	mg/L
000410	Bicarbonate	"	"	SM 2320B	07/27/00 1345	109	mg/L	1	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/25/00 1120	698	µmhos/cm	0.00	µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/25/00 1120	27.20	°C	0	°C
000610	Ammonia	"	"	SM 4500NH_3B	08/09/00 1100	2.30	mg/L	0.03	mg/L
900216	Color	"	"	SM 2120B	07/25/00 1600	65	PCU	0.0	PCU
001045	Iron	"	"	SM 3113B	07/28/00 1030	0.42	mg/L	0.001	mg/L
000929	Sodium	"	"	SM 3111B	07/28/00 1000	17.9	mg/L	0.01	mg/L
071900	Mercury	"	"	SM 3112B	08/04/00 0945	0.0006	mg/L	0.0002	mg/L
000612	NH_4-N	"	"	DEP SOP	08/24/00 1200	<0.02	mg/L	0.02	mg/L

*Attach Laboratory Reports

mo/s082904(1)

FLOWERS CHEMICAL LABORATORIES, INC.

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

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00

Sample Time: 1120

Report Period: _____

Well Name: TANK-1

FCL Sample ID: 8233

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	07-28-2000 09:22	<0.00005U mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	07-28-2000 09:22	0.00337 mg/L	0.0001 mg/L
01007	Barium	G	N	EPA6020	07-28-2000 09:22	0.0136 mg/L	0.0001 mg/L
01012	Beryllium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01037	Cobalt	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	07-28-2000 09:22	0.00578 mg/L	0.0001 mg/L
01042	Copper	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01067	Nickel	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01051	Lead	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01147	Selenium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01059	Thallium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	07-28-2000 09:22	0.000583 mg/L	0.0001 mg/L
01092	Zinc	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
	Dilution Factor			EPA5030	08-02-00	1	
081552	Acetone	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034030	Benzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-02-00	<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#: _____

Test Site ID#: _____

Sample Date: 07-25-00

Sample Time: 1120

Report Period: _____

Well Name: TANK-1

FCL Sample ID: 8233

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077353	tert-butlybenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 1120
Report Period: _____

Well Name: TANK-1
FCL Sample ID: 8233

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077424	Methyl_iodide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	08-02-00	3.05 ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-02-00	<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#: _____

Test Site ID#: _____

Sample Date: 07-25-00

Sample Time: 1120

Report Period: _____

Well Name: TANK-1

FCL Sample ID: 8233

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/25/00 @ 1100

Test Site ID #: NA

Report Period: / Quarter (year/quarter)

Well Name: Tank #2

Well Purged (Y/N): YES

Classification of Groundwater: NA

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

Groundwater Elevation (NGVD): _____

or (MSL): _____

W2508

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_3F	07/27/00 1230	9.89	mg/L	0.11	mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/31/00 1500	4.40	mg/L	0.15	mg/L
000400	pH-Field	"	"	SM 4500H+B	07/25/00 1100	6.72	Std. Units	0.01	Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/26/00 1300	424	mg/L	1	mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	07/25/00 1100	2.50	mg/L	0.01	mg/L
000410	Bicarbonate	"	"	SM 2320B	07/27/00 1345	124	mg/L	1	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/25/00 1100	473	µmhos/cm	0.00	µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/25/00 1100	27.40	°C	0	°C
000610	Ammonia	"	"	SM 4500NH_3B	08/09/00 1100	0.55	mg/L	0.03	mg/L
900216	Color	"	"	SM 2120B	07/25/00 1600	250	PCU	0.0	PCU
001045	Iron	"	"	SM 3113B	07/28/00 1030	0.42	mg/L	0.001	mg/L
000929	Sodium	"	"	SM 3111B	07/28/00 1000	8.47	mg/L	0.01	mg/L
071900	Mercury	"	"	SM 3112B	08/04/00 0945	0.0005	mg/L	0.0002	mg/L
000612	NH_4-N	"	"	DEP SOP	08/24/00 1200	<0.02	mg/L	0.02	mg/L

*Attach Laboratory Reports

mo/s082904(2)

FLOWERS CHEMICAL LABORATORIES, INC.

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

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 1100
Report Period: _____

Well Name: TANK-2

FCL Sample ID: 8234

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	07-28-2000 09:22	<0.00005U mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	07-28-2000 09:22	0.00452 mg/L	0.0001 mg/L
01007	Barium	G	N	EPA6020	07-28-2000 09:22	0.00336 mg/L	0.0001 mg/L
01012	Beryllium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01037	Cobalt	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	07-28-2000 09:22	0.00404 mg/L	0.0001 mg/L
01042	Copper	G	N	EPA6020	07-28-2000 09:22	0.00204 mg/L	0.0001 mg/L
01067	Nickel	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01051	Lead	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01147	Selenium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01059	Thallium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	07-28-2000 09:22	0.00251 mg/L	0.0001 mg/L
01092	Zinc	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
	Dilution Factor			EPA5030	08-02-00	1	
081552	Acetone	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034030	Benzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-02-00	<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#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 1100
Report Period: _____

Well Name: TANK-2
FCL Sample ID: 8234

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077353	tert-butlybenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-02-00	<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#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 1100
Report Period: _____

Well Name: TANK-2
FCL Sample ID: 8234

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

Well Type
[ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077424	Methyl_iodide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

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Facility GMS#: _____

Test Site ID#: _____

Well Name: TANK-2

FCL Sample ID: 8234

Clasification of Groundwater: G-II

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

Sample Date: 07-25-00

Sample Time: 1100

Report Period: _____

Well Purged (Y/N): _____

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/25/00 @ 1100

Test Site ID #: NA

Report Period: / Quarter (year/quarter)

Well Name: Tank #2 (DUPLICATE)

Well Purged (Y/N): YES

Classification of Groundwater: NA

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

Groundwater Elevation (NGVD):

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F	07/27/00 1230	10.2	mg/L	0.11	mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/31/00 1500	3.73	mg/L	0.15	mg/L
000400	pH-Field	"	"	SM 4500H+B	07/25/00 1100	6.74	Std. Units	0.01	Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/26/00 1300	484	mg/L	1	mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	07/25/00 1100	2.20	mg/L	0.01	mg/L
000410	Bicarbonate	"	"	SM 2320B	07/27/00 1345	132	mg/L	1	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/25/00 1100	479	µmhos/cm	0.00	µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/25/00 1100	27.60	°C	0	°C
000610	Ammonia	"	"	SM 4500NH_3B	08/09/00 1100	0.72	mg/L	0.03	mg/L
900216	Color	"	"	SM 2120B	07/25/00 1600	225	PCU	0.0	PCU
001045	Iron	"	"	SM 3113B	07/28/00 1030	0.38	mg/L	0.001	mg/L
000929	Sodium	"	"	SM 3111B	07/28/00 1000	9.75	mg/L	0.01	mg/L
071900	Mercury	"	"	SM 3112B	08/04/00 0945	<0.0005	mg/L	0.0002	mg/L
000612	NH_4-N	"	"	DEP SOP	08/24/00 1200	<0.02	mg/L	0.02	mg/L

*Attach Laboratory Reports

mo/s082904(3)

FLOWERS CHEMICAL LABORATORIES, INC.

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

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00

Sample Time: 1100

Report Period: _____

Well Name: TANK-2 DUP

FCL Sample ID: 8235

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	07-28-2000 09:22	<0.00005U mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	07-28-2000 09:22	0.00368 mg/L	0.0001 mg/L
01007	Barium	G	N	EPA6020	07-28-2000 09:22	0.00256 mg/L	0.0001 mg/L
01012	Beryllium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01037	Cobalt	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	07-28-2000 09:22	0.00367 mg/L	0.0001 mg/L
01042	Copper	G	N	EPA6020	07-28-2000 09:22	0.00118 mg/L	0.0001 mg/L
01067	Nickel	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01051	Lead	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01147	Selenium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01059	Thallium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	07-28-2000 09:22	0.00257 mg/L	0.0001 mg/L
01092	Zinc	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
	Dilution Factor			EPA5030	08-02-00	1	
081552	Acetone	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034030	Benzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 1100
Report Period: _____

Well Name: TANK-2 DUP
FCL Sample ID: 8235

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077353	tert-butlybenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

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Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 1100
Report Period: _____

Well Name: TANK-2 DUP

FCL Sample ID: 8235

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077424	Methyl_iodide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00

Sample Time: 1100

Report Period: _____

Well Name: TANK-2 DUP

FCL Sample ID: 8235

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	08-02-00	<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#: _____

Test Site ID#: _____

Sample Date: 07-25-00

Sample Time: 940

Report Period: _____

Well Name: EQ BLANK

FCL Sample ID: 8232

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	07-28-2000 09:22	<0.00005U mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01007	Barium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01012	Beryllium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01037	Cobalt	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	07-28-2000 09:22	0.000526 mg/L	0.0001 mg/L
01042	Copper	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01067	Nickel	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01051	Lead	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01147	Selenium	G	N	EPA6020	07-28-2000 09:22	0.000107 mg/L	0.0001 mg/L
01059	Thallium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
01092	Zinc	G	N	EPA6020	07-28-2000 09:22	<0.0001U mg/L	0.0001 mg/L
	Dilution Factor			EPA5030	08-02-00	1	
081552	Acetone	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
034030	Benzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-02-00	<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#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 940
Report Period: _____

Well Name: EQ BLANK

FCL Sample ID: 8232

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077353	tert-butlybenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-02-00	<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#: _____

Test Site ID#: _____

Sample Date: 07-25-00
Sample Time: 940
Report Period: _____

Well Name: EQ BLANK
FCL Sample ID: 8232

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077424	Methyl_iodide	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

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Facility GMS#: _____

Test Site ID#: _____

Sample Date: 07-25-00

Sample Time: 940

Report Period: _____

Well Name: EQ BLANK

FCL Sample ID: 8232

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

Well Type [ ] Background
[ ] Intermediate
[ ] Compliance
[ ] Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-02-00	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	08-02-00	<1U ug/L	1 ug/L

PASCO COUNTY, FLORIDA

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

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 LEACH
DATE: 08/24/00

LAB No.	SAMPLE DATE	TIME	SAMPLER	DELIVERY TO LAB DATE	TIME	MATRIX
94385	07/25/00	0940	CHRIS CHILDRESS	07/25/00	1430	LE
94386	07/25/00	1120	CHRIS CHILDRESS	07/25/00	1430	LE
94387	07/25/00	1100	CHRIS CHILDRESS	07/25/00	1430	LE
94388	07/25/00	1100	CHRIS CHILDRESS	07/25/00	1430	LE

CLIENT STATION ID:		EQ.BLANK	TANK-1	TANK-2	TANK-2(DUPL)
LAB #:		94385	94386	94387	94388
PH, FIELD	STD. UNITS	7.30	6.41	6.72	6.74
FIELD TEMP	DEGREES C	27.00	27.20	27.40	27.60
COND,FIELD	umhos/cm	13	698	473	479
DO, FIELD	mg/L	2.00	1.00	2.50	2.20
COLOR-OBS		CLEAR	CLEAR	CLEAR	CLEAR
BICARB.ALK	mg/l	<1	109	124	132
CL- (auto)	mg/L	<1	3.20	4.40	3.73
COLOR	PCU	0.0	65	250	225
NH3 (AUTO)	mg/L	<0.03	2.30	0.55	0.72
NH3-UNION	mg/L	<0.02	<0.02	<0.02	<0.02
NO3	mg/L	<0.11	<0.11	9.89	10.2
TDS	mg/L	4	512	424	484
FE/T/AA	mg/L	<0.00	0.42	0.42	0.38
HG/T/CVAA	mg/L	0.0006	0.0006	0.0005	< 0.0005
NA/T/FLAA	mg/L	<0.01	17.9	8.47	9.75

LABORATORY DIRECTOR

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

QC REPORT FOR CLASS III LANDFILL 08/24/2000

QA/QC for SAMPLE Nos: 94385, 94386, 94387, 94388,

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
ALKALINITY,BICARB.	94387	124	132	8.0	6.25	------	STD	100	97	97.40
SM2320B										
mg/l										
CHLORIDE	94372	--------	--------	--------	--------	102.40	STD	80.0	77.3	96.60
SM4500CL E	94388	3.67	3.73	0.060	1.62	------	----------	--------	--------	------
mg/L										
COLOR	94388	225	250	25	10.53	------	STD	50.0	50.0	100.00
SM 2120B										
PCU										
AMMONIA NITROGEN	94186	--------	--------	--------	--------	90.33	NH3 STD	1.2000	1.1220	93.50
SM4500NH3H										
mg/L										
UN-IONIZED AMMONIA N	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
DEP SOP										
mg/L										
NITRATE	94438	--------	--------	--------	--------	105.00	NO3 STD	4.000	4.210	105.25
SM4500NO3F										
mg/L										

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

QC REPORT FOR CLASS III LANDFILL 08/24/2000

QA/QC for SAMPLE Nos: 94385, 94386, 94387, 94388,

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
TOTAL DISS.SOLIDS	94387	424	464	40	9.01	------	STD	293	295	100.60
SM2540C										
mg/L										
IRON,TOTAL		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
SM3113B										
mg/L										
MERCURY,TOTAL	94436	<0.0005	<0.0005	0	0.00	98.30	----------	--------	--------	------
SM3112B	94598	<0.0005	<0.0005	0	0.00	101.40	----------	--------	--------	------
mg/L										
SODIUM,TOTAL		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
SM3111B										
mg/L										

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

DATE, TIME, ANALYST REPORT

ANALYSIS	METHOD	ANALYSIS DATE	TIME	ANALYST	MDL
BICARB.ALK	SM2320B	07/27/00	1345	JKH	1
CL- (auto)	SM4500CL E	07/31/00	1500	JKH	0.62
COLOR	SM 2120B	07/25/00	1600	JKH	0.0
COLOR-OBS	VISUAL	07/25/00	0940	CSC	
COND,FIELD	SM2510B	07/25/00	0940	CSC	1
DO, FIELD	SM4500-O G	07/25/00	0940	CSC	0.01
FE/T/AA	SM3113B	07/28/00	1030	TER	0.001
FIELD TEMP	SM2550B	07/25/00	0940	CSC	0
HG/T/CVAA	SM3112B	08/01/00	0945	TER	0.0005
HG/T/CVAA	SM3112B	08/04/00	0945	TER	0.0005
NA/T/FLAA	SM3111B	07/28/00	1000	TER	0.01
NH3 (AUTO)	SM4500NH3H	08/09/00	1100	IF	0.03
NH3-UNION	DEP SOP	08/24/00	1200	CEM	0.02
NO3	SM4500NO3F	07/27/00	1230	IF	0.11
PH, FIELD	SM4500-H+B	07/25/00	0940	CSC	0.01
TDS	SM2540C	07/26/00	1300	JKH	1

FLOWERS CHEMICAL LABORATORIES INCORPORATED

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

Date Reported : Aug 8 2000
Project Number : WPLandfill-14
PO Number : 111887
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I
Date Sampled:Jul25 2000 Date Received:Jul26 2000 Lab Numbers: 8232-8235

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	8232 EQ BLANK	8233 TANK1	8234 TANK2	8235 TANK 2DUP
Silver	mg/L	.00005	94.8	4.76	<5e-05	<5e-05	<5e-05	<5e-05
Arsenic	mg/L	.00010	86.2	1.20	<.0001	.00337	.00452	.00368
Barium	mg/L	.00010	105.	6.63	<.0001	0.0136	.00336	.00256
Beryllium	mg/L	.00010	108.	7.83	<.0001	<.0001	<.0001	<.0001
Cadmium	mg/L	.00010	99.3	6.47	<.0001	<.0001	<.0001	<.0001
Cobalt	mg/L	.00010	93.8	8.52	<.0001	<.0001	<.0001	<.0001
Chromium	mg/L	.00010	101.	7.62	.00053	.00578	.00404	.00367
Copper	mg/L	.00010	99.9	9.55	<.0001	<.0001	.00204	.00118
Nickel	mg/L	.00010	103.	10.9	<.0001	<.0001	<.0001	<.0001
Lead	mg/L	.00010	95.4	10.4	<.0001	<.0001	<.0001	<.0001
Antimony	mg/L	.00010	99.7	6.42	<.0001	<.0001	<.0001	<.0001
Selenium	mg/L	.00010	94.6	2.54	.00011	<.0001	<.0001	<.0001
Thallium	mg/L	.00010	92.0	8.31	<.0001	<.0001	<.0001	<.0001
Vanadium	mg/L	.00010	82.0	.550	<.0001	.00058	.00251	.00257
Zinc	mg/L	.00010	113.	6.47	<.0001	<.0001	<.0001	<.0001
Dilution_Factor		-	-	-	1.00	1.00	1.00	1.00
Acetone	ug/L	5.00	85.5	.660	<5.00	<5.00	<5.00	<5.00
Benzene	ug/L	1.00	98.1	.280	<1.00	<1.00	<1.00	<1.00
Bromobenzene	ug/L	1.00	102.	.760	<1.00	<1.00	<1.00	<1.00
Bromochloromethane	ug/L	1.00	100.	.630	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	ug/L	1.00	96.8	1.86	<1.00	<1.00	<1.00	<1.00
Bromoform	ug/L	1.00	93.7	2.23	<1.00	<1.00	<1.00	<1.00
Bromomethane	ug/L	1.00	70.8	.440	<1.00	<1.00	<1.00	<1.00
n-butylbenzene	ug/L	1.00	93.3	1.55	<1.00	<1.00	<1.00	<1.00
sec-butylbenzene	ug/L	1.00	96.2	2.17	<1.00	<1.00	<1.00	<1.00
tert-butlybenzene	ug/L	1.00	97.2	1.82	<1.00	<1.00	<1.00	<1.00

Certificate of Results

Sample integrity certified prior to analysis. Test results meet all requirments 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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ALTAMONTE SPRINGS,
FLORIDA 32701
P.O. BOX 150597
ALTAMONTE SPRINGS,
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110
WEB: www.flowerslabs.com

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INCORPORATED

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

Date Reported : Aug 8 2000
Project Number : WPLandfill-14
PO Number : 111887
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I
Date Sampled:Jul25 2000 Date Received:Jul26 2000 Lab Numbers: 8232-8235

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	8232 EQ BLANK	8233 TANK1	8234 TANK2	8235 TANK 2DUP
Carbon disulfide	ug/L	1.00	135.	3.84	<1.00	<1.00	<1.00	<1.00
Carbon tetrachloride	ug/L	1.00	97.0	.180	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	ug/L	1.00	98.3	3.27	<1.00	<1.00	<1.00	<1.00
Chloroethane	ug/L	1.00	93.3	.940	<1.00	<1.00	<1.00	<1.00
Chloroform	ug/L	1.00	98.1	.500	<1.00	<1.00	<1.00	<1.00
Chloromethane	ug/L	1.00	84.1	.040	<1.00	<1.00	<1.00	<1.00
2-chlorotoluene	ug/L	1.00	101.	.450	<1.00	<1.00	<1.00	<1.00
4-chlorotoluene	ug/L	1.00	101.	1.48	<1.00	<1.00	<1.00	<1.00
Dibromochloromethane	ug/L	1.00	98.5	2.69	<1.00	<1.00	<1.00	<1.00
1,2-dibromo-3-chloro	ug/L	1.00	97.1	.720	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	ug/L	1.00	101.	2.06	<1.00	<1.00	<1.00	<1.00
Dibromomethane	ug/L	1.00	101.	1.61	<1.00	<1.00	<1.00	<1.00
o-dichlorobenzene	ug/L	1.00	95.7	.730	<1.00	<1.00	<1.00	<1.00
m-dichlorobenzene	ug/L	1.00	97.2	1.24	<1.00	<1.00	<1.00	<1.00
Para-dichlorobenzene	ug/L	1.00	97.1	2.04	<1.00	<1.00	<1.00	<1.00
Dichlorodifluorometh	ug/L	1.00	98.2	.070	<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
1,1-dichloroethane	ug/L	1.00	101.	.170	<1.00	<1.00	<1.00	<1.00
1,2-dichloroethane	ug/L	1.00	98.2	1.66	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	ug/L	1.00	101.	1.89	<1.00	<1.00	<1.00	<1.00
cis-1,2-dichloroethe	ug/L	1.00	101.	.590	<1.00	<1.00	<1.00	<1.00
t-1,2-dichloroethene	ug/L	1.00	102.	1.25	<1.00	<1.00	<1.00	<1.00
1,2-dichloroethene	ug/L	1.00	101.	.920	<1.00	<1.00	<1.00	<1.00
1,2-dichloropropane	ug/L	1.00	101.	1.16	<1.00	<1.00	<1.00	<1.00
1,3-dichloropropane	ug/L	1.00	102.	1.14	<1.00	<1.00	<1.00	<1.00
2,2-dichloropropane	ug/L	1.00	103.	.100	<1.00	<1.00	<1.00	<1.00

Certificate of Results

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

481 NEWBURYPORT AVE.
ALTAMONTE SPRINGS,
FLORIDA 32701
P.O. BOX 150597
ALTAMONTE SPRINGS,
FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110
WEB: www.flowerslabs.com

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Received From:
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8864 Government Dr.
New Port Richey,FL 34654

Date Reported : Aug 8 2000
Project Number : WPLandfill-14
PO Number : 111887
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I
Date Sampled:Jul25 2000 Date Received:Jul26 2000 Lab Numbers: 8232-8235

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	8232 EQ BLANK	8233 TANK1	8234 TANK2	8235 TANK 2DUP
1,1-dichloropropene	ug/L	1.00	99.1	.420	<1.00	<1.00	<1.00	<1.00
cis-1,3-dichloroprop	ug/L	1.00	99.8	1.63	<1.00	<1.00	<1.00	<1.00
trans-1,3,-dichlorop	ug/L	1.00	99.1	2.64	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	ug/L	1.00	106.	3.49	<1.00	<1.00	<1.00	<1.00
Hexachlorobutadiene	ug/L	1.00	94.2	1.95	<1.00	<1.00	<1.00	<1.00
2-Hexanone	ug/L	1.00	112.	1.14	<1.00	<1.00	<1.00	<1.00
Hexachloroethane	ug/L	1.00			<1.00	<1.00	<1.00	<1.00
Isopropylbenzene	ug/L	1.00	100.	.240	<1.00	<1.00	<1.00	<1.00
4-isopropyltoluene	ug/L	1.00	98.2	.860	<1.00	<1.00	<1.00	<1.00
Methylene chloride	ug/L	1.00	93.5	.340	<1.00	<1.00	<1.00	<1.00
Methyl-tert-butyleth	ug/L	1.00	103.	.000	<1.00	<1.00	<1.00	<1.00
2-butanone	ug/L	1.00	61.7	1.75	<1.00	<1.00	<1.00	<1.00
Methyl_iodide	ug/L	1.00	109.	.450	<1.00	<1.00	<1.00	<1.00
4-methlyl-2-pentanon	ug/L	1.00	96.5	1.25	<1.00	<1.00	<1.00	<1.00
Naphthalene	ug/L	1.00	101.	4.68	<1.00	3.05	<1.00	<1.00
propylbenzene	ug/L	1.00	102.	1.25	<1.00	<1.00	<1.00	<1.00
Styrene	ug/L	1.00	102.	4.32	<1.00	<1.00	<1.00	<1.00
1,1,1,2-tetrachloroe	ug/L	1.00	107.	1.69	<1.00	<1.00	<1.00	<1.00
1,1,2,2-tetrachloroe	ug/L	1.00	99.0	1.54	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	ug/L	1.00	108.	.190	<1.00	<1.00	<1.00	<1.00
Toluene	ug/L	1.00	100.	4.49	<1.00	<1.00	<1.00	<1.00
1,2,3-trichlorobenze	ug/L	1.00	105.	1.55	<1.00	<1.00	<1.00	<1.00
1,2,4-trichlorobenze	ug/L	1.00	109.	1.13	<1.00	<1.00	<1.00	<1.00
1,1,1-trichloroethan	ug/L	1.00	99.0	.000	<1.00	<1.00	<1.00	<1.00
1,1,2-trichloroethan	ug/L	1.00	103.	1.06	<1.00	<1.00	<1.00	<1.00
Trichloroethene	ug/L	1.00	101.	.730	<1.00	<1.00	<1.00	<1.00

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FLORIDA 32715-0597
BUS: (407) 339-5984
FAX: (407) 260-6110
WEB: www.flowerslabs.com

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New Port Richey,FL 34654

Date Reported : Aug 8 2000
Project Number : WPLandfill-14
PO Number : 111887
FLDOH Number : E83018
NYSDOH Number : 11595
CTDPH Number : 0173
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I
Date Sampled:Jul25 2000 Date Received:Jul26 2000 Lab Numbers: 8232-8235

REPORT OF ANALYSIS

Parameter	Unit	Reportable Detection Limit	%Rec	%RSD	8232 EQ BLANK	8233 TANK1	8234 TANK2	8235 TANK 2DUP
Trichlorofluorometha	ug/L	1.00	98.7	.140	<1.00	<1.00	<1.00	<1.00
1,2,3-trichloropropa	ug/L	1.00	137.	.840	<1.00	<1.00	<1.00	<1.00
1,2,4-trimethylbenze	ug/L	1.00	99.6	.780	<1.00	<1.00	<1.00	<1.00
1,3,5-trimethylbenze	ug/L	1.00	101.	.100	<1.00	<1.00	<1.00	<1.00
Vinyl acetate	ug/L	5.00			<5.00	<5.00	<5.00	<5.00
Vinyl chloride	ug/L	1.00	93.5	.070	<1.00	<1.00	<1.00	<1.00
Xylene	ug/L	1.00	107.	3.26	<1.00	<1.00	<1.00	<1.00
Surrogate_Spike1	ug/L	1.00	96.4	.920	30.1	30.5	31.4	30.8
Surrogate_Spike2	ug/L	1.00	101.	.600	29.1	30.0	29.8	30.5
Surrogate_Spike3	ug/L	1.00	101.	1.70	29.0	29.7	28.9	29.0

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For: Appendix I
Date Sampled:Jul25 2000 Date Received:Jul26 2000 Lab Numbers: 8232-8235

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range	Correlation
				8232	
Chromium	mg/L	359.	4.69	.00053	
Selenium	mg/L	0.659	0.0226	.00011	
Surrogate_Spike1	ug/L	56.7	45.9	30.1	
Surrogate_Spike2	ug/L	-	-	29.1	
Surrogate_Spike3	ug/L	63.0	46.2	29.0	
				8233	
Arsenic	mg/L	18.2	0.486	.00337	
Barium	mg/L	171.	4.02	0.0136	
Chromium	mg/L	359.	4.69	.00578	
Vanadium	mg/L	94.9	8.53	.00058	
Naphthalene	ug/L	9960	446.	3.05	
Surrogate_Spike1	ug/L	56.7	45.9	30.5	
Surrogate_Spike2	ug/L	-	-	30.0	
Surrogate_Spike3	ug/L	63.0	46.2	29.7	
				8234	
Arsenic	mg/L	18.2	0.486	.00452	
Barium	mg/L	171.	4.02	.00336	
Chromium	mg/L	359.	4.69	.00404	
Copper	mg/L	2810	47.8	.00204	
Vanadium	mg/L	94.9	8.53	.00251	
Surrogate_Spike1	ug/L	56.7	45.9	31.4	
Surrogate_Spike2	ug/L	-	-	29.8	
Surrogate_Spike3	ug/L	63.0	46.2	28.9	

The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

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For: Appendix I
Date Sampled:Jul25 2000 Date Received:Jul26 2000 Lab Numbers: 8232-8235

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range	Correlation
				8235	
Arsenic	mg/L	18.2	0.486	.00368	
Barium	mg/L	171.	4.02	.00256	
Chromium	mg/L	359.	4.69	.00367	
Copper	mg/L	2810	47.8	.00118	
Vanadium	mg/L	94.9	8.53	.00257	
Surrogate_Spike1	ug/L	56.7	45.9	30.8	
Surrogate_Spike2	ug/L	-	-	30.5	
Surrogate_Spike3	ug/L	63.0	46.2	29.0	

The above information is intended to highlight exceptional data as compared to the upper control limits (Limit) established for each of the parameters. Range exceedances are flagged by integer values in the Range column. The Expected values are derived from historical data. Expected is computed as either the mean or computed directly from another parameter using linear regression. All known correlation rule exceedances are listed as enumerated rule numbers in the Correlation column. Correlation pair rules are defined on the last page.

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3609	FLOWERS CHEMICAL LABORATORIES																		
	ANALYTICAL RESULTS FORM												FLDOH Number E83018						
			EqBlank	Tank 1	Tank 2	Tank 2Dup								QA	Section				
Parameter	Symbol	Unit	8232	8233	8234	8235							Method	MDL	%RSD	%Rec	Analys	Date	
Silver	•	mg/L	<0.00005U	<0.00005U	<0.00005U	<0.00005U							EPA6020	0.00005	4.76	94.8	EVB	07-28-2000 09:22	
Arsenic	•	mg/L	<0.0001U	0.00337	0.00452	0.00368							EPA6020	0.0001	1.20	86.2	EVB	07-28-2000 09:22	
Barium	•	mg/L	<0.0001U	0.0136	0.00336	0.00256							EPA6020	0.0001	6.63	105	EVB	07-28-2000 09:22	
Beryllium	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	7.83	108	EVB	07-28-2000 09:22	
Cadmium	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	6.47	99.3	EVB	07-28-2000 09:22	
Cobalt	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	8.52	93.8	EVB	07-28-2000 09:22	
Chromium	•	mg/L	0.000526	0.00578	0.00404	0.00367							EPA6020	0.0001	7.62	101	EVB	07-28-2000 09:22	
Copper	•	mg/L	<0.0001U	<0.0001U	0.00204	0.00118							EPA6020	0.0001	9.55	99.9	EVB	07-28-2000 09:22	
Nickel	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	10.9	103	EVB	07-28-2000 09:22	
Lead	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	10.4	95.4	EVB	07-28-2000 09:22	
Antimony	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	6.42	99.7	EVB	07-28-2000 09:22	
Selenium	•	mg/L	0.000107	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	2.54	94.6	EVB	07-28-2000 09:22	
Thallium	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	8.31	92.0	EVB	07-28-2000 09:22	
Vanadium	•	mg/L	<0.0001U	0.000583	0.00251	0.00257							EPA6020	0.0001	0.553	82.0	EVB	07-28-2000 09:22	
Zinc	•	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U							EPA6020	0.0001	6.47	113	EVB	07-28-2000 09:22	
Dilution Factor	•	#	1	1	1	1							EPA5030	1			CLS	08-02-00	
Acetone	•	ug/L	<5U	<5U	<5U	<5U							EPA8260	5	0.666	85.5	CLS	08-02-00	
Benzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.288	98.1	CLS	08-02-00	
Bromobenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.762	102	CLS	08-02-00	
Bromochloromethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.635	100	CLS	08-02-00	
Bromodichloromethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.86	96.8	CLS	08-02-00	
Bromoform	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	2.23	93.7	CLS	08-02-00	
Bromomethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.449	70.8	CLS	08-02-00	
n-butylbenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.55	93.3	CLS	08-02-00	
sec-butylbenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	2.17	96.2	CLS	08-02-00	
tert-butlybenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.82	97.2	CLS	08-02-00	
Carbon disulfide	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	3.84	135	CLS	08-02-00	
Carbon tetrachloride	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.182	97.0	CLS	08-02-00	
Chlorobenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	3.27	98.3	CLS	08-02-00	
Chloroethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.948	93.3	CLS	08-02-00	
Chloroform	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.505	98.1	CLS	08-02-00	
Chloromethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.0420	84.1	CLS	08-02-00	
2-chlorotoluene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.455	101	CLS	08-02-00	
4-chlorotoluene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.48	101	CLS	08-02-00	
Dibromochloromethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	2.69	98.5	CLS	08-02-00	
1,2-dibromo-3-chloroprop	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.728	97.1	CLS	08-02-00	
1,2-dibromoethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	2.06	101	CLS	08-02-00	
Dibromomethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.61	101	CLS	08-02-00	
o-dichlorobenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.739	95.7	CLS	08-02-00	
m-dichlorobenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.24	97.2	CLS	08-02-00	
Para-dichlorobenzene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	2.04	97.1	CLS	08-02-00	
Dichlorodifluoromethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.0720	98.2	CLS	08-02-00	
t-1,4-dichloro-2-butene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1			CLS	08-02-00	
1,1-dichloroethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.175	101	CLS	08-02-00	
1,2-dichloroethane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.66	98.2	CLS	08-02-00	
1,1-dichloroethene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.89	101	CLS	08-02-00	
cis-1,2-dichloroethene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.596	101	CLS	08-02-00	
t-1,2-dichloroethene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.25	102	CLS	08-02-00	
1,2-dichloroethene	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.923	101	CLS	08-02-00	
1,2-dichloropropane	•	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.16	101	CLS	08-02-00	

1,3-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.14	102	CLS	08-02-00
2,2-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.103	103	CLS	08-02-00
1,1-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.428	99.1	CLS	08-02-00
cis-1,3-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.63	99.8	CLS	08-02-00
trans-1,3,-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	2.64	99.1	CLS	08-02-00
Ethylbenzene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	3.49	106	CLS	08-02-00
Hexachlorobutadiene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.95	94.2	CLS	08-02-00
2-Hexanone	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.14	112	CLS	08-02-00
Hexachloroethane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1			CLS	08-02-00
Isopropylbenzene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.246	100	CLS	08-02-00
4-isopropyltoluene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.865	98.2	CLS	08-02-00
Methylene chloride	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.340	93.5	CLS	08-02-00
Methyl-tert-butylether	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0	103	CLS	08-02-00
2-butanone	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.75	61.7	CLS	08-02-00
Methyl_iodide	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.452	109	CLS	08-02-00
4-methlyl-2-pentanone	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.25	96.5	CLS	08-02-00
Naphthalene	*	ug/L	<1U	3.05	<1U	<1U							EPA8260	1	4.68	101	CLS	08-02-00
Propylbenzene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.25	102	CLS	08-02-00
Styrene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	4.32	102	CLS	08-02-00
1,1,1,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.69	107	CLS	08-02-00
1,1,2,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.54	99.0	CLS	08-02-00
Tetrachloroethene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.196	108	CLS	08-02-00
Toluene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	4.49	100	CLS	08-02-00
1,2,3-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.55	105	CLS	08-02-00
1,2,4-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.13	109	CLS	08-02-00
1,1,1-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0	99.0	CLS	08-02-00
1,1,2-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	1.06	103	CLS	08-02-00
Trichloroethene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.736	101	CLS	08-02-00
Trichlorofluoromethane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.143	98.7	CLS	08-02-00
1,2,3-trichloropropane	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.849	137	CLS	08-02-00
1,2,4-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.781	99.6	CLS	08-02-00
1,3,5-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.105	101	CLS	08-02-00
Vinyl acetate	*	ug/L	<5U	<5U	<5U	<5U							EPA8260	5			CLS	08-02-00
Vinyl chloride	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	0.0756	93.5	CLS	08-02-00
Xylene	*	ug/L	<1U	<1U	<1U	<1U							EPA8260	1	3.26	107	CLS	08-02-00
Surrogate_Spike1	*	ug/L	30.1	30.5	31.4	30.8							EPA8260	1	0.929	96.4	CLS	08-02-00
Surrogate_Spike2	*	ug/L	29.1	30.0	29.8	30.5							EPA8260	1	0.608	101	CLS	08-02-00
Surrogate_Spike3	*	ug/L	29.0	29.7	28.9	29.0							EPA8260	1	1.70	101	CLS	08-02-00
-	*	-											-	0.001				

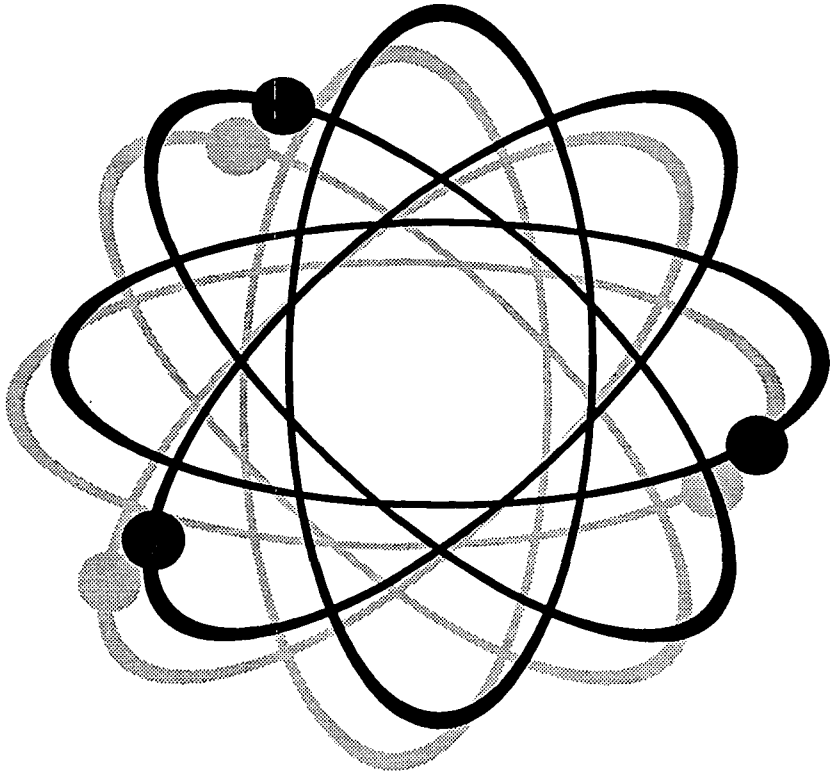
Date Received: 07-26-00 Typed: 08-08-00 Sent: 08-08-00

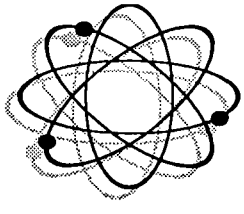
Project Number	WPLandfill-14	Qualifier Key	
PO Number	111887	J	Surrogate recovery limits have been exceeded; No known quality control criteria exists for the component;
Date Sampled	1 07-25-00 *		The sample matrix interfered with the ability to make any accurate determination;
Date Analyzed	0		The reported value is between the MDL and the PQL.
Compacted	1	Q	Sample held beyond the accepted holding time.
Format	NormRR	U	Indicates that the compound was analyzed for but not detected.
Unit Cost	Exted	V	Indicates that the analyte was detected in both the sample and the associated method blank.
Appendix I	18500 4 *		

Quality Assurance Report

Prepared for: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
Lab Numbers: 8232 - 8235

Report date: 8-Aug-00





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FLOWERS CHEMICAL LABORATORIES, INC.

QA SDG Narrative Summary

Client:	Pasco Co. Utilities Env. Lab
Project Number:	WPLandfill-14
P.O. Number:	111887
Date Sampled:	25-Jul-00
Lab Numbers:	8232 - 8235

Sample Handling

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

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

Surrogate Compound Recoveries:

The recovery limits were met for all samples as shown in section 1. This represents complete success.

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.

QCCS 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 14 calibration standards as shown in section 5. This represents a 82.9% success rate.

The t-test limits were exceeded for 7 QCCS standards as shown in section 5. This represents a 91.5% success rate.

The t-test limits were exceeded for 7 matrix spike standards as shown in section 5. This represents a 91.5% success rate.

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Surrogate_Spike1 for EPA8260 — Surrogate Expected: 30
Unit of measure: ug/L — Acceptability Limits: 5.49 - 55.7

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
8232	EqBlank	30.1	100
8233	Tank 1	30.5	102
8234	Tank 2	31.4	105
8235	Tank 2Dup	30.8	103

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Surrogate_Spike2 for EPA8260
Unit of measure: ug/L

Surrogate Expected: 30
Acceptability Limits: 25.6 - 34.4

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
8232	EqBlank	29.1	97.0
8233	Tank 1	30.0	100
8234	Tank 2	29.8	99.3
8235	Tank 2Dup	30.5	102

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Surrogate_Spike3 for EPA8260
Unit of measure: ug/L

Surrogate Expected: 30
Acceptability Limits: 24.6 - 34.2

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
8232	EqBlank	29.0	96.7
8233	Tank 1	29.7	99.0
8234	Tank 2	28.9	96.3
8235	Tank 2Dup	29.0	96.7

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

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	07-28-2000 09:22	0.1	0.001	0.096	94.8%	0.091	89.8%	0.065 - 0.133	0.004	0 - 0.021
Arsenic	mg/L	EPA6020	07-28-2000 09:22	0.1	0.023	0.110	86.2%	0.111	87.7%	0.098 - 0.155	0.001	0 - 0.015
Barium	mg/L	EPA6020	07-28-2000 09:22	0.1	0.065	0.170	105%	0.158	92.5%	0.134 - 0.207	0.009	0 - 0.013
Beryllium	mg/L	EPA6020	07-28-2000 09:22	0.1	<0.0001	0.108	108%	0.118	118%	0.065 - 0.150	0.007	0 - 0.022
Cadmium	mg/L	EPA6020	07-28-2000 09:22	0.1	<0.0001	0.099	99.3%	0.092	92.3%	0.080 - 0.120	0.005	0 - 0.013
Cobalt	mg/L	EPA6020	07-28-2000 09:22	0.1	0.035	0.129	93.8%	0.142	107%	0.096 - 0.172	0.009	0 - 0.017
Chromium	mg/L	EPA6020	07-28-2000 09:22	0.1	0.002	0.103	101%	0.095	92.5%	0.077 - 0.129	0.006	0 - 0.016
Copper	mg/L	EPA6020	07-28-2000 09:22	0.1	0.005	0.105	99.9%	0.094	89.2%	0.068 - 0.133	0.008	0 - 0.019
Nickel	mg/L	EPA6020	07-28-2000 09:22	0.1	0.002	0.105	103%	0.093	91.0%	0.071 - 0.129	0.009	0 - 0.016
Lead	mg/L	EPA6020	07-28-2000 09:22	0.1	0.006	0.101	95.4%	0.090	84.2%	0.085 - 0.132	0.008	0 - 0.012
Antimony	mg/L	EPA6020	07-28-2000 09:22	0.1	0.000	0.100	99.7%	0.093	92.7%	0.077 - 0.129	0.005	0 - 0.016
Selenium	mg/L	EPA6020	07-28-2000 09:22	0.1	0.002	0.097	94.6%	0.094	91.8%	0.074 - 0.131	0.002	0 - 0.016
Thallium	mg/L	EPA6020	07-28-2000 09:22	0.1	<0.0001	0.092	92.0%	0.084	83.8%	0.077 - 0.128	0.006	0 - 0.016
Vanadium	mg/L	EPA6020	07-28-2000 09:22	0.1	0.039	0.121	82.0%	0.120	81.3%	0.105 - 0.183	0.001	0 - 0.018
Zinc	mg/L	EPA6020	07-28-2000 09:22	0.1	0.278	0.390	113%	0.363	85.0%	0.228 - 0.491	0.019	0 - 0.020
Acetone	ug/L	EPA8260	08-02-00	200	23.2	193	84.9%	195	85.9%	96.4 - 343	1.41	0 - 64.8
Benzene	ug/L	EPA8260	08-02-00	20	<1	19.7	98.5%	19.6	98.0%	13.1 - 25.0	0.071	0 - 3.73
Bromobenzene	ug/L	EPA8260	08-02-00	20	<1	20.5	103%	20.3	102%	14.3 - 24.0	0.141	0 - 2.69
Bromochloromethane	ug/L	EPA8260	08-02-00	20	<1	20.1	101%	20.0	100%	13.9 - 25.3	0.071	0 - 3.34
Bromodichloromethane	ug/L	EPA8260	08-02-00	20	<1	19.6	98.0%	19.1	95.5%	14.4 - 25.0	0.354	0 - 2.58
Bromoform	ug/L	EPA8260	08-02-00	20	<1	19.0	95.0%	18.5	92.5%	12.1 - 26.4	0.354	0 - 3.72
Bromomethane	ug/L	EPA8260	08-02-00	20	<1	14.2	71.0%	14.1	70.5%	12.4 - 28.0	0.071	0 - 4.87
n-butylbenzene	ug/L	EPA8260	08-02-00	20	<1	18.9	94.5%	18.5	92.5%	13.2 - 24.4	0.283	0 - 2.70
sec-butylbenzene	ug/L	EPA8260	08-02-00	20	<1	19.5	97.5%	18.9	94.5%	14.2 - 24.1	0.424	0 - 2.56
tert-butlybenzene	ug/L	EPA8260	08-02-00	20	<1	19.7	98.5%	19.2	96.0%	14.3 - 24.7	0.354	0 - 2.63
Carbon disulfide	ug/L	EPA8260	08-02-00	20	<1	27.8	139%	26.3	132%	9.40 - 30.4	1.06	0 - 4.81
Carbon tetrachloride	ug/L	EPA8260	08-02-00	20	<1	19.4	97.0%	19.4	97.0%	11.4 - 28.2	0.000	0 - 4.19
Chlorobenzene	ug/L	EPA8260	08-02-00	20	<1	20.1	101%	19.2	96.0%	15.9 - 23.6	0.636	0 - 2.30
Chloroethane	ug/L	EPA8260	08-02-00	20	<1	18.5	92.5%	18.8	94.0%	11.0 - 27.5	0.212	0 - 4.43
Chloroform	ug/L	EPA8260	08-02-00	20	<1	19.6	98.0%	19.7	98.5%	13.4 - 26.2	0.071	0 - 3.85
Chloromethane	ug/L	EPA8260	08-02-00	20	<1	16.8	84.0%	16.8	84.0%	10.2 - 26.6	0.000	0 - 4.14
2-chlorotoluene	ug/L	EPA8260	08-02-00	20	<1	20.3	102%	20.1	101%	13.9 - 24.6	0.141	0 - 2.70
4-chlorotoluene	ug/L	EPA8260	08-02-00	20	<1	20.3	102%	19.9	99.5%	13.7 - 24.3	0.283	0 - 2.30
Dibromochloromethane	ug/L	EPA8260	08-02-00	20	<1	20.1	101%	19.3	96.5%	14.5 - 25.0	0.566	0 - 3.07
1,2-dibromo-3-chloropropan	ug/L	EPA8260	08-02-00	20	<1	19.3	96.5%	19.5	97.5%	10.9 - 27.3	0.141	0 - 3.98

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

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	08-02-00	20	<1	20.6	103%	20.0	100%	14.8 - 24.6	0.424	0 - 3.15
Dibromomethane	ug/L	EPA8260	08-02-00	20	<1	20.4	102%	19.9	99.5%	15.3 - 24.5	0.354	0 - 2.70
o-dichlorobenzene	ug/L	EPA8260	08-02-00	20	<1	19.2	96.0%	19.0	95.0%	14.5 - 24.5	0.141	0 - 2.47
m-dichlorobenzene	ug/L	EPA8260	08-02-00	20	<1	19.6	98.0%	19.3	96.5%	14.6 - 24.1	0.212	0 - 2.44
Para-dichlorobenzene	ug/L	EPA8260	08-02-00	20	<1	19.7	98.5%	19.1	95.5%	14.5 - 24.0	0.424	0 - 2.45
Dichlorodifluoromethane	ug/L	EPA8260	08-02-00	20	<1	19.6	98.0%	19.7	98.5%	8.50 - 27.1	0.071	0 - 4.40
1,1-dichloroethane	ug/L	EPA8260	08-02-00	20	<1	20.3	102%	20.2	101%	12.3 - 27.1	0.071	0 - 3.93
1,2-dichloroethane	ug/L	EPA8260	08-02-00	20	<1	19.9	99.5%	19.4	97.0%	12.9 - 26.1	0.354	0 - 3.60
1,1-dichloroethene	ug/L	EPA8260	08-02-00	20	<1	19.9	99.5%	20.5	103%	12.0 - 27.0	0.424	0 - 3.92
cis-1,2-dichloroethene	ug/L	EPA8260	08-02-00	20	<1	20.1	101%	20.3	102%	14.1 - 25.0	0.141	0 - 3.23
t-1,2-dichloroethene	ug/L	EPA8260	08-02-00	20	<1	20.2	101%	20.6	103%	12.0 - 26.4	0.283	0 - 3.74
1,2-dichloroethene	ug/L	EPA8260	08-02-00	40	<1	40.3	101%	40.9	102%	27.7 - 50.7	0.424	0 - 6.02
1,2-dichloropropane	ug/L	EPA8260	08-02-00	20	<1	20.4	102%	20.0	100%	13.9 - 25.4	0.283	0 - 3.22
1,3-dichloropropane	ug/L	EPA8260	08-02-00	20	<1	20.6	103%	20.3	102%	14.6 - 25.2	0.212	0 - 3.13
2,2-dichloropropane	ug/L	EPA8260	08-02-00	20	<1	20.7	104%	20.7	104%	6.38 - 26.3	0.000	0 - 5.64
1,1-dichloropropene	ug/L	EPA8260	08-02-00	20	<1	19.9	99.5%	19.8	99.0%	13.0 - 24.8	0.071	0 - 3.37
cis-1,3-dichloropropene	ug/L	EPA8260	08-02-00	20	<1	20.2	101%	19.7	98.5%	14.3 - 24.3	0.354	0 - 3.19
trans-1,3,-dichloropropene	ug/L	EPA8260	08-02-00	20	<1	20.2	101%	19.4	97.0%	13.2 - 25.4	0.566	0 - 3.42
Ethylbenzene	ug/L	EPA8260	08-02-00	20	<1	21.8	109%	20.8	104%	15.0 - 23.8	0.707	0 - 2.86
Hexachlorobutadiene	ug/L	EPA8260	08-02-00	20	<1	19.1	95.5%	18.6	93.0%	12.9 - 25.3	0.354	0 - 3.11
2-Hexanone	ug/L	EPA8260	08-02-00	20	<1	22.5	113%	22.2	111%	10.9 - 27.3	0.212	0 - 4.17
Isopropylbenzene	ug/L	EPA8260	08-02-00	20	<1	20.1	101%	20.1	101%	12.8 - 25.0	0.000	0 - 3.28
4-isopropyltoluene	ug/L	EPA8260	08-02-00	20	<1	19.8	99.0%	19.5	97.5%	14.6 - 23.7	0.212	0 - 2.51
Methylene chloride	ug/L	EPA8260	08-02-00	20	<1	18.7	93.5%	18.8	94.0%	12.0 - 28.0	0.071	0 - 4.20
Methyl-tert-butylether	ug/L	EPA8260	08-02-00	20	<1	20.6	103%	20.6	103%	9.44 - 27.2	0.000	0 - 4.79
2-butanone	ug/L	EPA8260	08-02-00	20	10.3	22.3	60.0%	22.9	63.0%	13.5 - 45.2	0.424	0 - 8.48
Methyl_iodide	ug/L	EPA8260	08-02-00	20	<1	21.8	109%	22.0	110%	10.4 - 31.2	0.141	0 - 4.63
4-methlyl-2-pentanone	ug/L	EPA8260	08-02-00	20	<1	19.5	97.5%	19.1	95.5%	8.14 - 26.9	0.283	0 - 4.20
Naphthalene	ug/L	EPA8260	08-02-00	20	<1	19.6	98.0%	20.9	105%	11.3 - 27.3	0.919	0 - 4.55
Propylbenzene	ug/L	EPA8260	08-02-00	20	<1	20.6	103%	20.3	102%	14.0 - 24.2	0.212	0 - 2.56
Styrene	ug/L	EPA8260	08-02-00	20	<1	21.1	106%	19.9	99.5%	12.6 - 28.6	0.849	0 - 4.24
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-02-00	20	<1	21.6	108%	21.1	106%	15.0 - 24.8	0.354	0 - 3.26
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-02-00	20	<1	20.0	100%	19.6	98.0%	11.1 - 26.4	0.283	0 - 3.90
Tetrachloroethene	ug/L	EPA8260	08-02-00	20	<1	21.7	109%	21.6	108%	10.0 - 28.4	0.071	0 - 5.08
Toluene	ug/L	EPA8260	08-02-00	20	<1	20.7	104%	19.4	97.0%	14.5 - 24.2	0.919	0 - 3.08

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

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	08-02-00	20	<1	21.2	106%	20.7	104%	11.9 - 26.6	0.354	0 - 4.26
1,2,4-trichlorobenzene	ug/L	EPA8260	08-02-00	20	<1	22.0	110%	21.7	109%	12.1 - 26.1	0.212	0 - 3.95
1,1,1-trichloroethane	ug/L	EPA8260	08-02-00	20	<1	19.8	99.0%	19.8	99.0%	13.2 - 25.6	0.000	0 - 3.15
1,1,2-trichloroethane	ug/L	EPA8260	08-02-00	20	<1	20.8	104%	20.5	103%	14.9 - 24.8	0.212	0 - 2.94
Trichloroethene	ug/L	EPA8260	08-02-00	20	<1	20.3	102%	20.1	101%	12.9 - 29.1	0.141	0 - 4.09
Trichlorofluoromethane	ug/L	EPA8260	08-02-00	20	<1	19.7	98.5%	19.8	99.0%	8.88 - 28.6	0.071	0 - 4.85
1,2,3-trichloropropane	ug/L	EPA8260	08-02-00	20	<1	27.3	137%	27.6	138%	11.2 - 28.0	0.212	0 - 4.02
1,2,4-trimethylbenzene	ug/L	EPA8260	08-02-00	20	<1	20.0	100%	19.8	99.0%	13.2 - 25.0	0.141	0 - 3.42
1,3,5-trimethylbenzene	ug/L	EPA8260	08-02-00	20	<1	20.2	101%	20.2	101%	13.9 - 24.3	0.000	0 - 2.65
Vinyl chloride	ug/L	EPA8260	08-02-00	20	<1	18.7	93.5%	18.7	93.5%	10.8 - 28.2	0.000	0 - 5.17
Xylene	ug/L	EPA8260	08-02-00	60	<1	65.5	109%	62.5	104%	45.2 - 72.0	2.12	0 - 8.26

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Analyte	Unit	Method	Date	Concentration
Silver	mg/L	EPA6020	07-28-2000 09:22	<0.00005
Arsenic	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Barium	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Beryllium	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Cadmium	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Cobalt	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Chromium	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Copper	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Nickel	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Lead	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Antimony	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Selenium	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Thallium	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Vanadium	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Zinc	mg/L	EPA6020	07-28-2000 09:22	<0.0001
Acetone	ug/L	EPA8260	08-02-00	<5
Benzene	ug/L	EPA8260	08-02-00	<1
Bromobenzene	ug/L	EPA8260	08-02-00	<1
Bromochloromethane	ug/L	EPA8260	08-02-00	<1
Bromodichloromethane	ug/L	EPA8260	08-02-00	<1
Bromoform	ug/L	EPA8260	08-02-00	<1
Bromomethane	ug/L	EPA8260	08-02-00	<1
n-butylbenzene	ug/L	EPA8260	08-02-00	<1
sec-butylbenzene	ug/L	EPA8260	08-02-00	<1
tert-butlybenzene	ug/L	EPA8260	08-02-00	<1
Carbon disulfide	ug/L	EPA8260	08-02-00	<1
Carbon tetrachloride	ug/L	EPA8260	08-02-00	<1
Chlorobenzene	ug/L	EPA8260	08-02-00	<1
Chloroethane	ug/L	EPA8260	08-02-00	<1

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Analyte	Unit	Method	Date	Concentration
Chloroform	ug/L	EPA8260	08-02-00	<1
Chloromethane	ug/L	EPA8260	08-02-00	<1
2-chlorotoluene	ug/L	EPA8260	08-02-00	<1
4-chlorotoluene	ug/L	EPA8260	08-02-00	<1
Dibromochloromethane	ug/L	EPA8260	08-02-00	<1
1,2-dibromo-3-chloropropane	ug/L	EPA8260	08-02-00	<1
1,2-dibromoethane	ug/L	EPA8260	08-02-00	<1
Dibromomethane	ug/L	EPA8260	08-02-00	<1
o-dichlorobenzene	ug/L	EPA8260	08-02-00	<1
m-dichlorobenzene	ug/L	EPA8260	08-02-00	<1
Para-dichlorobenzene	ug/L	EPA8260	08-02-00	<1
Dichlorodifluoromethane	ug/L	EPA8260	08-02-00	<1
t-1,4-dichloro-2-butene	ug/L	EPA8260	08-02-00	<1
1,1-dichloroethane	ug/L	EPA8260	08-02-00	<1
1,2-dichloroethane	ug/L	EPA8260	08-02-00	<1
1,1-dichloroethene	ug/L	EPA8260	08-02-00	<1
cis-1,2-dichloroethene	ug/L	EPA8260	08-02-00	<1
t-1,2-dichloroethene	ug/L	EPA8260	08-02-00	<1
1,2-dichloroethene	ug/L	EPA8260	08-02-00	<1
1,2-dichloropropane	ug/L	EPA8260	08-02-00	<1
1,3-dichloropropane	ug/L	EPA8260	08-02-00	<1
2,2-dichloropropane	ug/L	EPA8260	08-02-00	<1
1,1-dichloropropene	ug/L	EPA8260	08-02-00	<1
cis-1,3-dichloropropene	ug/L	EPA8260	08-02-00	<1
trans-1,3,-dichloropropene	ug/L	EPA8260	08-02-00	<1
Ethylbenzene	ug/L	EPA8260	08-02-00	<1
Hexachlorobutadiene	ug/L	EPA8260	08-02-00	<1
2-Hexanone	ug/L	EPA8260	08-02-00	<1
Hexachloroethane	ug/L	EPA8260	08-02-00	<1

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Analyte	Unit	Method	Date	Concentration
Isopropylbenzene	ug/L	EPA8260	08-02-00	<1
4-isopropyltoluene	ug/L	EPA8260	08-02-00	<1
Methylene chloride	ug/L	EPA8260	08-02-00	<1
Methyl-tert-butylether	ug/L	EPA8260	08-02-00	<1
2-butanone	ug/L	EPA8260	08-02-00	<1
Methyl_iodide	ug/L	EPA8260	08-02-00	<1
4-methlyl-2-pentanone	ug/L	EPA8260	08-02-00	<1
Naphthalene	ug/L	EPA8260	08-02-00	<1
Propylbenzene	ug/L	EPA8260	08-02-00	<1
Styrene	ug/L	EPA8260	08-02-00	<1
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-02-00	<1
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-02-00	<1
Tetrachloroethene	ug/L	EPA8260	08-02-00	<1
Toluene	ug/L	EPA8260	08-02-00	<1
1,2,3-trichlorobenzene	ug/L	EPA8260	08-02-00	<1
1,2,4-trichlorobenzene	ug/L	EPA8260	08-02-00	<1
1,1,1-trichloroethane	ug/L	EPA8260	08-02-00	<1
1,1,2-trichloroethane	ug/L	EPA8260	08-02-00	<1
Trichloroethene	ug/L	EPA8260	08-02-00	<1
Trichlorofluoromethane	ug/L	EPA8260	08-02-00	<1
1,2,3-trichloropropane	ug/L	EPA8260	08-02-00	<1
1,2,4-trimethylbenzene	ug/L	EPA8260	08-02-00	<1
1,3,5-trimethylbenzene	ug/L	EPA8260	08-02-00	<1
Vinyl acetate	ug/L	EPA8260	08-02-00	<5
Vinyl chloride	ug/L	EPA8260	08-02-00	<1
Xylene	ug/L	EPA8260	08-02-00	<1

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Silver	mg/L	EPA6020	7-28-2000 09:2	0.200	0.189	94.5%	0.167 - 0.237
Arsenic	mg/L	EPA6020	7-28-2000 09:2	0.200	0.229	115%	0.174 - 0.221
Barium	mg/L	EPA6020	7-28-2000 09:2	0.200	0.204	102%	0.173 - 0.231
Beryllium	mg/L	EPA6020	7-28-2000 09:2	0.100	0.093	93.4%	0.071 - 0.134
Cadmium	mg/L	EPA6020	7-28-2000 09:2	0.200	0.194	97.0%	0.175 - 0.222
Cobalt	mg/L	EPA6020	7-28-2000 09:2	0.200	0.221	110%	0.164 - 0.234
Chromium	mg/L	EPA6020	7-28-2000 09:2	0.200	0.217	109%	0.167 - 0.231
Copper	mg/L	EPA6020	7-28-2000 09:2	0.100	0.110	110%	0.078 - 0.117
Nickel	mg/L	EPA6020	7-28-2000 09:2	0.100	0.114	114%	0.081 - 0.115
Lead	mg/L	EPA6020	7-28-2000 09:2	0.200	0.188	94.0%	0.170 - 0.240
Antimony	mg/L	EPA6020	7-28-2000 09:2	0.200	0.202	101%	0.168 - 0.224
Selenium	mg/L	EPA6020	7-28-2000 09:2	0.200	0.192	95.8%	0.167 - 0.230
Thallium	mg/L	EPA6020	7-28-2000 09:2	0.200	0.179	89.5%	0.168 - 0.239
Vanadium	mg/L	EPA6020	7-28-2000 09:2	0.100	0.098	97.6%	0.084 - 0.117
Zinc	mg/L	EPA6020	7-28-2000 09:2	0.100	0.104	104%	0.078 - 0.117
Acetone	ug/L	EPA8260	08-02-00	100	96.3	96.3%	41.6 - 156
Benzene	ug/L	EPA8260	08-02-00	10.0	10.3	103%	6.02 - 13.3
Bromobenzene	ug/L	EPA8260	08-02-00	10.0	10.9	109%	6.59 - 12.9
Bromochloromethane	ug/L	EPA8260	08-02-00	10.0	10.4	104%	6.98 - 12.3
Bromodichloromethane	ug/L	EPA8260	08-02-00	10.0	9.81	98.1%	6.91 - 12.5
Bromoform	ug/L	EPA8260	08-02-00	10.0	9.50	95.0%	5.65 - 13.6
Bromomethane	ug/L	EPA8260	08-02-00	10.0	7.42	74.2%	5.80 - 14.8
n-butylbenzene	ug/L	EPA8260	08-02-00	10.0	9.80	98.0%	5.91 - 12.8
sec-butylbenzene	ug/L	EPA8260	08-02-00	10.0	10.0	100%	6.26 - 13.2
tert-butlybenzene	ug/L	EPA8260	08-02-00	10.0	10.0	100%	6.04 - 13.9
Carbon disulfide	ug/L	EPA8260	08-02-00	10.0	13.6	136%	4.84 - 15.8
Carbon tetrachloride	ug/L	EPA8260	08-02-00	10.0	9.80	98.0%	5.57 - 13.9
Chlorobenzene	ug/L	EPA8260	08-02-00	10.0	9.56	95.6%	7.38 - 12.5
Chloroethane	ug/L	EPA8260	08-02-00	10.0	9.46	94.6%	4.69 - 15.1
Chloroform	ug/L	EPA8260	08-02-00	10.0	10.2	102%	6.42 - 14.0
Chloromethane	ug/L	EPA8260	08-02-00	10.0	8.88	88.8%	4.30 - 14.3
2-chlorotoluene	ug/L	EPA8260	08-02-00	10.0	10.7	107%	6.11 - 13.5
4-chlorotoluene	ug/L	EPA8260	08-02-00	10.0	10.6	106%	6.13 - 13.2
Dibromochloromethane	ug/L	EPA8260	08-02-00	10.0	10.1	101%	6.81 - 12.5
1,2-dibromo-3-chloropropane	ug/L	EPA8260	08-02-00	10.0	9.47	94.7%	4.81 - 13.2

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
1,2-dibromoethane	ug/L	EPA8260	08-02-00	10.0	10.3	103%	7.14 - 12.1
Dibromomethane	ug/L	EPA8260	08-02-00	10.0	10.3	103%	7.31 - 12.5
o-dichlorobenzene	ug/L	EPA8260	08-02-00	10.0	10.0	100%	6.79 - 13.0
m-dichlorobenzene	ug/L	EPA8260	08-02-00	10.0	9.88	98.8%	6.80 - 12.9
Para-dichlorobenzene	ug/L	EPA8260	08-02-00	10.0	10.1	101%	6.81 - 12.8
Dichlorodifluoromethane	ug/L	EPA8260	08-02-00	10.0	10.2	102%	3.95 - 14.0
1,1-dichloroethane	ug/L	EPA8260	08-02-00	10.0	10.4	104%	6.01 - 13.6
1,2-dichloroethane	ug/L	EPA8260	08-02-00	10.0	10.0	100%	6.58 - 12.8
1,1-dichloroethene	ug/L	EPA8260	08-02-00	10.0	10.4	104%	5.87 - 13.7
cis-1,2-dichloroethene	ug/L	EPA8260	08-02-00	10.0	10.6	106%	6.93 - 12.6
t-1,2-dichloroethene	ug/L	EPA8260	08-02-00	10.0	10.3	103%	5.99 - 13.2
1,2-dichloroethene	ug/L	EPA8260	08-02-00	20.0	20.9	105%	13.7 - 25.5
1,2-dichloropropane	ug/L	EPA8260	08-02-00	10.0	10.3	103%	6.67 - 12.9
1,3-dichloropropane	ug/L	EPA8260	08-02-00	10.0	10.4	104%	7.29 - 12.3
2,2-dichloropropane	ug/L	EPA8260	08-02-00	10.0	10.8	108%	3.02 - 13.5
1,1-dichloropropene	ug/L	EPA8260	08-02-00	10.0	10.1	101%	6.52 - 12.2
cis-1,3-dichloropropene	ug/L	EPA8260	08-02-00	10.0	10.3	103%	6.46 - 12.4
trans-1,3,-dichloropropene	ug/L	EPA8260	08-02-00	10.0	10.2	102%	5.94 - 12.9
Ethylbenzene	ug/L	EPA8260	08-02-00	10.0	10.9	109%	6.28 - 13.2
Hexachlorobutadiene	ug/L	EPA8260	08-02-00	10.0	9.40	94.0%	5.72 - 13.8
2-Hexanone	ug/L	EPA8260	08-02-00	10.0	9.86	98.6%	4.83 - 13.8
Isopropylbenzene	ug/L	EPA8260	08-02-00	10.0	10.6	106%	5.88 - 14.5
4-isopropyltoluene	ug/L	EPA8260	08-02-00	10.0	9.75	97.5%	6.29 - 13.1
Methylene chloride	ug/L	EPA8260	08-02-00	10.0	10.3	103%	6.01 - 14.6
Methyl-tert-butylether	ug/L	EPA8260	08-02-00	10.0	9.92	99.2%	4.75 - 14.4
2-butanone	ug/L	EPA8260	08-02-00	10.0	10.4	104%	4.39 - 15.5
Methyl_iodide	ug/L	EPA8260	08-02-00	10.0	11.0	110%	5.21 - 16.2
4-methlyl-2-pentanone	ug/L	EPA8260	08-02-00	10.0	9.55	95.5%	4.01 - 12.9
Naphthalene	ug/L	EPA8260	08-02-00	10.0	9.67	96.7%	2.24 - 15.2
Propylbenzene	ug/L	EPA8260	08-02-00	10.0	10.9	109%	6.16 - 13.2
Styrene	ug/L	EPA8260	08-02-00	10.0	10.6	106%	6.34 - 14.3
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-02-00	10.0	10.8	108%	7.07 - 12.5
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-02-00	10.0	10.4	104%	5.68 - 13.4
Tetrachloroethene	ug/L	EPA8260	08-02-00	10.0	11.4	114%	4.99 - 14.4
Toluene	ug/L	EPA8260	08-02-00	10.0	10.4	104%	6.07 - 13.6

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
1,2,3-trichlorobenzene	ug/L	EPA8260	08-02-00	10.0	10.1	101%	4.03 - 13.9
1,2,4-trichlorobenzene	ug/L	EPA8260	08-02-00	10.0	10.1	101%	3.66 - 13.8
1,1,1-trichloroethane	ug/L	EPA8260	08-02-00	10.0	9.92	99.2%	6.70 - 12.7
1,1,2-trichloroethane	ug/L	EPA8260	08-02-00	10.0	10.6	106%	7.31 - 12.3
Trichloroethene	ug/L	EPA8260	08-02-00	10.0	10.7	107%	6.50 - 14.9
Trichlorofluoromethane	ug/L	EPA8260	08-02-00	10.0	9.92	99.2%	3.41 - 15.1
1,2,3-trichloropropane	ug/L	EPA8260	08-02-00	10.0	14.2	142%	6.25 - 13.8
1,2,4-trimethylbenzene	ug/L	EPA8260	08-02-00	10.0	10.6	106%	6.25 - 13.3
1,3,5-trimethylbenzene	ug/L	EPA8260	08-02-00	10.0	10.8	108%	6.15 - 13.4
Vinyl chloride	ug/L	EPA8260	08-02-00	10.0	9.49	94.9%	5.07 - 14.6
Xylene	ug/L	EPA8260	08-02-00	30.0	33.1	110%	18.5 - 40.4

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Silver	Fisher	16-155AS	1067	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	3.33	>1.70	0.935	0.078	1.01	0.040
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	1.97	±2.04	0.935	0.078	1.15	0.506
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	2.95	>1.70	0.935	0.078	1.02	0.070
Arsenic	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	11.3	>1.73	1.02	0.024	0.994	0.042
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	11.7	>1.73	1.02	0.024	0.978	0.031
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	1.66	±2.09	1.02	0.024	1.20	0.426
Barium	Fisher	16-155AS	1067	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	8.60	>1.69	0.983	0.040	1.02	0.026
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	10.7	>1.69	0.983	0.040	0.981	0.013
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	7.57	>1.69	0.983	0.040	1.03	0.038
Beryllium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	2.96	>1.68	1.03	0.092	1.10	0.066
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	3.02	>1.68	1.03	0.092	0.962	0.061
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			1.03	0.092	1.10	0.039
Cadmium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	6.24	>1.65	0.947	0.056	0.990	0.026
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	7.51	>1.65	0.947	0.056	0.958	0.014
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	6.10	>1.65	0.947	0.056	0.993	0.015
Cobalt	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	9.30	>1.69	1.01	0.039	0.985	0.027
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	9.19	>1.69	1.01	0.039	1.00	0.053
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			1.01	0.039	1.00	0.015
Chromium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	7.12	>1.65	1.00	0.058	1.02	0.023
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	7.63	>1.65	1.00	0.058	1.00	0.056
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	6.96	>1.65	1.00	0.058	1.02	0.029
Copper	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	9.35	>1.65	0.980	0.047	0.978	0.045
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	8.95	>1.65	0.980	0.047	0.967	0.004
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.980	0.047	0.955	0.032
Nickel	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	4.42	>1.65	0.972	0.091	0.992	0.010
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	4.63	>1.65	0.972	0.091	0.983	0.046
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.972	0.091	1.01	0.046
Lead	Fisher	16-85AS	1066	FG	11-10-99	12-31-00	1422	EVB	11-10-99	11-10-00	5.28	>1.68	1.02	0.072	1.00	0.028
QCCS																
Matrix Spike																
Antimony	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	2.78	>1.67	0.995	0.134	0.984	0.013
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	2.65	>1.67	0.995	0.134	0.957	0.030

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.995	0.134	0.985	0.022
Selenium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	3.42	>1.66	0.993	0.114	0.997	0.024
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	3.16	>1.66	0.993	0.114	0.955	0.011
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00	3.49	>1.66	0.993	0.114	0.972	0.046
Thallium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	2.46	>1.68	1.01	0.149	1.03	0.015
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	2.28	>1.68	1.01	0.149	1.06	0.068
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			1.01	0.149	1.03	0.028
Vanadium	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99	7.62	>1.69	0.983	0.033	1.06	0.011
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	10.9	>1.69	0.983	0.033	1.01	0.034
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.983	0.033	1.05	0.009
Zinc	Fisher	16-85AS	1066	LSM	11-10-99	12-31-99	1422	LSM	11-10-99	12-31-99			0.977	0.048	0.981	0.015
QCCS	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1446	EVB	01-19-00	12-30-00	7.34	>1.65	0.977	0.048	0.940	0.075
Matrix Spike	Fisher	9NFS30Z471	1095	EVB	01-10-00	12-30-00	1570	EVB	03-07-00	09-07-00			0.977	0.048	0.967	0.043
Acetone	EMS	B0050106	1276	CLS	07-07-00	12-09-00	1750	CLS	07-12-00	01-12-01	2.14	>1.68	0.978	0.089	1.09	0.070
QCCS	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	3.60	>1.68	0.978	0.089	1.03	0.082
Matrix Spike	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	3.60	>1.68	0.978	0.089	1.03	0.082
Benzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.51	>1.68	0.976	0.052	1.05	0.045
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.63	>1.68	0.976	0.052	1.02	0.025
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.63	>1.68	0.976	0.052	1.02	0.025
Bromobenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.75	>1.68	1.02	0.049	1.16	0.046
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.02	>1.68	1.02	0.049	1.07	0.059
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.02	>1.68	1.02	0.049	1.07	0.059
Bromochloromethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.62	>1.68	1.05	0.103	1.02	0.051
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.36	>1.68	1.05	0.103	1.01	0.035
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.36	>1.68	1.05	0.103	1.01	0.035
Bromodichloromethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.01	>1.76	0.947	0.054	1.03	0.042
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.11	>1.76	0.947	0.054	0.984	0.020
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.11	>1.76	0.947	0.054	0.984	0.020
Bromoform	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.98	>1.76	1.02	0.061	1.09	0.049
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.95	>1.76	1.02	0.061	1.00	0.073
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.95	>1.76	1.02	0.061	1.00	0.073
Bromomethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	11.3	±2.01	0.974	0.035	1.42	0.251
QCCS	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	4.00	±2.00	0.974	0.035	1.19	0.363

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	4.00	±2.00	0.974	0.035	1.19	0.363
n-butylbenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	7.12	>1.68	1.03	0.054	1.02	0.060
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	7.23	>1.68	1.03	0.054	1.03	0.055
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	7.23	>1.68	1.03	0.054	1.03	0.055
sec-butylbenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.16	>1.68	0.994	0.047	1.14	0.088
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.41	>1.68	0.994	0.047	1.07	0.031
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.41	>1.68	0.994	0.047	1.07	0.031
tert-butlybenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.76	>1.68	1.04	0.054	1.14	0.065
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.33	>1.68	1.04	0.054	1.04	0.086
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.33	>1.68	1.04	0.054	1.04	0.086
Carbon disulfide	EMS	B0050106	1276	CLS	07-07-00	12-09-00	1750	CLS	07-12-00	01-12-01	11.8	±2.01	1.00	0.056	1.36	0.150
QCCS	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	15.4	±2.00	1.00	0.056	1.38	0.127
Matrix Spike	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	15.4	±2.00	1.00	0.056	1.38	0.127
Carbon tetrachloride	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.88	>1.76	0.995	0.074	1.03	0.071
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.85	>1.76	0.995	0.074	0.987	0.054
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.85	>1.76	0.995	0.074	0.987	0.054
Chlorobenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.16	>1.75	1.00	0.052	1.09	0.043
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.45	>1.75	1.00	0.052	1.05	0.039
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.45	>1.75	1.00	0.052	1.05	0.039
Chloroethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.60	±2.12	0.993	0.074	1.13	0.077
QCCS	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	2.97	>1.76	0.993	0.074	1.06	0.083
Matrix Spike	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	2.97	>1.76	0.993	0.074	1.06	0.083
Chloroform	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.28	>1.76	0.966	0.053	1.07	0.042
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.33	>1.76	0.966	0.053	1.02	0.025
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.33	>1.76	0.966	0.053	1.02	0.025
Chloromethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	6.39	±2.01	0.954	0.079	1.19	0.134
QCCS	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	2.05	>1.68	0.954	0.079	1.07	0.178
Matrix Spike	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	2.05	>1.68	0.954	0.079	1.07	0.178
2-chlorotoluene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.09	±2.02	1.02	0.056	1.18	0.130
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.46	>1.68	1.02	0.056	1.05	0.033
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.46	>1.68	1.02	0.056	1.05	0.033
4-chlorotoluene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.18	±2.02	1.01	0.054	1.17	0.128
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.84	>1.68	1.01	0.054	1.04	0.031

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.84	>1.68	1.01	0.054	1.04	0.031
Dibromochloromethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.51	>1.76	0.973	0.063	0.962	0.053
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.31	>1.76	0.973	0.063	0.953	0.049
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.31	>1.76	0.973	0.063	0.953	0.049
1,2-dibromo-3-chloropropane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.47	>1.65	0.989	0.103	0.903	0.094
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.14	>1.65	0.989	0.103	1.04	0.032
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.14	>1.65	0.989	0.103	1.04	0.032
1,2-dibromoethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	6.65	>1.69	1.03	0.062	1.02	0.032
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.64	>1.69	1.03	0.062	1.03	0.062
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.64	>1.69	1.03	0.062	1.03	0.062
Dibromomethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.05	>1.69	1.07	0.118	1.04	0.034
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.88	>1.69	1.07	0.118	1.03	0.056
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.88	>1.69	1.07	0.118	1.03	0.056
o-dichlorobenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.68	>1.75	1.03	0.068	1.13	0.052
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.24	>1.75	1.03	0.068	1.05	0.037
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.24	>1.75	1.03	0.068	1.05	0.037
m-dichlorobenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.74	>1.75	1.00	0.059	1.10	0.077
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.57	>1.75	1.00	0.059	1.06	0.041
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.57	>1.75	1.00	0.059	1.06	0.041
Para-dichlorobenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.48	>1.75	1.02	0.092	1.10	0.066
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.12	>1.75	1.02	0.092	1.03	0.032
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.12	>1.75	1.02	0.092	1.03	0.032
Dichlorodifluoromethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.34	±2.01	1.01	0.082	1.18	0.171
QCCS	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	4.34	±2.00	1.01	0.082	1.23	0.302
Matrix Spike	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	4.34	±2.00	1.01	0.082	1.23	0.302
1,1-dichloroethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.30	>1.65	0.954	0.086	1.03	0.092
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.67	>1.65	0.954	0.086	1.01	0.083
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.67	>1.65	0.954	0.086	1.01	0.083
1,2-dichloroethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.42	>1.65	0.978	0.083	1.01	0.115
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.15	>1.65	0.978	0.083	0.972	0.091
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.15	>1.65	0.978	0.083	0.972	0.091
1,1-dichloroethene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	7.73	±1.97	0.942	0.093	1.22	0.122
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	7.63	±1.97	0.942	0.093	1.15	0.124

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer 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	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	7.63	±1.97	0.942	0.093	1.15	0.124
cis-1,2-dichloroethene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	11.8	>1.69	1.01	0.028	1.05	0.030
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	8.35	>1.69	1.01	0.028	1.06	0.070
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	8.35	>1.69	1.01	0.028	1.06	0.070
t-1,2-dichloroethene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.64	>1.76	1.01	0.063	1.11	0.056
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.12	>1.76	1.01	0.063	1.09	0.075
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.12	>1.76	1.01	0.063	1.09	0.075
1,2-dichloroethene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	1.70	>1.68	1.05	0.210	1.09	0.031
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	1.84	>1.68	1.05	0.210	1.07	0.072
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	1.84	>1.68	1.05	0.210	1.07	0.072
1,2-dichloropropane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.05	>1.68	1.02	0.096	0.996	0.035
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.77	>1.68	1.02	0.096	0.987	0.066
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.77	>1.68	1.02	0.096	0.987	0.066
1,3-dichloropropane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.10	>1.69	0.996	0.097	0.979	0.030
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.19	>1.69	0.996	0.097	0.984	0.041
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.19	>1.69	0.996	0.097	0.984	0.041
2,2-dichloropropane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	-1.33	±2.02	1.04	0.168	0.936	0.157
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	-1.69	±2.02	1.04	0.168	0.910	0.104
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	-1.69	±2.02	1.04	0.168	0.910	0.104
1,1-dichloropropene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	8.65	>1.69	1.02	0.043	1.04	0.027
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	8.45	>1.69	1.02	0.043	0.998	0.051
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	8.45	>1.69	1.02	0.043	0.998	0.051
cis-1,3-dichloropropene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.07	>1.76	0.977	0.063	0.951	0.052
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.02	>1.76	0.977	0.063	0.974	0.041
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.02	>1.76	0.977	0.063	0.974	0.041
trans-1,3,-dichloropropene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	7.08	>1.76	0.962	0.049	0.956	0.046
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	7.14	>1.76	0.962	0.049	0.953	0.042
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	7.14	>1.76	0.962	0.049	0.953	0.042
Ethylbenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.35	>1.68	0.975	0.047	1.06	0.020
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.82	>1.68	0.975	0.047	1.10	0.093
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.82	>1.68	0.975	0.047	1.10	0.093
Hexachlorobutadiene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.48	±2.05	0.736	0.125	0.994	0.143
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.15	±2.04	0.736	0.125	0.978	0.135

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.15	±2.04	0.736	0.125	0.978	0.135
2-Hexanone	EMS	B0050106	1276	CLS	07-07-00	12-09-00	1750	CLS	07-12-00	01-12-01	2.45	>1.68	1.03	0.095	0.964	0.241
QCCS	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	2.46	>1.68	1.03	0.095	1.11	0.170
Matrix Spike	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	2.46	>1.68	1.03	0.095	1.11	0.170
Isopropylbenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.75	>1.68	1.02	0.045	1.13	0.077
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.76	>1.68	1.02	0.045	1.06	0.021
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.76	>1.68	1.02	0.045	1.06	0.021
4-isopropyltoluene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.53	>1.69	1.01	0.040	1.12	0.045
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.37	>1.69	1.01	0.040	1.06	0.086
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.37	>1.69	1.01	0.040	1.06	0.086
Methylene chloride	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	1.80	>1.76	1.00	0.061	1.13	0.093
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.77	>1.76	1.00	0.061	1.06	0.128
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.77	>1.76	1.00	0.061	1.06	0.128
Methyl-tert-butylether	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.40	>1.71	0.951	0.066	1.00	0.067
QCCS	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	3.45	>1.71	0.951	0.066	1.04	0.061
Matrix Spike	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	3.45	>1.71	0.951	0.066	1.04	0.061
2-butanone	EMS	B0050106	1276	CLS	07-07-00	12-09-00	1750	CLS	07-12-00	01-12-01	1.96	±2.01	1.01	0.167	1.18	0.326
QCCS	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	1.89	±2.01	1.01	0.167	1.14	0.258
Matrix Spike	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	1.89	±2.01	1.01	0.167	1.14	0.258
Methyl_iodide	EMS	B0050106	1276	CLS	07-07-00	12-09-00	1750	CLS	07-12-00	01-12-01	3.37	>1.68	1.00	0.051	1.11	0.085
QCCS	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	2.08	>1.68	1.00	0.051	1.16	0.045
Matrix Spike	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	2.08	>1.68	1.00	0.051	1.16	0.045
4-methlyl-2-pentanone	EMS	B0050106	1276	CLS	07-07-00	12-09-00	1750	CLS	07-12-00	01-12-01	2.12	>1.68	0.975	0.066	0.842	0.075
QCCS	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	5.16	>1.68	0.975	0.066	0.944	0.090
Matrix Spike	Ultra	M-106B	1195	CLS	01-04-00	03-30-01	1751	CLS	07-12-00	01-12-01	5.16	>1.68	0.975	0.066	0.944	0.090
Naphthalene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.90	>1.67	0.681	0.091	0.715	0.279
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.07	>1.67	0.681	0.091	0.797	0.187
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	2.07	>1.67	0.681	0.091	0.797	0.187
Propylbenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	1.97	>1.68	1.03	0.054	1.18	0.114
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.39	>1.69	1.03	0.054	1.05	0.031
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.39	>1.69	1.03	0.054	1.05	0.031
Styrene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.78	>1.68	0.982	0.026	1.09	0.082
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.76	>1.68	0.982	0.026	1.09	0.083

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	5.76	>1.68	0.982	0.026	1.09	0.083
1,1,1,2-tetrachloroethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	6.38	>1.68	1.02	0.054	1.06	0.033
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.66	>1.68	1.02	0.054	0.998	0.056
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	6.66	>1.68	1.02	0.054	0.998	0.056
1,1,2,2-tetrachloroethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.28	±2.01	0.996	0.110	1.15	0.145
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.56	>1.68	0.996	0.110	1.02	0.049
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.56	>1.68	0.996	0.110	1.02	0.049
Tetrachloroethene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.74	±2.12	0.949	0.045	1.44	0.321
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.67	±2.08	0.949	0.045	1.30	0.299
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.67	±2.08	0.949	0.045	1.30	0.299
Toluene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.53	>1.68	0.986	0.067	1.07	0.071
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.72	>1.68	0.986	0.067	1.06	0.075
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.72	>1.68	0.986	0.067	1.06	0.075
1,2,3-trichlorobenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.60	±2.02	1.02	0.064	0.743	0.331
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.50	>1.68	1.02	0.064	1.00	0.166
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.50	>1.68	1.02	0.064	1.00	0.166
1,2,4-trichlorobenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	1.73	>1.70	0.748	0.113	0.687	0.290
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	1.39	±2.04	0.748	0.113	0.839	0.252
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	1.39	±2.04	0.748	0.113	0.839	0.252
1,1,1-trichloroethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.40	>1.65	0.979	0.079	1.09	0.032
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.06	>1.65	0.979	0.079	1.04	0.030
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.06	>1.65	0.979	0.079	1.04	0.030
1,1,2-trichloroethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	0.397	±1.97	0.992	0.418	1.07	0.052
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	0.265	±1.97	0.992	0.418	1.04	0.065
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	0.265	±1.97	0.992	0.418	1.04	0.065
Trichloroethene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.28	>1.76	0.974	0.056	1.02	0.032
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.98	>1.76	0.974	0.056	1.03	0.040
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	4.98	>1.76	0.974	0.056	1.03	0.040
Trichlorofluoromethane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	4.27	±2.11	0.931	0.131	1.17	0.072
QCCS	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	4.26	±2.07	0.931	0.131	1.13	0.088
Matrix Spike	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	4.26	±2.07	0.931	0.131	1.13	0.088
1,2,3-trichloropropane	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	0.501	±2.02	1.24	1.43	1.57	0.084
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	0.189	±2.02	1.24	1.43	1.37	0.163

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: WPLandfill-14
P.O. Number: 111887
Date Sampled: 25-Jul-00
Lab Numbers: 8232 - 8235

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	0.189	±2.02	1.24	1.43	1.37	0.163
1,2,4-trimethylbenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.74	>1.69	1.01	0.025	1.14	0.081
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	11.8	>1.69	1.01	0.025	1.06	0.037
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	11.8	>1.69	1.01	0.025	1.06	0.037
1,3,5-trimethylbenzene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	2.49	>1.68	1.02	0.030	1.17	0.106
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	10.4	>1.68	1.02	0.030	1.07	0.031
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	10.4	>1.68	1.02	0.030	1.07	0.031
Vinyl chloride	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	5.79	±2.01	1.01	0.065	1.18	0.119
QCCS	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	2.35	>1.68	1.01	0.065	1.12	0.134
Matrix Spike	Ultra	p1516	1068	JXJ	10-27-99	11-27-99	1751	CLS	07-12-00	01-12-01	2.35	>1.68	1.01	0.065	1.12	0.134
O-Xylene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01						
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01						
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01						
M&P-Xylene	Ultra	M-1685	1194	CLS	01-04-00	01-31-01	1750	CLS	07-12-00	01-12-01	3.24	>1.68	0.991	0.043	1.12	0.074
QCCS	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.52	>1.68	0.991	0.043	1.11	0.078
Matrix Spike	Ultra	P1046	1196	CLS	08-20-99	08-30-02	1751	CLS	07-12-00	01-12-01	3.52	>1.68	0.991	0.043	1.11	0.078
EPA6020 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-01	14	JSF	01-01-95	01-01-01						
EPA8260 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-01	14	JSF	01-01-95	01-01-01						
Surrogate_Spike1	EMS	095-017	289	FG	10-05-95	10-03-00	268	FG	10-05-95	10-05-96			1.01	0.097		
Surrogate_Spike2	EMS	095-017	289	FG	10-05-95	10-03-00	268	FG	10-05-95	10-05-96			1.00	0.046		
Surrogate_Spike3	EMS	095-017	289	FG	10-05-95	10-03-00	268	FG	10-05-95	10-05-96			0.982	0.061		