



RESOURCE RECOVERY FACIL
4051C00030
WAC 45799

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

29 Sept 1999

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 I Sanitary Landfill
Leachate Monitoring
Semester II, 1999

Dear Ms. Amram:

Enclosed please find the analytical results for the parameters listed in 62-701(8)(c) Florida Administrative Code conducted on the four leachate tanks at the West Pasco Class I Sanitary Landfill. These results are submitted for the second semester sampling period (Jul-Dec). The next sampling event for this facility is scheduled for January, 2000.

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

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OCT - 1 1999

Solid Waste Section

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

GROUND WATER MONITORING REPORT
Rule 62-522.600(11)

PART I - GENERAL INFORMATION(1) Facility Name: Resource Recovery - West Pasco Class I LandfillAddress: Hays RoadCity, State, Zip: Hudson, FL 34610

Telephone Number: _____

(2) The GMS Identification Number: 4051C00030(3) DEP Permit Number: PA87-23(4) Authorized Representative Name: Candia E. MulhernAddress: 8864 Government DriveCity, State, Zip: New Port Richey, FL 34654Telephone Number: (813) 847-8902(5) Type of Discharge: Leachate(6) Method of Discharge: Unknown**Certification**

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

Date: 28 SEPT '99


Signature of Owner or Authorized Representative

PART II - QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP #

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

Comp QAP #/HRS Certification #910150; E86278 Toxicon Corporation

Lab Name: Broward Testing LaboratoryAddress: 4416 NE 11th Ave., Ft. Lauderdale, FL 33334Phone Number: (216) 449-2525**RECEIVED****OCT - 1 1999**

Solid Waste Section

PART III ANALYTICAL RESULTS

<CTRL-ALT-A>

Facility GMS #: 4051C00030

Sampling Date/Time: 08/05/99 @ 1135

Test Site ID #: NA

Report Period: 1999 / Quarter III
(year/quarter)

Well Name: A-1 Primary Tank Leachate

Well Purged (Y/N): YES

Classification of Groundwater: NA

Well Type: () Background

() Intermediate

() Compliance

() Other

Groundwater Elevation (NGVD):

W2454

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	08/10/99 0900	<0.11 mg/L	0.11 mg/L
000940	Chloride	"	"	SM 4500Cl-B	08/09/99 1100	14,745 mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H + B	08/05/99 1135	7.25 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	08/11/99 1100	26,000 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	08/05/99 1135	0.20 mg/L	1 mg/L
000410	Bicarbonate	"	"	SM 2320B		mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	08/05/99 1135	35,400 μ mhos/cm	0.00 μ mhos/cm
000010	Temperature (Field)	"	"	SM 2550B	08/05/99 1135	29.9 °C	0 °C
000610	Ammonia	"	"	SM 4500NH ₃ H	08/12/99 1100	6.21 mg/L	0.03 mg/L
001045	Iron	"	"	SM 3113B	09/01/99 1000	0.25 mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B	09/01/99 1035	2,780 mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B	08/31/99 1210	<0.0002 mg/L	0.0002 mg/L

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*Attach Laboratory Reports

Solid Waste Section Page 2 of 2

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1135

Report Period: _____

Well Name: Resource Recovery A-1 Prim

Well Purged (Y/N): _____

FCL Sample ID: 10321Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.0388 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.0906 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.822 mg/L	0.0004 mg/L
01012	Beryllium	G	N	EPA6020	08-11-99 1122	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	08-11-99 1122	0.000572 mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	08-11-99 1122	0.00323 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.00806V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.00606 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	0.0950 mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.00108 mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	08-11-99 1122	0.0204 mg/L	0.0002 mg/L
01147	Selenium	G	N	EPA6020	08-11-99 1122	0.0211 mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	0.00138 mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.0442 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.0185 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-12-99 0615	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-12-99 0615	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1135

Report Period: _____

Well Name: Resource Recovery A-1 Prim

Well Purged (Y/N): _____

FCL Sample ID: 10321Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butylbenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-12-99 0615	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-12-99 0615	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	08-12-99 0615	<2U ug/L	2 ug/L
073547	trans-1,4-dichloro-2-butene	G	N	EPA8260	08-12-99 0615	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	08-12-99 0615	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-12-99 0615	<3U ug/L	3 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1135

Report Period: _____

Well Name: Resource Recovery A-1 Prim

Well Purged (Y/N): _____

FCL Sample ID: 10321Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-12-99 0615	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-12-99 0615	2.84J ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-12-99 0615	<10U ug/L	10 ug/L
077424	Methyl iodide	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	08-12-99 0615	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	08-12-99 0615	<2U ug/L	2 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1135

Report Period: _____

Well Name: Resource Recovery A-1 Prim

Well Purged (Y/N): _____

FCL Sample ID: 10321Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-12-99 0615	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-12-99 0615	<0.5U ug/L	0.5 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030Sampling Date/Time: 08/05/99 @ 1210

Test Site ID #: _____

Report Period: 1999 / Quarter III
(year/quarter)Well Name: A-1 Secondary Tank LeachateWell Purged (Y/N): YES

Classification of Groundwater: _____

Well Type: () Background

Groundwater Elevation (NGVD): _____

() Intermediate

() Compliance

() Other

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	08/10/99 0900	1.03 mg/L	0.11 mg/L
000940	Chloride	"	"	SM 4500Cl-B	08/09/99 1100	2,851 mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H+B	08/05/99 1210	7.47 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	08/11/99 1100	6,400 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	08/05/99 1210	2.60 mg/L	1 mg/L
000410	Bicarbonate	"	"	SM 2320B	08/09/99 1530	186 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	08/05/99 1210	7,830 μ mhos/cm	0.00 μ mhos/cm
000010	Temperature (Field)	"	"	SM 2550B	08/05/99 1210	31.7 °C	0 °C
000610	Ammonia	"	"	SM 4500NH ₃ H	08/12/99 1100	<0.03 mg/L	0.03 mg/L
001045	Iron	"	"	SM 3113B	09/01/99 1000	1.60 mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B	09/01/99 1035	529 mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B	08/31/99 1210	<0.0002 mg/L	0.0002 mg/L

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

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(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1210

Report Period: _____

Well Name: Resource Recovery A-1 Sec

Well Purged (Y/N): _____

FCL Sample ID: 10322Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.000567 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.0133 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.197 mg/L	0.0004 mg/L
01012	Beryllium	G	N	EPA6020	08-11-99 1122	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	08-11-99 1122	0.00189 mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	08-11-99 1122	0.000944 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.00594V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.0273 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	0.0224 mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.00711 mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	08-11-99 1122	0.00522 mg/L	0.0002 mg/L
01147	Selenium	G	N	EPA6020	08-11-99 1122	0.00514 mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	0.00163 mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.0125 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.0364 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-12-99 0652	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-12-99 0652	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1210

Report Period: _____

Well Name: Resource Recovery A-1 Sec

Well Purged (Y/N): _____

FCL Sample ID: 10322Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butylbenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-12-99 0652	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-12-99 0652	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	08-12-99 0652	<2U ug/L	2 ug/L
073547	1,1,4-dichloro-2-butene	G	N	EPA8260	08-12-99 0652	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	08-12-99 0652	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-12-99 0652	<3U ug/L	3 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1210

Report Period: _____

Well Name: Resource Recovery A-1 Sec

Well Purged (Y/N): _____

FCL Sample ID: 10322Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-12-99 0652	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-12-99 0652	2.61U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-12-99 0652	<10U ug/L	10 ug/L
077424	Methyl iodide	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	08-12-99 0652	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	08-12-99 0652	<2U ug/L	2 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1210

Report Period: _____

Well Name: Resource Recovery A-1 Sec

Well Purged (Y/N): _____

FCL Sample ID: 10322Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-12-99 0652	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-12-99 0652	<0.5U ug/L	0.5 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 08/05/99 @ 1100

Test Site ID #: _____

Report Period: 1999 / Quarter III
(year/quarter)

Well Name: SW Primary Tank Leachate

Well Purged (Y/N): YES

Classification of Groundwater: _____

Well Type: () Background

() Intermediate

() Compliance

() Other

Groundwater Elevation (NGVD): W 2456

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	08/10/99 0900	<0.11 mg/L	0.11 mg/L
000940	Chloride	"	"	SM 4500Cl-B	08/09/99 1100	328 mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H+B	08/05/99 1020	6.81 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	08/11/99 1100	2,620 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	08/05/99 1020	0.08 mg/L	1 mg/L
000410	Bicarbonate	"	"	SM 2320B	08/09/99 1530	1,077 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	08/05/99 1020	4,080 μ mhos/cm	0.00 μ mhos/cm
000010	Temperature (Field)	"	"	SM 2550B	08/05/99 1020	28.9 °C	0 °C
000610	Ammonia	"	"	SM 4500NH ₃ H	08/12/99 1100	1.06 mg/L	0.03 mg/L
001045	Iron	"	"	SM 3113B	09/01/99 1000	0.70 mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B	09/01/99 1035	385 mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B	08/31/99 1210	<0.0002 mg/L	0.0002 mg/L

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1020

Report Period: _____

Well Name: Resource Recovery SW-Prim

Well Purged (Y/N): _____

FCL Sample ID: 10323Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.000273 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.0139 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.0408 mg/L	0.0004 mg/L
01012	Beryllium	G	N	EPA6020	08-11-99 1122	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	08-11-99 1122	0.000229 mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	08-11-99 1122	0.00279 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.00994V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.0116 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	0.0336 mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.00144 mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	08-11-99 1122	0.00504 mg/L	0.0002 mg/L
01147	Selenium	G	N	EPA6020	08-11-99 1122	<0.0003U mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	0.00160 mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.0106 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.00772 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-12-99 0730	12.93 ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-12-99 0730	0.61 ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-12-99 0730	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1020

Report Period: _____

Well Name: Resource Recovery SW-Prim

Well Purged (Y/N): _____

FCL Sample ID: 10323Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butylbenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-12-99 0730	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-12-99 0730	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	08-12-99 0730	<2U ug/L	2 ug/L
073547	1,1,4-dichloro-2-butene	G	N	EPA8260	08-12-99 0730	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-12-99 0730	3.92 ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-12-99 0730	3.73 ug/L	1 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	08-12-99 0730	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-12-99 0730	3.73 ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-12-99 0730	<3U ug/L	3 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1020

Report Period: _____

Well Name: Resource Recovery SW-Prim

Well Purged (Y/N): _____

FCL Sample ID: 10323Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-12-99 0730	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-12-99 0730	2.12J ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-12-99 0730	118J ug/L	10 ug/L
077424	Methyl iodide	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	08-12-99 0730	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-12-99 0730	20.65 ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	08-12-99 0730	<2U ug/L	2 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1020

Report Period: _____

Well Name: Resource Recovery SW-Prim

Well Purged (Y/N): _____

FCL Sample ID: 10323Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-12-99 0730	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-12-99 0730	130.35 ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-12-99 0730	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-12-99 0730	2.65 ug/L	0.5 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051C00030

Sampling Date/Time: 08/05/99 @ 1100

Test Site ID #: _____

Report Period: 1999 / Quarter III
(year/quarter)

Well Name: SW Secondary Tank Leachate

Well Purged (Y/N): YES

Classification of Groundwater: _____

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 ₃ F	08/10/99 0900	<0.11 mg/L	0.11 mg/L
000940	Chloride	"	"	SM 4500Cl-B	08/09/99 1100	72.7 mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H+B	08/05/99 1100	6.68 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	08/11/99 1100	650 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	08/05/99 1100	0.90 mg/L	1 mg/L
000410	Bicarbonate	"	"	SM 2320B	08/09/99 1530	270 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	08/05/99 1100	930 μ mhos/cm	0.00 μ mhos/cm
000010	Temperature (Field)	"	"	SM 2550B	08/05/99 1100	29.9 °C	0 °C
000610	Ammonia	"	"	SM 4500NH ₃ H	08/12/99 1100	<0.03 mg/L	0.03 mg/L
001045	Iron	"	"	SM 3113B	09/01/99 1000	1.60 mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B	09/01/99 1035	33.0 mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B	08/31/99 1210	0.0002 mg/L	0.0002 mg/L

* Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1100

Report Period: _____

Well Name: Resource Recovery SW-Sec

Well Purged (Y/N): _____

FCL Sample ID: 10324Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.000152 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.00469 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.0193 mg/L	0.0004 mg/L
01012	Beryllium	G	N	EPA6020	08-11-99 1122	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	08-11-99 1122	0.000154 mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	08-11-99 1122	0.000209 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.00397V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.00197 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	0.00327 mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.000283 mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	08-11-99 1122	<0.0002U mg/L	0.0002 mg/L
01147	Selenium	G	N	EPA6020	08-11-99 1122	0.0125 mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	0.00101 mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.00217 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.00405 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-12-99 0807	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-12-99 0807	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1100

Report Period: _____

Well Name: Resource Recovery SW-Sec

Well Purged (Y/N): _____

FCL Sample ID: 10324Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butylbenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-12-99 0807	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-12-99 0807	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	08-12-99 0807	<2U ug/L	2 ug/L
073547	trans-1,4-dichloro-2-butene	G	N	EPA8260	08-12-99 0807	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	08-12-99 0807	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-12-99 0807	<3U ug/L	3 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1100

Report Period: _____

Well Name: Resource Recovery SW-Sec

Well Purged (Y/N): _____

FCL Sample ID: 10324Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-12-99 0807	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-12-99 0807	2.88J ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-12-99 0807	<10U ug/L	10 ug/L
077424	Methyl iodide	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	08-12-99 0807	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	08-12-99 0807	<2U ug/L	2 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 1100

Report Period: _____

Well Name: Resource Recovery SW-Sec

Well Purged (Y/N): _____

FCL Sample ID: 10324Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-12-99 0807	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-12-99 0807	<0.5U ug/L	0.5 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

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

PROJECT NAME: RES REC LEACH
DATE: 09/01/99

SAMPLE NUMBER- 82401 SAMPLE ID- EQ. BLANK
DATE SAMPLED- 08/05/99
DATE RECEIVED- 08/05/99 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1430 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- LE
TIME SAMPLED- 1000
RECEIVED BY- MAS
TYPE SAMPLE- Grab

Page 1 of 5

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/05/99	1000	CSC	7.47	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/05/99	1000	CSC	31.7	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/05/99	1000	CSC	8	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/05/99	1000	CSC	2.00	mg/L	
COLOR BY OBSERVATION	VISUAL			08/05/99	1000	CSC	CLEAR		
ALKALINITY, BICARB.	SM2320B			08/09/99	1530	JKH	<1	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	5.0	mg/L	
COLOR	SM 2120B			08/05/99	1530	JKH	5	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	<0.03	mg/L	
NITRATE	SM4500NO3F			08/10/99	0900	IF	<0.11	mg/L	
TOTAL DISS. SOLIDS	SM2540C			08/11/99	1100	JKH	2	mg/L	
IRON, TOTAL	SM3113B	08/23/99	TER	09/01/99	1000	TER	0.04	mg/L	
MERCURY, TOTAL	SM3112B			08/31/99	1210	TER	<0.0002	mg/L	
SODIUM, TOTAL	SM3111B	08/23/99	TER	09/01/99	1035	TER	0.01	mg/L	

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: RES REC LEACH
DATE: 09/01/99

SAMPLE NUMBER- 82402 SAMPLE ID- A-1 PRIM
DATE SAMPLED- 08/05/99
DATE RECEIVED- 08/05/99 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1430 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- LE
TIME SAMPLED- 1135
RECEIVED BY- MAS
TYPE SAMPLE- Grab

Page 2 of 5

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/05/99	1135	CSC	7.25	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/05/99	1135	CSC	29.9	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/05/99	1135	CSC	35400	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/05/99	1135	CSC	0.20	mg/L	
COLOR BY OBSERVATION	VISUAL			08/05/99	1135	CSC	GREEN		
ALKALINITY, BICARB.	SM2320B			08/09/99	1530	JKH	83	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	14745	mg/L	
COLOR	SM 2120B			08/05/99	1530	JKH	35	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	6.21	mg/L	
NITRATE	SM4500NO3F			08/10/99	0900	IF	<0.11	mg/L	
TOTAL DISS. SOLIDS	SM2540C			08/11/99	1100	JKH	26000	mg/L	
IRON, TOTAL	SM3113B	08/23/99	TER	09/01/99	1000	TER	0.25	mg/L	
MERCURY, TOTAL	SM3112B			08/31/99	1210	TER	<0.0002	mg/L	
SODIUM, TOTAL	SM3111B	08/23/99	TER	09/01/99	1035	TER	2780	mg/L	

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

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CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: RES REC LEACH
DATE: 09/01/99

SAMPLE NUMBER- 82403 SAMPLE ID- A-1 SEC
DATE SAMPLED- 08/05/99
DATE RECEIVED- 08/05/99 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1430 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- LE
TIME SAMPLED- 1210
RECEIVED BY- MAS
TYPE SAMPLE- Grab

Page 3 of 5

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/05/99	1210	CSC	7.47	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/05/99	1210	CSC	31.7	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/05/99	1210	CSC	7830	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/05/99	1210	CSC	2.60	mg/L	
COLOR BY OBSERVATION	VISUAL			08/05/99	1210	CSC	GREEN		
ALKALINITY, BICARB.	SM2320B			08/09/99	1530	JKH	186	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	2851	mg/L	
COLOR	SM 2120B			08/05/99	1530	JKH	60	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	<0.03	mg/L	
NITRATE	SM4500NO3F			08/10/99	0900	IF	1.03	mg/L	
TOTAL DISS. SOLIDS	SM2540C			08/11/99	1100	JKH	6400	mg/L	
IRON, TOTAL	SM3113B	08/23/99	TER	09/01/99	1000	TER	1.60	mg/L	
MERCURY, TOTAL	SM3112B			08/31/99	1210	TER	<0.0002	mg/L	
SODIUM, TOTAL	SM3111B	08/23/99	TER	09/01/99	1035	TER	529	mg/L	

LABORATORY DIRECTOR



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DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: RES REC LEACH
DATE: 09/01/99

SAMPLE NUMBER- 82404 SAMPLE ID- SW PRIM
DATE SAMPLED- 08/05/99
DATE RECEIVED- 08/05/99 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1430 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- LE
TIME SAMPLED- 1020
RECEIVED BY- MAS
TYPE SAMPLE- Grab

Page 4 of 5

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/05/99	1020	CSC	6.81	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/05/99	1020	CSC	28.9	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/05/99	1020	CSC	4080	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/05/99	1020	CSC	0.08	mg/L	
COLOR BY OBSERVATION	VISUAL			08/05/99	1020	CSC	GREEN		
ALKALINITY, BICARB.	SM2320B			08/09/99	1530	JKH	1077	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	328	mg/L	
COLOR	SM 2120B			08/05/99	1530	JKH	250	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	1.06	mg/L	
NITRATE	SM4500NO3F			08/10/99	0900	IF	<0.11	mg/L	
TOTAL DISS. SOLIDS	SM2540C			08/11/99	1100	JKH	2620	mg/L	
IRON, TOTAL	SM3113B	08/23/99	TER	09/01/99	1000	TER	0.70	mg/L	
MERCURY, TOTAL	SM3112B			08/31/99	1210	TER	<0.0002	mg/L	
SODIUM, TOTAL	SM3111B	08/23/99	TER	09/01/99	1035	TER	385	mg/L	

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: RES REC LEACH
DATE: 09/01/99

SAMPLE NUMBER- 82405 SAMPLE ID- SW SEC
DATE SAMPLED- 08/05/99
DATE RECEIVED- 08/05/99 SAMPLER- CHRIS CHILDRESS
TIME RECEIVED- 1430 DELIVERED BY- CHRIS CHILDRESS

SAMPLE MATRIX- LE
TIME SAMPLED- 1100
RECEIVED BY- MAS
TYPE SAMPLE- Grab

Page 5 of 5

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/05/99	1100	CSC	6.68	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/05/99	1100	CSC	29.9	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/05/99	1100	CSC	930	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/05/99	1100	CSC	0.90	mg/L	
COLOR BY OBSERVATION	VISUAL			08/05/99	1100	CSC	GREEN		
ALKALINITY, BICARB.	SM2320B			08/09/99	1530	JKH	270	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	72.7	mg/L	
COLOR	SM 2120B			08/05/99	1530	JKH	60	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	<0.03	mg/L	
NITRATE	SM4500NO3F			08/10/99	0900	IF	<0.11	mg/L	
TOTAL DISS. SOLIDS	SM2540C			08/11/99	1100	JKH	650	mg/L	
IRON, TOTAL	SM3113B	08/23/99	TER	09/01/99	1000	TER	1.60	mg/L	
MERCURY, TOTAL	SM3112B			08/31/99	1210	TER	0.0002	mg/L	
SODIUM, TOTAL	SM3111B	08/23/99	TER	09/01/99	1035	TER	33.0	mg/L	

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 RESOURCE RECOVERY 09/01/1999

QA/QC for SAMPLE Nos: 82401, 82402, 82403, 82404, 82405,

Page 1

Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
ALKALINITY, BICARB. SM2320B mg/l	82405	270	271	1.0	0.37	-----	STD	100	97.	97.60
CHLORIDE SM4500CL E mg/L	3429	-----	-----	-----	-----	107.00	STD	80.0	77.7	97.10
	82402	14589	15002	413	2.79	-----	-----	-----	-----	-----
	82405	69.9	73.6	3.7	5.16	-----	-----	-----	-----	-----
COLOR SM 2120B PCU	82405	60	60	0	0.00	-----	-----	-----	-----	-----
AMMONIA NITROGEN SM4500NH3H mg/L	82334	-----	-----	-----	-----	95.05	NH3 STD	1.2000	1.2300	102.50
NITRATE SM4500NO3F mg/L	82402	<0.11	<0.11	0.055	0.00	-----	NO3 STD	4.000	3.891	97.27
	82405	<0.11	<0.11	0.055	0.00	-----	-----	-----	-----	-----
TOTAL DISS. SOLIDS SM2540C mg/L	82405	648	652	4.0	0.62	-----	STD	293	299	101.30



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
3864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654
(727) 847-8902

DHRS # 44237, E44123
CompQAP # 870167G

QC REPORT FOR RESOURCE RECOVERY 09/01/1999

QA/QC for SAMPLE Nos: 82401, 82402, 82403, 82404, 82405,
Page 2

Analyte	LAB ID	Precision Data				Accuracy Data	Reference Sample Data			
		Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
IRON, TOTAL SM3113B mg/L	82338	0.18	0.20	0.020	10.53	103.60	-----	-----	-----	-----
MERCURY, TOTAL SM3112B mg/L	82405	258	241	17	6.81	96.70	-----	-----	-----	-----
SODIUM, TOTAL SM3111B mg/L	82338	4.20	4.16	0.040	0.96	101.50	-----	-----	-----	-----

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 0700

Report Period: _____

Well Name: Resource Recovery Trip Blank

Well Purged (Y/N): _____

FCL Sample ID: 10325Classification of Groundwater: G-IIWell 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	N/A	N/A mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	N/A	N/A mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	N/A	N/A mg/L	0.0004 mg/L
01012	Beryllium	G	N	EPA6020	N/A	N/A mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	N/A	N/A mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	N/A	N/A mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	N/A	N/A mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	N/A	N/A mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	N/A	N/A mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	N/A	N/A mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	N/A	N/A mg/L	0.0002 mg/L
01147	Selenium	G	N	EPA6020	N/A	N/A mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	N/A	N/A mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	N/A	N/A mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	N/A	N/A mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-12-99 0845	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-12-99 0845	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 0700

Report Period: _____

Well Name: Resource Recovery Trip Blank

Well Purged (Y/N): _____

FCL Sample ID: 10325Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butylbenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-12-99 0845	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-12-99 0845	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	08-12-99 0845	<2U ug/L	2 ug/L
073547	trans-1,4-dichloro-2-butene	G	N	EPA8260	08-12-99 0845	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	08-12-99 0845	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-12-99 0845	<3U ug/L	3 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 0700

Report Period: _____

Well Name: Resource Recovery Trip Blank

Well Purged (Y/N): _____

FCL Sample ID: 10325Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-12-99 0845	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-12-99 0845	<10U ug/L	10 ug/L
077424	Methyl iodide	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	08-12-99 0845	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	08-12-99 0845	<2U ug/L	2 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-05-99

Test Site ID#: _____

Sample Time: 0700

Report Period: _____

Well Name: Resource Recovery Trip Blank

Well Purged (Y/N): _____

FCL Sample ID: 10325Classification of Groundwater: G-IIWell 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
077443	1,2,3-trichloropropane	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-12-99 0845	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-12-99 0845	<0.5U ug/L	0.5 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-08-99

Test Site ID#: _____

Sample Time: 1000

Report Period: _____

Well Name: Resource Recovery Equipment Blank

Well Purged (Y/N): _____

FCL Sample ID: 10320Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.000345 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.000672 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.00105 mg/L	0.0004 mg/L
01012	Beryllium	G	N	EPA6020	08-11-99 1122	<0.0001U mg/L	0.0001 mg/L
01027	Cadmium	G	N	EPA6020	08-11-99 1122	<0.00005U mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	08-11-99 1122	0.000182 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.00244V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.00639 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	<0.0002U mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.000856 mg/L	0.0001 mg/L
01097	Antimony	G	N	EPA6020	08-11-99 1122	<0.0002U mg/L	0.0002 mg/L
01147	Selenium	G	N	EPA6020	08-11-99 1122	0.00118 mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	0.00221 mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.00143 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.00606 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-12-99 0537	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-12-99 0537	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-08-99

Test Site ID#: _____

Sample Time: 1000

Report Period: _____

Well Name: Resource Recovery Equipment Blank

Well Purged (Y/N): _____

FCL Sample ID: 10320Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butylbenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-12-99 0537	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-12-99 0537	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	08-12-99 0537	<2U ug/L	2 ug/L
073547	trans-1,4-dichloro-2-butene	G	N	EPA8260	08-12-99 0537	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034546	trans-1,2-dichloroethene	G	N	EPA8260	08-12-99 0537	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-12-99 0537	<3U ug/L	3 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

(407) 339-5984

Facility GMS#: _____

Sample Date: 08-08-99

Test Site ID#: _____

Sample Time: 1000

Report Period: _____

Well Name: Resource Recovery Equipment Blank

Well Purged (Y/N): _____

FCL Sample ID: 10320Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloropropene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-12-99 0537	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-12-99 0537	1.47J ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-12-99 0537	<10U ug/L	10 ug/L
077424	Methyl iodide	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	08-12-99 0537	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	08-12-99 0537	<2U ug/L	2 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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Facility GMS#: _____

Sample Date: 08-08-99Sample Time: 1000

Test Site ID#: _____

Report Period: _____

Well Name: Resource Recovery Equipment Blank

Well Purged (Y/N): _____

FCL Sample ID: 10320Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

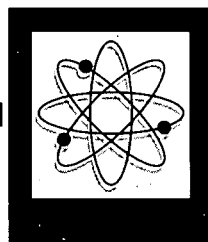
Ground Water Elevation (NGVD) or (MSL): _____

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-12-99 0537	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-12-99 0537	<0.5U ug/L	0.5 ug/L

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

Date Reported : Aug12 1999
Project Number : Resource Recovery
PO Number : 110911
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

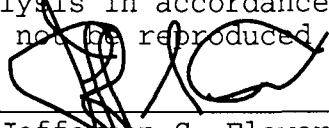
REPORT OF ANALYSIS

AUG 24 REC'D

Parameter	Unit	Method	%ACC	%PRC	10320 EQBLK	10321 ALPRIM	10322 ALSEC	10323 SWPRIM	10324 SWSEC
		Detection Limit							
Silver	mg/L	.00005	76.6	21.9	.00034	0.0388	.00057	.00027	.00015
Arsenic	mg/L	.00005	100.	3.42	.00067	0.0906	0.0133	0.0139	.00469
Barium	mg/L	.00040	105.	4.07	.00105	0.822	0.197	0.0408	0.0193
Beryllium	mg/L	.00010	133.	3.09	<.0001	<.0001	<.0001	<.0001	<.0001
Cadmium	mg/L	.00005	101.	1.94	<5e-05	.00057	.00189	.00023	.00015
Cobalt	mg/L	.00010	97.6	3.46	.00018	.00323	.00094	.00279	.00021
Chromium	mg/L	.00020	101.	2.57	.00244	.00806	.00594	.00994	.00397
Copper	mg/L	.00020	98.7	3.39	.00639	.00606	0.0273	0.0116	.00197
Nickel	mg/L	.00020	95.6	3.74	<.0002	0.0950	0.0224	0.0336	.00327
Lead	mg/L	.00010	102.	3.99	.00086	.00108	.00711	.00144	.00028
Antimony	mg/L	.00020	113.	.570	<.0002	0.0204	.00522	.00504	<.0002
Selenium	mg/L	.00030	101.	4.65	.00118	0.0211	.00514	<.0003	0.0125
Thallium	mg/L	.00010	104.	4.33	.00221	.00138	.00163	.00160	.00101
Vanadium	mg/L	.00006	101.	4.22	.00143	0.0442	0.0125	0.0106	.00217
Zinc	mg/L	.00070	100.	5.43	.00606	0.0185	0.0364	.00772	.00405
Dilution Factor		-	-	-	1.00	1.00	1.00	1.00	1.00
Acetone	ug/L	10.0	61.5	2.34	<10.0	<10.0	<10.0	12.9	<10.0
Acrylonitrile	ug/L	1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Benzene	ug/L	0.500	77.7	3.05	<0.500	<0.500	<0.500	0.610	<0.500
Bromobenzene	ug/L	1.00	77.8	2.23	<1.00	<1.00	<1.00	<1.00	<1.00
Bromochloromethane	ug/L	1.00	78.4	3.38	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	ug/L	1.00	85.2	2.28	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	ug/L	1.00	87.0	1.91	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	ug/L	5.00	86.3	2.46	<5.00	<5.00	<5.00	<5.00	<5.00
n-butylbenzene	ug/L	1.00	80.9	.560	<1.00	<1.00	<1.00	<1.00	<1.00
sec-butylbenzene	ug/L	1.00	79.5	1.25	<1.00	<1.00	<1.00	<1.00	<1.00

Data Release Authorization

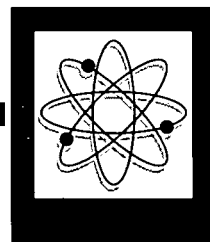
Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
Methods of analysis in accordance with FCL QA and EPA approved methodology.
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Received From:
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8864 Government Dr.
New Port Richey, FL 34654

Date Reported : Aug12 1999
Project Number : Resource Recovery
PO Number : 110911
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

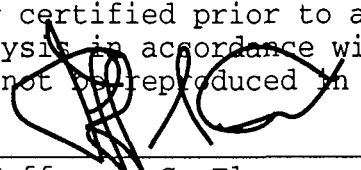
REPORT OF ANALYSIS

AUG 24 REC'D

Parameter	Unit	Method	%ACC	%PRC	10325
					TRIP BLK
		Detection Limit			
Silver	mg/L	.00005	76.6	21.9	-
Arsenic	mg/L	.00005	100.	3.42	-
Barium	mg/L	.00040	105.	4.07	-
Beryllium	mg/L	.00010	133.	3.09	-
Cadmium	mg/L	.00005	101.	1.94	-
Cobalt	mg/L	.00010	97.6	3.46	-
Chromium	mg/L	.00020	101.	2.57	-
Copper	mg/L	.00020	98.7	3.39	-
Nickel	mg/L	.00020	95.6	3.74	-
Lead	mg/L	.00010	102.	3.99	-
Antimony	mg/L	.00020	113.	.570	-
Selenium	mg/L	.00030	101.	4.65	-
Thallium	mg/L	.00010	104.	4.33	-
Vanadium	mg/L	.00006	101.	4.22	-
Zinc	mg/L	.00070	100.	5.43	-
Dilution_Factor		-	-	-	1.00
Acetone	ug/L	10.0	61.5	2.34	<10.0
Acrylonitrile	ug/L	1.00			<1.00
Benzene	ug/L	0.500	77.7	3.05	<0.500
Bromobenzene	ug/L	1.00	77.8	2.23	<1.00
Bromochloromethane	ug/L	1.00	78.4	3.38	<1.00
Bromodichloromethane	ug/L	1.00	85.2	2.28	<1.00
Bromoform	ug/L	1.00	87.0	1.91	<1.00
Bromomethane	ug/L	5.00	86.3	2.46	<5.00
n-butylbenzene	ug/L	1.00	80.9	.560	<1.00
sec-butylbenzene	ug/L	1.00	79.5	1.25	<1.00

Data Release Authorization

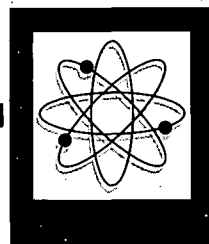
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NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

REPORT OF ANALYSIS

AUG 24 REC'D

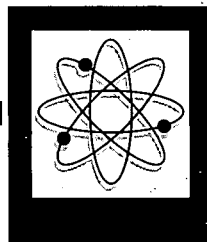
Parameter	Unit	Method	%ACC	%PRC	10320 EQBLK	10321 A1PRIM	10322 A1SEC	10323 SWPRIM	10324 SWSEC
		Detection Limit							
tert-butylbenzene	ug/L	1.00	84.0	4.76	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon disulfide	ug/L	5.00	64.1	5.68	<5.00	<5.00	<5.00	<5.00	<5.00
Carbon tetrachloride	ug/L	1.00	80.3	7.00	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	ug/L	0.500	79.3	3.12	<0.500	<0.500	<0.500	<0.500	<0.500
Chloroethane	ug/L	1.00	66.4	4.37	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	ug/L	1.00	85.3	3.48	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	ug/L	5.00	71.6	1.04	<5.00	<5.00	<5.00	<5.00	<5.00
2-chlorotoluene	ug/L	0.500	78.3	2.26	<0.500	<0.500	<0.500	<0.500	<0.500
4-chlorotoluene	ug/L	0.500	80.0	2.65	<0.500	<0.500	<0.500	<0.500	<0.500
Dibromochloromethane	ug/L	1.00	82.3	5.11	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromo-3-chloro	ug/L	1.00	76.4	3.19	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	ug/L	1.00	80.5	5.97	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	ug/L	1.00	79.0	7.39	<1.00	<1.00	<1.00	<1.00	<1.00
o-dichlorobenzene	ug/L	0.500	78.7	2.11	<0.500	<0.500	<0.500	<0.500	<0.500
m-dichlorobenzene	ug/L	0.500	77.9	1.36	<0.500	<0.500	<0.500	<0.500	<0.500
Para-dichlorobenzene	ug/L	0.500	75.4	2.16	<0.500	<0.500	<0.500	<0.500	<0.500
Dichlorodifluorometh	ug/L	2.00	83.9	4.05	<2.00	<2.00	<2.00	<2.00	<2.00
t-1,4-dichloro-2-but	ug/L	10.0			<10.0	<10.0	<10.0	<10.0	<10.0
1,1-dichloroethane	ug/L	1.00	83.3	1.74	<1.00	<1.00	<1.00	3.92	<1.00
1,2-dichloroethane	ug/L	1.00	79.9	.920	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	ug/L	1.00	78.7	13.2	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-dichloroethe	ug/L	1.00	80.3	4.84	<1.00	<1.00	<1.00	3.73	<1.00
t-1,2-dichloroethene	ug/L	2.00	76.9	2.02	<2.00	<2.00	<2.00	<2.00	<2.00
1,2-dichloroethene	ug/L	1.00	78.6	3.46	<1.00	<1.00	<1.00	3.73	<1.00
1,2-dichloropropane	ug/L	1.00	80.4	2.81	<1.00	<1.00	<1.00	<1.00	<1.00
1,3-dichloropropane	ug/L	1.00	81.8	3.63	<1.00	<1.00	<1.00	<1.00	<1.00

Data Release Authorization

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Project Number : Resource Recovery
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FDHRSDW Number : 83139
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LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

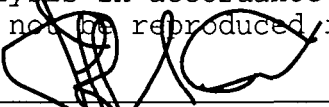
REPORT OF ANALYSIS

AUG 24 REC'D

Parameter	Unit	Method	%ACC	%PRC	10325
					TRIP BLK
		Detection Limit			
tert-butylbenzene	ug/L	1.00	84.0	4.76	<1.00
Carbon disulfide	ug/L	5.00	64.1	5.68	<5.00
Carbon tetrachloride	ug/L	1.00	80.3	7.00	<1.00
Chlorobenzene	ug/L	0.500	79.3	3.12	<0.500
Chloroethane	ug/L	1.00	66.4	4.37	<1.00
Chloroform	ug/L	1.00	85.3	3.48	<1.00
Chloromethane	ug/L	5.00	71.6	1.04	<5.00
2-chlorotoluene	ug/L	0.500	78.3	2.26	<0.500
4-chlorotoluene	ug/L	0.500	80.0	2.65	<0.500
Dibromochloromethane	ug/L	1.00	82.3	5.11	<1.00
1,2-dibromo-3-chloro	ug/L	1.00	76.4	3.19	<1.00
1,2-dibromoethane	ug/L	1.00	80.5	5.97	<1.00
Dibromomethane	ug/L	1.00	79.0	7.39	<1.00
o-dichlorobenzene	ug/L	0.500	78.7	2.11	<0.500
m-dichlorobenzene	ug/L	0.500	77.9	1.36	<0.500
Para-dichlorobenzene	ug/L	0.500	75.4	2.16	<0.500
Dichlorodifluorometh	ug/L	2.00	83.9	4.05	<2.00
t-1,4-dichloro-2-but	ug/L	10.0			<10.0
1,1-dichloroethane	ug/L	1.00	83.3	1.74	<1.00
1,2-dichloroethane	ug/L	1.00	79.9	.920	<1.00
1,1-dichloroethene	ug/L	1.00	78.7	13.2	<1.00
cis-1,2-dichloroethe	ug/L	1.00	80.3	4.84	<1.00
t-1,2-dichloroethene	ug/L	2.00	76.9	2.02	<2.00
1,2-dichloroethene	ug/L	1.00	78.6	3.46	<1.00
1,2-dichloropropane	ug/L	1.00	80.4	2.81	<1.00
1,3-dichloropropane	ug/L	1.00	81.8	3.63	<1.00

Data Release Authorization

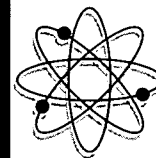
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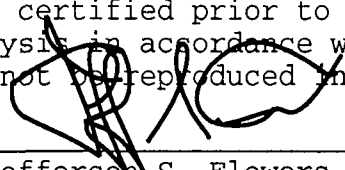
REPORT OF ANALYSIS

AUG 24 REC'D

Parameter	Unit	Method	%ACC	%PRC	10320	10321	10322	10323	10324
		Detection			EQBLK	A1PRIM	A1SEC	SWPRIM	SWSEC
		Limit							
2,2-dichloropropane	ug/L	3.00	78.3	3.25	<3.00	<3.00	<3.00	<3.00	<3.00
1,1-dichloropropene	ug/L	0.500	76.0	1.95	<0.500	<0.500	<0.500	<0.500	<0.500
cis-1,3-dichloroprop	ug/L	1.00	79.3	2.99	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3,-dichlorop	ug/L	1.00	76.3	4.59	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	ug/L	0.500	78.8	3.55	<0.500	<0.500	<0.500	<0.500	<0.500
Hexachlorobutadiene	ug/L	1.00	82.0	.300	<1.00	<1.00	<1.00	<1.00	<1.00
2-Hexanone	ug/L	10.0	73.1	7.06	<10.0	<10.0	<10.0	<10.0	<10.0
Hexachloroethane	ug/L	1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Isopropylbenzene	ug/L	1.00	80.0	2.17	<1.00	<1.00	<1.00	<1.00	<1.00
4-isopropyltoluene	ug/L	1.00	78.9	.890	<1.00	<1.00	<1.00	<1.00	<1.00
Methylene chloride	ug/L	1.00			1.47	2.84	2.61	2.12	2.88
Methyl-tert-butyleth	ug/L	1.00	76.7	4.52	<1.00	<1.00	<1.00	<1.00	<1.00
2-butanone	ug/L	10.0			<10.0	<10.0	<10.0	118.	<10.0
Methyl iodide	ug/L	1.00	70.2	4.89	<1.00	<1.00	<1.00	<1.00	<1.00
4-methyl-2-pentanone	ug/L	10.0	61.9	1.43	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	ug/L	1.00	80.6	1.45	<1.00	<1.00	<1.00	<1.00	<1.00
propylbenzene	ug/L	1.00	78.8	1.26	<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	ug/L	1.00	137.	2.90	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-tetrachloroe	ug/L	1.00	82.3	4.90	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-tetrachloroe	ug/L	1.00	76.9	3.96	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	ug/L	1.00	74.7	10.2	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	ug/L	0.500	80.2	2.95	<0.500	<0.500	<0.500	20.6	<0.500
1,2,3-trichlorobenze	ug/L	1.00	78.7	2.43	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4-trichlorobenze	ug/L	1.00	82.7	3.80	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-trichloroethan	ug/L	1.00	81.3	3.31	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-trichloroethan	ug/L	1.00	81.9	6.39	<1.00	<1.00	<1.00	<1.00	<1.00

Data Release Authorization

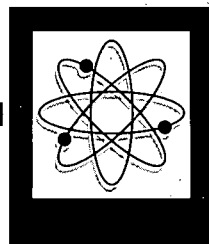
Sample integrity certified prior to analysis. Deficiencies are in QA Report Sec.4
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INCORPORATED



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

Date Reported : Aug12 1999
Project Number : Resource Recovery
PO Number : 110911
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

REPORT OF ANALYSIS

AUG 24 REC'D

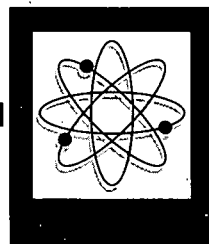
Parameter	Unit	Method	%ACC	%PRC	10325
					TRIP BLK
		Detection Limit			
2,2-dichloropropane	ug/L	3.00	78.3	3.25	<3.00
1,1-dichloropropene	ug/L	0.500	76.0	1.95	<0.500
cis-1,3-dichloroprop	ug/L	1.00	79.3	2.99	<1.00
trans-1,3,-dichlorop	ug/L	1.00	76.3	4.59	<1.00
Ethylbenzene	ug/L	0.500	78.8	3.55	<0.500
Hexachlorobutadiene	ug/L	1.00	82.0	.300	<1.00
2-Hexanone	ug/L	10.0	73.1	7.06	<10.0
Hexachloroethane	ug/L	1.00			<1.00
Isopropylbenzene	ug/L	1.00	80.0	2.17	<1.00
4-isopropyltoluene	ug/L	1.00	78.9	.890	<1.00
Methylene chloride	ug/L	1.00			<1.00
Methyl-tert-butyleth	ug/L	1.00	76.7	4.52	<1.00
2-butanone	ug/L	10.0			<10.0
Methyl iodide	ug/L	1.00	70.2	4.89	<1.00
4-methyl-2-pentanone	ug/L	10.0	61.9	1.43	<10.0
Naphthalene	ug/L	1.00	80.6	1.45	<1.00
propylbenzene	ug/L	1.00	78.8	1.26	<1.00
Styrene	ug/L	1.00	137.	2.90	<1.00
1,1,1,2-tetrachloroe	ug/L	1.00	82.3	4.90	<1.00
1,1,2,2-tetrachloroe	ug/L	1.00	76.9	3.96	<1.00
Tetrachloroethene	ug/L	1.00	74.7	10.2	<1.00
Toluene	ug/L	0.500	80.2	2.95	<0.500
1,2,3-trichlorobenze	ug/L	1.00	78.7	2.43	<1.00
1,2,4-trichlorobenze	ug/L	1.00	82.7	3.80	<1.00
1,1,1-trichloroethan	ug/L	1.00	81.3	3.31	<1.00
1,1,2-trichloroethan	ug/L	1.00	81.9	6.39	<1.00

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NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

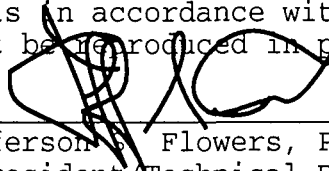
REPORT OF ANALYSIS

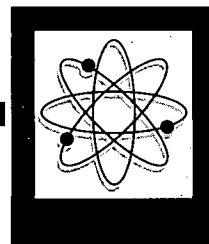
AUG 24 REC'D

Parameter	Unit	Method	%ACC	%PRC	10320	10321	10322	10323	10324
		Detection			EQBLK	ALPRIM	ALSEC	SWPRIM	SWSEC
		Limit							
Trichloroethene	ug/L	1.00	92.6	9.47	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluorometha	ug/L	2.00	84.5	2.80	<2.00	<2.00	<2.00	<2.00	<2.00
1,2,3-trichloropropa	ug/L	1.00	77.9	.270	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4-trimethylbenze	ug/L	1.00	80.1	3.00	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-trimethylbenze	ug/L	1.00	79.7	2.31	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl acetate	ug/L	1.00	89.4	19.5	<1.00	<1.00	<1.00	130.	<1.00
Vinyl chloride	ug/L	0.500	80.0	2.12	<0.500	<0.500	<0.500	<0.500	<0.500
Xylene	ug/L	0.500	79.0	3.09	<0.500	<0.500	<0.500	2.65	<0.500
Surrogate_Spike1	ug/L	1.00	104.	1.11	32.6	32.8	34.9	32.6	33.3
Surrogate_Spike2	ug/L	1.00	100.	.320	30.1	30.0	29.7	29.3	29.9
Surrogate_Spike3	ug/L	1.00	106.	.530	25.3	26.2	25.9	26.7	26.8

Data Release Authorization

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PO Number : 110911
FDHRSW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

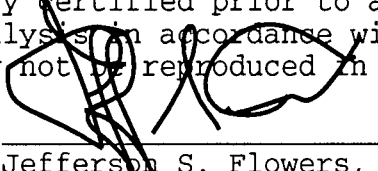
REPORT OF ANALYSIS

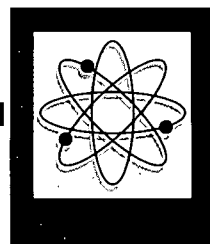
AUG 24 REC'D

Parameter	Unit	Method	%ACC	%PRC	10325
					TRIP
					BLK
		Detection Limit			
Trichloroethene	ug/L	1.00	92.6	9.47	<1.00
Trichlorofluorometha	ug/L	2.00	84.5	2.80	<2.00
1,2,3-trichloropropa	ug/L	1.00	77.9	.270	<1.00
1,2,4-trimethylbenze	ug/L	1.00	80.1	3.00	<1.00
1,3,5-trimethylbenze	ug/L	1.00	79.7	2.31	<1.00
Vinyl acetate	ug/L	1.00	89.4	19.5	<1.00
Vinyl chloride	ug/L	0.500	80.0	2.12	<0.500
Xylene	ug/L	0.500	79.0	3.09	<0.500
Surrogate_Spike1	ug/L	1.00	104.	1.11	33.3
Surrogate_Spike2	ug/L	1.00	100.	.320	30.0
Surrogate_Spike3	ug/L	1.00	106.	.530	26.5

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Date Reported : Aug12 1999
Project Number : Resource Recovery
PO Number : 110911
FDHRS Number : 83139
FHRIS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

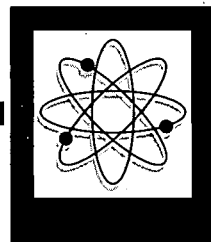
Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

REPORT OF INFORMATION

AUG 24 REC'D

Parameter	Unit	Limit	Expected Value	Range	Correlation
				10320	
Silver	mg/L	5.72	0.262	.00034	
Arsenic	mg/L	18.2	0.486	.00067	
Barium	mg/L	171.	4.02	.00105	
Cobalt	mg/L	13.3	1.09	.00018	
Chromium	mg/L	359.	4.69	.00244	
Copper	mg/L	2810	47.8	.00639	
Lead	mg/L	5360	53.7	.00086	
Selenium	mg/L	0.659	0.0226	.00118	
Thallium	mg/L	44.6	1.12	.00221	
Vanadium	mg/L	94.9	8.53	.00143	
Zinc	mg/L	12000	131.	.00606	
Methylene chloride	ug/L	15400	246.	1.47	
Surrogate_Spike1	ug/L	56.7	45.9	32.6	
Surrogate_Spike2	ug/L	-	-	30.1	
Surrogate_Spike3	ug/L	63.0	46.2	25.3	

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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Date Reported : Aug12 1999
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FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

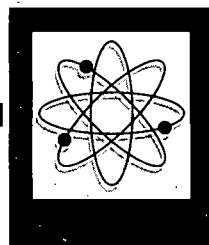
Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

REPORT OF INFORMATION

AUG 24. REC'D

Parameter	Unit	Limit	Expected Value	Range	Correlation
					10321
Silver	mg/L	5.72	0.262	0.0388	
Arsenic	mg/L	18.2	0.486	0.0906	
Barium	mg/L	171.	4.02	0.822	
Cadmium	mg/L	76.7	0.839	.00057	
Cobalt	mg/L	13.3	1.09	.00323	
Chromium	mg/L	359.	4.69	.00806	
Copper	mg/L	2810	47.8	.00606	
Nickel	mg/L	57.5	1.13	0.0950	
Lead	mg/L	5360	53.7	.00108	
Antimony	mg/L	5.69	0.270	0.0204	
Selenium	mg/L	0.659	0.0226	0.0211	
Thallium	mg/L	44.6	1.12	.00138	
Vanadium	mg/L	94.9	8.53	0.0442	
Zinc	mg/L	12000	131.	0.0185	
Methylene chloride	ug/L	15400	246.	2.84	
Surrogate_Spike1	ug/L	56.7	45.9	32.8	
Surrogate_Spike2	ug/L	-	-	30.0	
Surrogate_Spike3	ug/L	63.0	46.2	26.2	

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FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

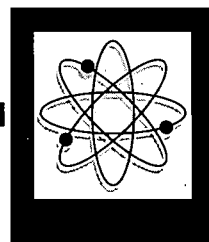
Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

REPORT OF INFORMATION

AUG 24 REC'D

Parameter	Unit	Limit	Expected Value	Range	Correlation
				10322	
Silver	mg/L	5.72	0.262	.00057	
Arsenic	mg/L	18.2	0.486	0.0133	
Barium	mg/L	171.	4.02	0.197	
Cadmium	mg/L	76.7	0.839	.00189	
Cobalt	mg/L	13.3	1.09	.00094	
Chromium	mg/L	359.	4.69	.00594	
Copper	mg/L	2810	47.8	0.0273	
Nickel	mg/L	57.5	1.13	0.0224	
Lead	mg/L	5360	53.7	.00711	
Antimony	mg/L	5.69	0.270	.00522	
Selenium	mg/L	0.659	0.0226	.00514	
Thallium	mg/L	44.6	1.12	.00163	
Vanadium	mg/L	94.9	8.53	0.0125	
Zinc	mg/L	12000	131.	0.0364	
Methylene chloride	ug/L	15400	246.	2.61	
Surrogate_Spike1	ug/L	56.7	45.9	34.9	
Surrogate_Spike2	ug/L	-	-	29.7	
Surrogate_Spike3	ug/L	63.0	46.2	25.9	

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Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

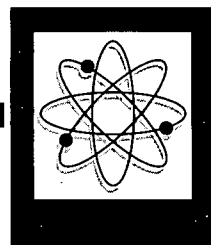
REPORT OF INFORMATION

AUG 24 REC'D

Parameter	Unit	Limit	Expected Value	Range	Correlation
				10323	
Silver	mg/L	5.72	0.262	.00027	
Arsenic	mg/L	18.2	0.486	0.0139	
Barium	mg/L	171.	4.02	0.0408	
Cadmium	mg/L	76.7	0.839	.00023	
Cobalt	mg/L	13.3	1.09	.00279	
Chromium	mg/L	359.	4.69	.00994	
Copper	mg/L	2810	47.8	0.0116	
Nickel	mg/L	57.5	1.13	0.0336	
Lead	mg/L	5360	53.7	.00144	
Antimony	mg/L	5.69	0.270	.00504	
Thallium	mg/L	44.6	1.12	.00160	
Vanadium	mg/L	94.9	8.53	0.0106	
Zinc	mg/L	12000	131.	.00772	
Acetone	ug/L	46900	3380	12.9	
Benzene	ug/L	50800	1260	0.610	
1,1-dichloroethane	ug/L	5770	187.	3.92	
cis-1,2-dichloroethane	ug/L	559.	90.5	3.73	
1,2-dichloroethene	ug/L	9180	175.	3.73	
Methylene chloride	ug/L	15400	246.	2.12	
2-butanone	ug/L	-	-	118.	
Toluene	ug/L	46500	6870	20.6	
Vinyl acetate	ug/L	-	-	130.	
Xylene	ug/L	16700	1840	2.65	
Surrogate_Spike1	ug/L	56.7	45.9	32.6	
Surrogate_Spike2	ug/L	-	-	29.3	
Surrogate_Spike3	ug/L	63.0	46.2	26.7	

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FHRIS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260

Date Sampled: Aug 5 1999 Date Received: Aug 6 1999 Lab Numbers: 10320-10325

REPORT OF INFORMATION

AUG 24 REC'D

Parameter	Unit	Limit	Expected Value	Range	Correlation
10323					
Silver	mg/L	5.72	0.262	.00015	
Arsenic	mg/L	18.2	0.486	.00469	
Barium	mg/L	171.	4.02	0.0193	
Cadmium	mg/L	76.7	0.839	.00015	
Cobalt	mg/L	13.3	1.09	.00021	
Chromium	mg/L	359.	4.69	.00397	
Copper	mg/L	2810	47.8	.00197	
Nickel	mg/L	57.5	1.13	.00327	
Lead	mg/L	5360	53.7	.00028	
Selenium	mg/L	0.659	0.0226	0.0125	
Thallium	mg/L	44.6	1.12	.00101	
Vanadium	mg/L	94.9	8.53	.00217	
Zinc	mg/L	12000	131.	.00405	
Methylene chloride	ug/L	15400	246.	2.88	
Surrogate_Spike1	ug/L	56.7	45.9	33.3	
Surrogate_Spike2	ug/L	-	-	29.9	
Surrogate_Spike3	ug/L	63.0	46.2	26.8	
10325					
Surrogate_Spike1	ug/L	56.7	45.9	33.3	
Surrogate_Spike2	ug/L	-	-	30.0	
Surrogate_Spike3	ug/L	63.0	46.2	26.5	

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.

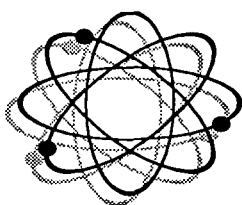
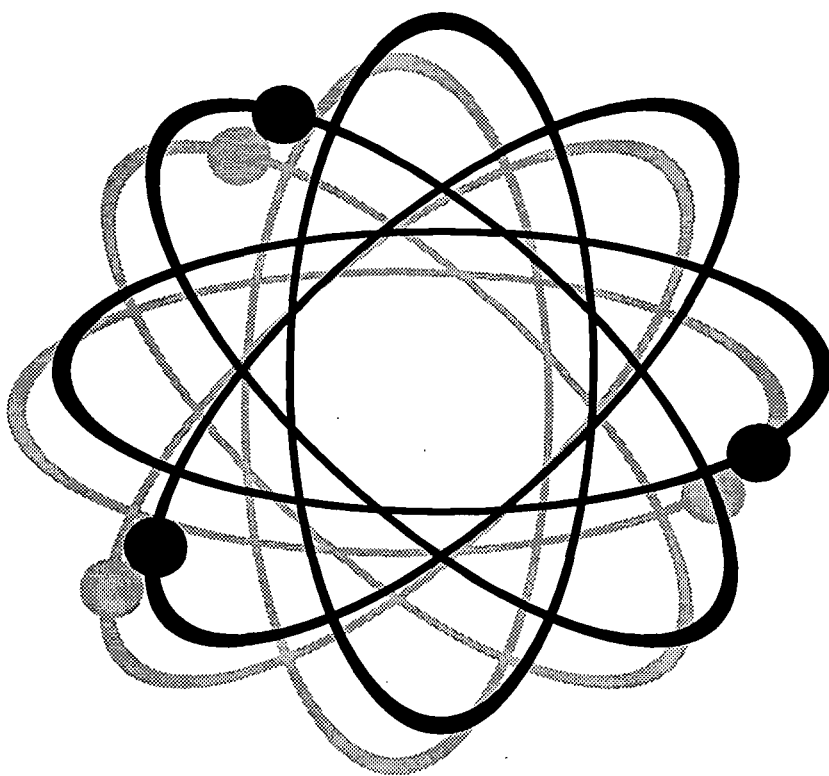
3609	FLOWERS CHEMICAL LABORATORIES																	
	ANALYTICAL RESULTS FORM												HRS Number 83139					
Parameter	Symbol	Unit	Eq Blk 10320	A-1 Prim 10321	A-1 Sec 10322	SW-Prim 10323	SW Sec 10324	Trip Blk 10325					QA		Section			
													Method	MDL	%RSD	%Rec	Analys	Date
Silver	*	mg/L	0.000345	0.0388	0.000567	0.000273	0.000152	-					EPA6020	0.00005	21.962405	76.6955	LSM	08-11-99
Arsenic	*	mg/L	0.000672	0.0906	0.0133	0.0139	0.00469	-					EPA6020	0.00005	3.4201188	100.745	LSM	08-11-99
Barium	*	mg/L	0.00105	0.822	0.197	0.0408	0.0193	-					EPA6020	0.0004	4.0799277	105.325	LSM	08-11-99
Beryllium	*	mg/L	<0.0001U	<0.0001U	<0.0001U	<0.0001U	<0.0001U	-					EPA6020	0.0001	3.0993842	133.25	LSM	08-11-99
Cadmium	*	mg/L	<0.00005U	0.000572	0.00189	0.000229	0.000154	-					EPA6020	0.00005	1.9449576	101.25	LSM	08-11-99
Cobalt	*	mg/L	0.000182	0.00323	0.000944	0.00279	0.000209	-					EPA6020	0.0001	3.4613653	97.69575	LSM	08-11-99
Chromium	*	mg/L	0.00244V	0.00806V	0.00594V	0.00994V	0.00397V	-					EPA6020	0.0002	2.5713000	101.155	LSM	08-11-99
Copper	*	mg/L	0.00639	0.00606	0.0273	0.0116	0.00197	-					EPA6020	0.0002	3.3993178	98.7625	LSM	08-11-99
Nickel	*	mg/L	<0.0002U	0.0950	0.0224	0.0336	0.00327	-					EPA6020	0.0002	3.7458444	95.6825	LSM	08-11-99
Lead	*	mg/L	0.000856	0.00108	0.00711	0.00144	0.000283	-					EPA6020	0.0001	3.9986110	102.6655	LSM	08-11-99
Antimony	*	mg/L	<0.0002U	0.0204	0.00522	0.00504	<0.0002U	-					EPA6020	0.0002	0.5790332	113.78	LSM	08-11-99
Selenium	*	mg/L	0.00118	0.0211	0.00514	<0.0003U	0.0125	-					EPA6020	0.0003	4.6518324	101.1275	LSM	08-11-99
Thallium	*	mg/L	0.00221	0.00138	0.00163	0.00160	0.00101	-					EPA6020	0.0001	4.3370060	104.308	LSM	08-11-99
Vanadium	*	mg/L	0.00143	0.0442	0.0125	0.0106	0.00217	-					EPA6020	0.00006	4.2241324	101.885	LSM	08-11-99
Zinc	*	mg/L	0.00606	0.0185	0.0364	0.00772	0.00405	-					EPA6020	0.0007	5.4319534	100.75	LSM	08-11-99
Dilution Factor	*	#	1	1	1	1	1	1					EPA5030	1			DO	08-11-99
Acetone	*	ug/L	<10U	<10U	<10U	12.93	<10U	<10U					EPA8260	10	2.34	61.5	DO	08-11-99
Acrylonitrile	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1			DO	08-11-99
Benzene	*	ug/L	<0.5U	<0.5U	<0.5U	0.61	<0.5U	<0.5U					EPA8260	0.5	3.05	77.7	DO	08-11-99
Bromobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.23	77.8	DO	08-11-99
Bromochloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.38	78.4	DO	08-11-99
Bromodichloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.28	85.2	DO	08-11-99
Bromoform	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.91	87	DO	08-11-99
Bromomethane	*	ug/L	<5U	<5U	<5U	<5U	<5U	<5U					EPA8260	5	2.46	86.3	DO	08-11-99
n-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.568	80.9	DO	08-11-99
sec-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.25	79.5	DO	08-11-99
tert-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	4.76	84	DO	08-11-99
Carbon disulfide	*	ug/L	<5U	<5U	<5U	<5U	<5U	<5U					EPA8260	5	5.68	64.1	DO	08-11-99
Carbon tetrachloride	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	7	80.3	DO	08-11-99
Chlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	3.12	79.3	DO	08-11-99
Chloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	4.37	66.4	DO	08-11-99
Chloroform	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.48	85.3	DO	08-11-99
Chloromethane	*	ug/L	<5U	<5U	<5U	<5U	<5U	<5U					EPA8260	5	1.04	71.6	DO	08-11-99
2-chlorotoluene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	2.26	78.3	DO	08-11-99
4-chlorotoluene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	2.65	80	DO	08-11-99
Dibromochloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	5.11	82.3	DO	08-11-99
1,2-dibromo-3-chloroprop.	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.19	76.4	DO	08-11-99
1,2-dibromoethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	5.97	80.5	DO	08-11-99
Dibromomethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	7.39	79	DO	08-11-99
o-dichlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	2.11	78.7	DO	08-11-99
m-dichlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	1.36	77.9	DO	08-11-99
Para-dichlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	2.16	75.4	DO	08-11-99
Dichlorodifluoromethane	*	ug/L	<2U	<2U	<2U	<2U	<2U	<2U					EPA8260	2	4.05	83.9	DO	08-11-99
t-1,4-dichloro-2-butene	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U					EPA8260	10			DO	08-11-99
1,1-dichloroethane	*	ug/L	<1U	<1U	<1U	3.92	<1U	<1U					EPA8260	1	1.74	83.3	DO	08-11-99
1,2-dichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.929	79.9	DO	08-11-99
1,1-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	13.2	78.7	DO	08-11-99
cis-1,2-dichloroethene	*	ug/L	<1U	<1U	<1U	3.73	<1U	<1U					EPA8260	1	4.84	80.3	DO	08-11-99
t-1,2-dichloroethene	*	ug/L	<2U	<2U	<2U	<2U	<2U	<2U					EPA8260	2	2.02	76.9	DO	08-11-99
1,2-dichloroethene	*	ug/L	<1U	<1U	<1U	3.73	<1U	<1U					EPA8260	1	3.46	78.6	DO	08-11-99

1,2-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.81	80.4	DO	08-11-99
1,3-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.63	81.8	DO	08-11-99
2,2-dichloropropane	*	ug/L	<3U	<3U	<3U	<3U	<3U	<3U					EPA8260	3	3.25	78.3	DO	08-11-99
1,1-dichloropropene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	1.95	76	DO	08-11-99
cis-1,3-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.99	79.3	DO	08-11-99
trans-1,3-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	4.59	76.3	DO	08-11-99
Ethylbenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	3.55	78.8	DO	08-11-99
Hexachlorobutadiene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.302	82	DO	08-11-99
2-Hexanone	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U					EPA8260	10	7.06	73.1	DO	08-11-99
Hexachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1			DO	08-11-99
Isopropylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.17	80	DO	08-11-99
4-Isopropyltoluene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.897	78.9	DO	08-11-99
Methylene chloride	*	ug/L	1.47J	2.84J	2.61J	2.12J	2.88J	<1U					EPA8260	1			DO	08-11-99
Methyl-tert-butylether	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	4.52	76.7	DO	08-11-99
2-butanone	*	ug/L	<10U	<10U	<10U	118J	<10U	<10U					EPA8260	10			DO	08-11-99
Methyl iodide	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	4.89	70.2	DO	08-11-99
4-methyl-2-pentanone	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U					EPA8260	10	1.43	61.9	DO	08-11-99
Naphthalene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.45	80.6	DO	08-11-99
Propylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	1.26	78.8	DO	08-11-99
Styrene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.9	137	DO	08-11-99
1,1,1,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	4.9	82.3	DO	08-11-99
1,1,2,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.96	76.9	DO	08-11-99
Tetrachloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	10.2	74.7	DO	08-11-99
Toluene	*	ug/L	<0.5U	<0.5U	<0.5U	20.65	<0.5U	<0.5U					EPA8260	0.5	2.95	80.2	DO	08-11-99
1,2,3-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.43	78.7	DO	08-11-99
1,2,4-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.8	82.7	DO	08-11-99
1,1,1-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3.31	81.3	DO	08-11-99
1,1,2-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	6.39	81.9	DO	08-11-99
Trichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	9.47	82.6	DO	08-11-99
Trichlorofluoromethane	*	ug/L	<2U	<2U	<2U	<2U	<2U	<2U					EPA8260	2	2.8	84.5	DO	08-11-99
1,2,3-trichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	0.272	77.9	DO	08-11-99
1,2,4-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	3	80.1	DO	08-11-99
1,3,5-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U					EPA8260	1	2.31	79.7	DO	08-11-99
Vinyl acetate	*	ug/L	<1U	<1U	<1U	130.35	<1U	<1U					EPA8260	1	19.5	89.4	DO	08-11-99
Vinyl chloride	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U					EPA8260	0.5	2.12	80	DO	08-11-99
Xylene	*	ug/L	<0.5U	<0.5U	<0.5U	2.65	<0.5U	<0.5U					EPA8260	0.5	3.09	79	DO	08-11-99
Surrogate Spike1	*	ug/L	32.56	32.8J	34.9J	32.57	33.3J	33.3J					EPA8260	1	1.11	104	DO	08-11-99
Surrogate Spike2	*	ug/L	30.08	30.04	29.74	29.32	29.94	29.95					EPA8260	1	0.329	100	DO	08-11-99
Surrogate Spike3	*	ug/L	25.32	26.18	25.89	26.73	26.76	26.47					EPA8260	1	0.533	106	DO	08-11-99
-	*	-											-	-				
Date Received: 08-06-99 Typed: 08-12-99 Sent: 08-12-99																		
Project Number	Resource Recovery																	
PO Number	110911																	
Date Sampled	1 08-05-99 *																	
Date Analyzed	0																	
Compacted	1																	
Format	NormRR																	
Unit Cost	Extd																	
Appendix I	18500 5 *																	
EPA8260	16500 1 *																	

Quality Assurance Report

Prepared for: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
Lab Numbers: 10320 - 10325

Report date: 12-Aug-99



**FLOWERS
CHEMICAL
LABORATORIES**

**QA
Conformance
Summary**

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Sample Handling

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

Samples Collected by Submitter

Surrogate Compound Recoveries:

The recovery limits were exceeded for 4 samples as shown in section 1. This represents a 77.8% success rate.

Surrogate exceedences are attributed to matrix interferences.

Accuracy / Precision:

The recovery limits were exceeded for 4 compounds in the matrix spike as shown in section 2. This represents a 95.1% success rate.

The recovery limits were exceeded for 4 compounds in the matrix spike duplicate as shown in section 2. This represents a 95.1% success rate.

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 10 compounds as shown in section 4. This represents a 87.8% success rate.

Standards Traceability:

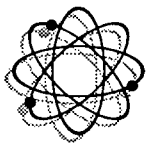
The t-test limits were exceeded for 5 calibration standards as shown in section 5.

This represents a 93.7% success rate.

The t-test limits were exceeded for 5 QCCS standards as shown in section 5. This represents a 93.7% success rate.

The t-test limits were exceeded for 6 matrix spike standards as shown in section 5.

This represents a 92.4% success rate.



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

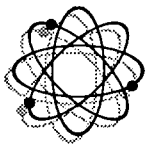
Surrogate_Spike1 for EPA8260

Surrogate Expected: 30

Unit of measure: ug/L

Acceptability Limits: 18.9 - 32.6

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
10320	Eq Blk	32.6	109
10321	A-1 Prim	32.8J	0
10322	A-1 Sec	34.9J	0
10323	SW-Prim	32.6	109
10324	SW Sec	33.3J	0
10325	Trip Blk	33.3J	0



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

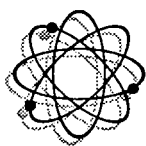
Surrogate_Spike2 for EPA8260

Surrogate Expected: 30

Unit of measure: ug/L

Acceptability Limits: 24.2 - 31.9

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
10320	Eq Blk	30.1	100
10321	A-1 Prim	30.0	100
10322	A-1 Sec	29.7	99.1
10323	SW-Prim	29.3	97.7
10324	SW Sec	29.9	99.8
10325	Trip Blk	30.0	99.8



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

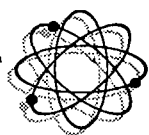
Surrogate_Spike3 for EPA8260

Surrogate Expected: 30

Unit of measure: ug/L

Acceptability Limits: 15.7 - 29.9

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
10320	Eq Blk	25.3	84.4
10321	A-1 Prim	26.2	87.3
10322	A-1 Sec	25.9	86.3
10323	SW-Prim	26.7	89.1
10324	SW Sec	26.8	89.2
10325	Trip Blk	26.5	88.2



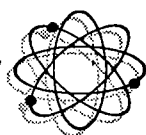
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

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	08-11-99	0.111	0.000	0.086	76.7%	0.067	59.7%	0.066 - 0.148	0.013	0 - 0.025
Arsenic	mg/L	EPA6020	08-11-99	0.222	0.002	0.226	101%	0.234	105%	0.176 - 0.281	0.006	0 - 0.032
Barium	mg/L	EPA6020	08-11-99	0.222	0.013	0.247	105%	0.259	111%	0.177 - 0.296	0.008	0 - 0.035
Beryllium	mg/L	EPA6020	08-11-99	0.222	<0.0001	0.296	133%	0.307	138%	0.150 - 0.316	0.007	0 - 0.046
Cadmium	mg/L	EPA6020	08-11-99	0.222	0.0000	0.225	101%	0.230	104%	0.154 - 0.283	0.004	0 - 0.033
Cobalt	mg/L	EPA6020	08-11-99	0.222	0.000	0.217	97.7%	0.209	93.9%	0.153 - 0.290	0.006	0 - 0.039
Chromium	mg/L	EPA6020	08-11-99	0.222	0.001	0.226	101%	0.233	104%	0.165 - 0.281	0.005	0 - 0.032
Copper	mg/L	EPA6020	08-11-99	0.222	0.002	0.221	98.8%	0.213	95.0%	0.145 - 0.285	0.006	0 - 0.040
Nickel	mg/L	EPA6020	08-11-99	0.222	0.002	0.214	95.7%	0.206	91.7%	0.151 - 0.285	0.006	0 - 0.036
Lead	mg/L	EPA6020	08-11-99	0.222	0.000	0.228	103%	0.239	107%	0.164 - 0.288	0.007	0 - 0.033
Antimony	mg/L	EPA6020	08-11-99	0.222	0.001	0.254	114%	0.256	115%	0.167 - 0.290	0.001	0 - 0.037
Selenium	mg/L	EPA6020	08-11-99	0.222	0.003	0.228	101%	0.216	95.9%	0.162 - 0.284	0.008	0 - 0.033
Thallium	mg/L	EPA6020	08-11-99	0.222	0.000	0.232	104%	0.244	110%	0.164 - 0.290	0.008	0 - 0.039
Vanadium	mg/L	EPA6020	08-11-99	0.222	0.001	0.227	102%	0.238	107%	0.163 - 0.301	0.008	0 - 0.044
Zinc	mg/L	EPA6020	08-11-99	0.222	<0.0007	0.224	101%	0.211	94.8%	0.129 - 0.295	0.009	0 - 0.047
Acetone	ug/L	EPA8260	08-11-99	200	<10	125	62.5%	121	60.5%	78.8 - 318	2.83	0 - 64.7
Benzene	ug/L	EPA8260	08-11-99	20	<0.5	15.2	76.0%	15.9	79.5%	13.0 - 25.0	0.495	0 - 3.81
Bromobenzene	ug/L	EPA8260	08-11-99	20	<1	15.3	76.5%	15.8	79.0%	15.0 - 23.7	0.354	0 - 2.45
Bromochloromethane	ug/L	EPA8260	08-11-99	20	<1	15.3	76.5%	16.1	80.5%	14.8 - 24.2	0.566	0 - 2.81
Bromodichloromethane	ug/L	EPA8260	08-11-99	20	<1	16.8	84.0%	17.3	86.5%	15.6 - 24.1	0.354	0 - 2.28
Bromoform	ug/L	EPA8260	08-11-99	20	<1	17.2	86.0%	17.6	88.0%	13.0 - 25.8	0.283	0 - 3.27
Bromomethane	ug/L	EPA8260	08-11-99	20	<5	17.0	85.0%	17.6	88.0%	13.7 - 26.3	0.424	0 - 4.42
n-butylbenzene	ug/L	EPA8260	08-11-99	20	<1	16.1	80.5%	16.2	81.0%	14.1 - 23.6	0.071	0 - 2.67
sec-butylbenzene	ug/L	EPA8260	08-11-99	20	<1	15.8	79.0%	16.0	80.0%	15.1 - 23.4	0.141	0 - 2.50
tert-butylbenzene	ug/L	EPA8260	08-11-99	20	<1	16.2	81.0%	17.4	87.0%	15.1 - 23.8	0.849	0 - 2.48
Carbon disulfide	ug/L	EPA8260	08-11-99	20	<5	12.3	61.5%	13.3	66.5%	8.84 - 30.7	0.707	0 - 5.81
Carbon tetrachloride	ug/L	EPA8260	08-11-99	20	<1	15.3	76.5%	16.9	84.5%	11.8 - 27.9	1.13	0 - 4.34
Chlorobenzene	ug/L	EPA8260	08-11-99	20	<0.5	15.5	77.5%	16.2	81.0%	16.5 - 23.2	0.495	0 - 1.81
Chloroethane	ug/L	EPA8260	08-11-99	20	<1	12.9	64.5%	13.7	68.5%	12.1 - 26.5	0.566	0 - 5.17
Chloroform	ug/L	EPA8260	08-11-99	20	<1	16.6	83.0%	17.5	87.5%	13.9 - 26.1	0.636	0 - 3.72
Chloromethane	ug/L	EPA8260	08-11-99	20	<5	14.2	71.0%	14.4	72.0%	10.8 - 26.0	0.141	0 - 4.26
2-chlorotoluene	ug/L	EPA8260	08-11-99	20	<0.5	15.4	77.0%	15.9	79.5%	14.8 - 23.9	0.354	0 - 2.51
4-chlorotoluene	ug/L	EPA8260	08-11-99	20	<0.5	15.7	78.5%	16.3	81.5%	14.6 - 23.6	0.424	0 - 2.23
Dibromochloromethane	ug/L	EPA8260	08-11-99	20	<1	15.9	79.5%	17.1	85.5%	15.3 - 24.3	0.849	0 - 2.54
1,2-dibromo-3-chloropropane	ug/L	EPA8260	08-11-99	20	<1	14.9	74.5%	15.6	78.0%	12.0 - 26.3	0.495	0 - 4.44



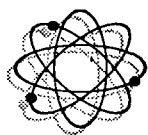
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

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	08-11-99	20	<1	15.4	77.0%	16.8	84.0%	15.4 - 24.3	0.990	0 - 2.93
Dibromomethane	ug/L	EPA8260	08-11-99	20	<1	15.0	75.0%	16.6	83.0%	15.9 - 23.9	1.13	0 - 2.31
o-dichlorobenzene	ug/L	EPA8260	08-11-99	20	<0.5	15.5	77.5%	16.0	80.0%	14.4 - 24.4	0.354	0 - 2.69
m-dichlorobenzene	ug/L	EPA8260	08-11-99	20	<0.5	15.4	77.0%	15.7	78.5%	14.5 - 24.0	0.212	0 - 2.61
Para-dichlorobenzene	ug/L	EPA8260	08-11-99	20	<0.5	15.3	76.5%	14.9	74.5%	14.3 - 23.9	0.283	0 - 2.65
Dichlorodifluoromethane	ug/L	EPA8260	08-11-99	20	<2	16.3	81.5%	17.3	86.5%	8.64 - 26.2	0.707	0 - 4.79
1,1-dichloroethane	ug/L	EPA8260	08-11-99	20	<1	16.5	82.5%	16.9	84.5%	13.3 - 26.4	0.283	0 - 3.91
1,2-dichloroethane	ug/L	EPA8260	08-11-99	20	<1	15.9	79.5%	16.1	80.5%	13.7 - 25.6	0.141	0 - 3.45
1,1-dichloroethene	ug/L	EPA8260	08-11-99	20	<1	14.3	71.5%	17.2	86.0%	13.2 - 25.3	2.05	0 - 3.40
cis-1,2-dichloroethene	ug/L	EPA8260	08-11-99	20	<1	15.5	77.5%	16.6	83.0%	14.4 - 24.7	0.778	0 - 2.91
t-1,2-dichloroethene	ug/L	EPA8260	08-11-99	20	<2	15.2	76.0%	15.6	78.0%	12.5 - 26.2	0.283	0 - 3.68
1,2-dichloroethene	ug/L	EPA8260	08-11-99	40	<1	30.7	76.8%	32.2	80.5%	27.5 - 50.7	1.06	0 - 6.16
1,2-dichloropropane	ug/L	EPA8260	08-11-99	20	<1	15.8	79.0%	16.4	82.0%	14.8 - 24.8	0.424	0 - 2.43
1,3-dichloropropane	ug/L	EPA8260	08-11-99	20	<1	15.9	79.5%	16.8	84.0%	15.4 - 24.5	0.636	0 - 2.56
2,2-dichloropropane	ug/L	EPA8260	08-11-99	20	<3	15.3	76.5%	16.0	80.0%	5.70 - 25.9	0.495	0 - 6.44
1,1-dichloropropene	ug/L	EPA8260	08-11-99	20	<0.5	15.0	75.0%	15.4	77.0%	13.7 - 23.9	0.283	0 - 2.83
cis-1,3-dichloropropene	ug/L	EPA8260	08-11-99	20	<1	15.5	77.5%	16.2	81.0%	14.9 - 23.8	0.495	0 - 2.56
trans-1,3,-dichloropropene	ug/L	EPA8260	08-11-99	20	<1	14.8	74.0%	15.8	79.0%	13.7 - 25.1	0.707	0 - 3.23
Ethylbenzene	ug/L	EPA8260	08-11-99	20	<0.5	15.4	77.0%	16.2	81.0%	15.2 - 23.3	0.566	0 - 2.47
Hexachlorobutadiene	ug/L	EPA8260	08-11-99	20	<1	16.4	82.0%	16.4	82.0%	14.9 - 23.7	0.000	0 - 2.88
2-Hexanone	ug/L	EPA8260	08-11-99	20	<10	15.4	77.0%	13.9	69.5%	10.5 - 28.3	1.06	0 - 3.99
Isopropylbenzene	ug/L	EPA8260	08-11-99	20	<1	15.8	79.0%	16.2	81.0%	13.2 - 24.6	0.283	0 - 3.18
4-isopropyltoluene	ug/L	EPA8260	08-11-99	20	<1	15.7	78.5%	15.9	79.5%	15.5 - 23.0	0.141	0 - 2.30
Methylene chloride	ug/L	EPA8260	08-11-99	20	5.40	14.2	44.0%	15.6	51.0%	16.3 - 35.0	0.990	0 - 5.75
Methyl-tert-butylether	ug/L	EPA8260	08-11-99	20	<1	14.8	74.0%	15.8	79.0%	8.84 - 27.0	0.707	0 - 4.50
2-butanone	ug/L	EPA8260	08-11-99	200	<10	19.3	9.65%	13.7	6.85%	79.8 - 310	3.96	0 - 66.1
Methyl iodide	ug/L	EPA8260	08-11-99	20	<1	13.6	68.0%	14.5	72.5%	10.4 - 32.4	0.636	0 - 5.02
4-methyl-2-pentanone	ug/L	EPA8260	08-11-99	20	<10	12.3	61.5%	12.5	62.5%	7.46 - 27.9	0.141	0 - 5.19
Naphthalene	ug/L	EPA8260	08-11-99	20	<1	16.0	80.0%	16.3	81.5%	12.2 - 26.9	0.212	0 - 4.54
Propylbenzene	ug/L	EPA8260	08-11-99	20	<1	15.6	78.0%	15.9	79.5%	14.8 - 23.6	0.212	0 - 2.43
Styrene	ug/L	EPA8260	08-11-99	20	<1	26.8	134%	27.9	140%	14.3 - 26.9	0.778	0 - 2.71
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-11-99	20	<1	15.9	79.5%	17.0	85.0%	15.7 - 24.1	0.778	0 - 2.61
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-11-99	20	<1	14.9	74.5%	15.8	79.0%	11.6 - 25.9	0.636	0 - 4.02
Tetrachloroethene	ug/L	EPA8260	08-11-99	40	<1	32.0	80.0%	27.7	69.3%	21.9 - 55.8	3.04	0 - 10.3
Toluene	ug/L	EPA8260	08-11-99	20	<0.5	15.7	78.5%	16.4	82.0%	14.3 - 24.0	0.495	0 - 2.90



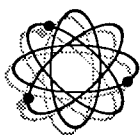
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

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	08-11-99	20	<1	15.5	77.5%	16.0	80.0%	13.0 - 26.1	0.354	0 - 4.01
1,2,4-trichlorobenzene	ug/L	EPA8260	08-11-99	20	<1	16.1	80.5%	17.0	85.0%	13.2 - 25.4	0.636	0 - 3.65
1,1,1-trichloroethane	ug/L	EPA8260	08-11-99	20	<1	15.9	79.5%	16.6	83.0%	13.7 - 25.7	0.495	0 - 3.14
1,1,2-trichloroethane	ug/L	EPA8260	08-11-99	20	<1	15.6	78.0%	17.1	85.5%	15.6 - 24.3	1.06	0 - 2.53
Trichloroethene	ug/L	EPA8260	08-11-99	20	<1	17.3	86.5%	19.8	99.0%	13.2 - 28.0	1.77	0 - 3.87
Trichlorofluoromethane	ug/L	EPA8260	08-11-99	20	<2	16.6	83.0%	17.2	86.0%	7.40 - 28.8	0.424	0 - 4.98
1,2,3-trichloropropane	ug/L	EPA8260	08-11-99	20	<1	15.6	78.0%	15.6	78.0%	12.0 - 27.4	0.000	0 - 4.00
1,2,4-trimethylbenzene	ug/L	EPA8260	08-11-99	20	<1	15.7	78.5%	16.4	82.0%	14.1 - 24.4	0.495	0 - 3.05
1,3,5-trimethylbenzene	ug/L	EPA8260	08-11-99	20	<1	15.7	78.5%	16.2	81.0%	14.8 - 23.6	0.354	0 - 2.62
Vinyl acetate	ug/L	EPA8260	08-11-99	20	<1	20.4	102%	15.4	77.0%	7.20 - 30.4	3.54	0 - 7.40
Vinyl chloride	ug/L	EPA8260	08-11-99	20	<0.5	15.8	79.0%	16.2	81.0%	11.6 - 27.4	0.283	0 - 5.37
Xylene	ug/L	EPA8260	08-11-99	60	<0.5	46.4	77.3%	48.4	80.7%	45.5 - 70.3	1.41	0 - 6.94



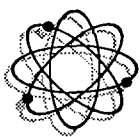
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Analyte	Unit	Method	Date	Concentration
Silver	mg/L	EPA6020	08-11-99	<0.00005
Arsenic	mg/L	EPA6020	08-11-99	<0.00005
Barium	mg/L	EPA6020	08-11-99	<0.0004
Beryllium	mg/L	EPA6020	08-11-99	<0.0001
Cadmium	mg/L	EPA6020	08-11-99	<0.00005
Cobalt	mg/L	EPA6020	08-11-99	<0.0001
Chromium	mg/L	EPA6020	08-11-99	0.000
Copper	mg/L	EPA6020	08-11-99	<0.0002
Nickel	mg/L	EPA6020	08-11-99	<0.0002
Lead	mg/L	EPA6020	08-11-99	<0.0001
Antimony	mg/L	EPA6020	08-11-99	<0.0002
Selenium	mg/L	EPA6020	08-11-99	<0.0003
Thallium	mg/L	EPA6020	08-11-99	<0.0001
Vanadium	mg/L	EPA6020	08-11-99	<0.00006
Zinc	mg/L	EPA6020	08-11-99	<0.0007
Acetone	ug/L	EPA8260	08-11-99	<10
Acrylonitrile	ug/L	EPA8260	08-11-99	<1
Benzene	ug/L	EPA8260	08-11-99	<0.5
Bromobenzene	ug/L	EPA8260	08-11-99	<1
Bromochloromethane	ug/L	EPA8260	08-11-99	<1
Bromodichloromethane	ug/L	EPA8260	08-11-99	<1
Bromoform	ug/L	EPA8260	08-11-99	<1
Bromomethane	ug/L	EPA8260	08-11-99	<5
n-butylbenzene	ug/L	EPA8260	08-11-99	<1
sec-butylbenzene	ug/L	EPA8260	08-11-99	<1
tert-butylbenzene	ug/L	EPA8260	08-11-99	<1
Carbon disulfide	ug/L	EPA8260	08-11-99	<5
Carbon tetrachloride	ug/L	EPA8260	08-11-99	<1
Chlorobenzene	ug/L	EPA8260	08-11-99	<0.5



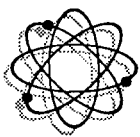
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Analyte	Unit	Method	Date	Concentration
Chloroethane	ug/L	EPA8260	08-11-99	<1
Chloroform	ug/L	EPA8260	08-11-99	<1
Chloromethane	ug/L	EPA8260	08-11-99	<5
2-chlorotoluene	ug/L	EPA8260	08-11-99	<0.5
4-chlorotoluene	ug/L	EPA8260	08-11-99	<0.5
Dibromochloromethane	ug/L	EPA8260	08-11-99	<1
1,2-dibromo-3-chloropropane	ug/L	EPA8260	08-11-99	<1
1,2-dibromoethane	ug/L	EPA8260	08-11-99	<1
Dibromomethane	ug/L	EPA8260	08-11-99	<1
o-dichlorobenzene	ug/L	EPA8260	08-11-99	<0.5
m-dichlorobenzene	ug/L	EPA8260	08-11-99	<0.5
Para-dichlorobenzene	ug/L	EPA8260	08-11-99	<0.5
Dichlorodifluoromethane	ug/L	EPA8260	08-11-99	<2
t-1,4-dichloro-2-butene	ug/L	EPA8260	08-11-99	<10
1,1-dichloroethane	ug/L	EPA8260	08-11-99	<1
1,2-dichloroethane	ug/L	EPA8260	08-11-99	<1
1,1-dichloroethene	ug/L	EPA8260	08-11-99	<1
cis-1,2-dichloroethene	ug/L	EPA8260	08-11-99	<1
t-1,2-dichloroethene	ug/L	EPA8260	08-11-99	<2
1,2-dichloroethene	ug/L	EPA8260	08-11-99	<1
1,2-dichloropropane	ug/L	EPA8260	08-11-99	<1
1,3-dichloropropane	ug/L	EPA8260	08-11-99	<1
2,2-dichloropropane	ug/L	EPA8260	08-11-99	<3
1,1-dichloropropene	ug/L	EPA8260	08-11-99	<0.5
cis-1,3-dichloropropene	ug/L	EPA8260	08-11-99	<1
trans-1,3,-dichloropropene	ug/L	EPA8260	08-11-99	<1
Ethylbenzene	ug/L	EPA8260	08-11-99	<0.5
Hexachlorobutadiene	ug/L	EPA8260	08-11-99	<1
2-Hexanone	ug/L	EPA8260	08-11-99	<10



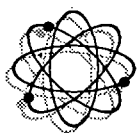
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Analyte	Unit	Method	Date	Concentration
Hexachloroethane	ug/L	EPA8260	08-11-99	<1
Isopropylbenzene	ug/L	EPA8260	08-11-99	<1
4-isopropyltoluene	ug/L	EPA8260	08-11-99	<1
Methylene chloride	ug/L	EPA8260	08-11-99	<1
Methyl-tert-butylether	ug/L	EPA8260	08-11-99	<1
2-butanone	ug/L	EPA8260	08-11-99	<10
Methyl_iodide	ug/L	EPA8260	08-11-99	<1
4-methyl-2-pentanone	ug/L	EPA8260	08-11-99	<10
Naphthalene	ug/L	EPA8260	08-11-99	<1
Propylbenzene	ug/L	EPA8260	08-11-99	<1
Styrene	ug/L	EPA8260	08-11-99	<1
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-11-99	<1
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-11-99	<1
Tetrachloroethene	ug/L	EPA8260	08-11-99	<1
Toluene	ug/L	EPA8260	08-11-99	<0.5
1,2,3-trichlorobenzene	ug/L	EPA8260	08-11-99	<1
1,2,4-trichlorobenzene	ug/L	EPA8260	08-11-99	<1
1,1,1-trichloroethane	ug/L	EPA8260	08-11-99	<1
1,1,2-trichloroethane	ug/L	EPA8260	08-11-99	<1
Trichloroethene	ug/L	EPA8260	08-11-99	<1
Trichlorofluoromethane	ug/L	EPA8260	08-11-99	<2
1,2,3-trichloropropane	ug/L	EPA8260	08-11-99	<1
1,2,4-trimethylbenzene	ug/L	EPA8260	08-11-99	<1
1,3,5-trimethylbenzene	ug/L	EPA8260	08-11-99	<1
Vinyl acetate	ug/L	EPA8260	08-11-99	<1
Vinyl chloride	ug/L	EPA8260	08-11-99	<0.5
Xylene	ug/L	EPA8260	08-11-99	<0.5



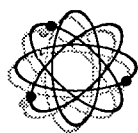
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
Silver	mg/L	EPA6020	08-11-99	0.100	0.100	99.8%	0.081 - 0.119
Arsenic	mg/L	EPA6020	08-11-99	0.100	0.097	96.7%	0.087 - 0.113
Barium	mg/L	EPA6020	08-11-99	0.100	0.103	103%	0.087 - 0.115
Beryllium	mg/L	EPA6020	08-11-99	0.100	0.119	119%	0.067 - 0.133
Cadmium	mg/L	EPA6020	08-11-99	0.100	0.100	100%	0.088 - 0.113
Cobalt	mg/L	EPA6020	08-11-99	0.100	0.093	92.5%	0.084 - 0.118
Chromium	mg/L	EPA6020	08-11-99	0.100	0.100	99.5%	0.084 - 0.115
Copper	mg/L	EPA6020	08-11-99	0.100	0.097	97.2%	0.080 - 0.118
Nickel	mg/L	EPA6020	08-11-99	0.100	0.094	93.9%	0.082 - 0.115
Lead	mg/L	EPA6020	08-11-99	0.100	0.100	100%	0.085 - 0.119
Antimony	mg/L	EPA6020	08-11-99	0.100	0.103	103%	0.086 - 0.111
Selenium	mg/L	EPA6020	08-11-99	0.100	0.100	100%	0.084 - 0.116
Thallium	mg/L	EPA6020	08-11-99	0.100	0.099	99.1%	0.085 - 0.119
Vanadium	mg/L	EPA6020	08-11-99	0.100	0.100	100%	0.085 - 0.116
Zinc	mg/L	EPA6020	08-11-99	0.100	0.094	94.4%	0.080 - 0.118
Acetone	ug/L	EPA8260	08-11-99	100	73.3	73.3%	40.4 - 162
Benzene	ug/L	EPA8260	08-11-99	10.0	8.02	80.2%	6.63 - 13.2
Bromobenzene	ug/L	EPA8260	08-11-99	10.0	7.91	79.1%	7.46 - 12.1
Bromochloromethane	ug/L	EPA8260	08-11-99	10.0	7.51	75.1%	7.65 - 11.7
Bromodichloromethane	ug/L	EPA8260	08-11-99	10.0	8.38	83.8%	8.04 - 11.8
Bromoform	ug/L	EPA8260	08-11-99	10.0	8.23	82.3%	6.52 - 12.8
Bromomethane	ug/L	EPA8260	08-11-99	10.0	8.73	87.3%	5.90 - 14.3
n-butylbenzene	ug/L	EPA8260	08-11-99	10.0	7.71	77.1%	7.03 - 12.1
sec-butylbenzene	ug/L	EPA8260	08-11-99	10.0	8.14	81.4%	7.45 - 12.2
tert-butylbenzene	ug/L	EPA8260	08-11-99	10.0	8.60	86.0%	6.93 - 13.0
Carbon disulfide	ug/L	EPA8260	08-11-99	10.0	7.47	74.7%	4.91 - 15.9
Carbon tetrachloride	ug/L	EPA8260	08-11-99	10.0	7.57	75.7%	6.38 - 13.4
Chlorobenzene	ug/L	EPA8260	08-11-99	10.0	7.75	77.5%	8.55 - 11.6
Chloroethane	ug/L	EPA8260	08-11-99	10.0	6.67	66.7%	5.31 - 14.6
Chloroform	ug/L	EPA8260	08-11-99	10.0	9.15	91.5%	7.39 - 13.2
Chloromethane	ug/L	EPA8260	08-11-99	10.0	7.13	71.3%	3.94 - 14.0
2-chlorotoluene	ug/L	EPA8260	08-11-99	10.0	8.33	83.3%	7.03 - 12.7
4-chlorotoluene	ug/L	EPA8260	08-11-99	10.0	7.77	77.7%	7.15 - 12.4
Dibromochloromethane	ug/L	EPA8260	08-11-99	10.0	7.49	74.9%	7.73 - 11.8
1,2-dibromo-3-chloropropane	ug/L	EPA8260	08-11-99	10.0	6.93	69.3%	5.92 - 12.5



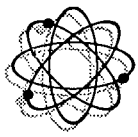
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
1,2-dibromoethane	ug/L	EPA8260	08-11-99	10.0	8.00	80.0%	8.16 - 11.5
Dibromomethane	ug/L	EPA8260	08-11-99	10.0	8.08	80.8%	8.23 - 12.0
o-dichlorobenzene	ug/L	EPA8260	08-11-99	10.0	7.89	78.9%	7.84 - 12.1
m-dichlorobenzene	ug/L	EPA8260	08-11-99	10.0	7.89	78.9%	7.96 - 11.9
Para-dichlorobenzene	ug/L	EPA8260	08-11-99	10.0	7.53	75.3%	7.80 - 12.1
Dichlorodifluoromethane	ug/L	EPA8260	08-11-99	10.0	8.62	86.2%	4.22 - 13.5
1,1-dichloroethane	ug/L	EPA8260	08-11-99	10.0	8.48	84.8%	6.85 - 13.2
1,2-dichloroethane	ug/L	EPA8260	08-11-99	10.0	8.60	86.0%	7.45 - 12.6
1,1-dichloroethene	ug/L	EPA8260	08-11-99	10.0	8.94	89.4%	6.31 - 13.0
cis-1,2-dichloroethene	ug/L	EPA8260	08-11-99	10.0	8.00	80.0%	7.80 - 11.9
t-1,2-dichloroethene	ug/L	EPA8260	08-11-99	10.0	8.00	80.0%	6.47 - 13.0
1,2-dichloroethene	ug/L	EPA8260	08-11-99	20.0	16.0	80.0%	14.4 - 25.1
1,2-dichloropropane	ug/L	EPA8260	08-11-99	10.0	8.03	80.3%	7.48 - 12.2
1,3-dichloropropane	ug/L	EPA8260	08-11-99	10.0	8.40	84.0%	8.24 - 11.6
2,2-dichloropropane	ug/L	EPA8260	08-11-99	10.0	7.41	74.1%	2.84 - 13.5
1,1-dichloropropene	ug/L	EPA8260	08-11-99	10.0	7.36	73.6%	7.25 - 11.7
cis-1,3-dichloropropene	ug/L	EPA8260	08-11-99	10.0	7.64	76.4%	7.14 - 11.9
trans-1,3,-dichloropropene	ug/L	EPA8260	08-11-99	10.0	6.54	65.4%	6.90 - 12.2
Ethylbenzene	ug/L	EPA8260	08-11-99	10.0	7.90	79.0%	7.26 - 12.7
Hexachlorobutadiene	ug/L	EPA8260	08-11-99	10.0	8.29	82.9%	7.17 - 12.7
2-Hexanone	ug/L	EPA8260	08-11-99	10.0	7.30	73.0%	5.60 - 13.9
Isopropylbenzene	ug/L	EPA8260	08-11-99	10.0	8.22	82.2%	6.72 - 13.7
4-isopropyltoluene	ug/L	EPA8260	08-11-99	10.0	8.18	81.8%	7.64 - 11.9
Methylene chloride	ug/L	EPA8260	08-11-99	10.0	8.31	83.1%	6.55 - 14.1
Methyl-tert-butylether	ug/L	EPA8260	08-11-99	10.0	8.49	84.9%	4.46 - 14.7
2-butanone	ug/L	EPA8260	08-11-99	100	9.42	9.42%	41.9 - 160
Methyl_iodide	ug/L	EPA8260	08-11-99	10.0	8.10	81.0%	6.00 - 16.2
4-methyl-2-pentanone	ug/L	EPA8260	08-11-99	10.0	6.72	67.2%	4.08 - 13.2
Naphthalene	ug/L	EPA8260	08-11-99	10.0	6.80	68.0%	3.41 - 14.9
Propylbenzene	ug/L	EPA8260	08-11-99	10.0	8.12	81.2%	7.15 - 12.3
Styrene	ug/L	EPA8260	08-11-99	10.0	12.9	129%	7.39 - 13.2
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-11-99	10.0	8.12	81.2%	7.82 - 11.9
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-11-99	10.0	8.09	80.9%	6.26 - 12.7
Tetrachloroethene	ug/L	EPA8260	08-11-99	20.0	15.6	78.0%	11.2 - 28.0
Toluene	ug/L	EPA8260	08-11-99	10.0	8.16	81.6%	6.89 - 13.3



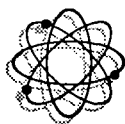
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
1,2,3-trichlorobenzene	ug/L	EPA8260	08-11-99	10.0	6.40	64.0%	5.43 - 13.4
1,2,4-trichlorobenzene	ug/L	EPA8260	08-11-99	10.0	6.46	64.6%	5.30 - 13.1
1,1,1-trichloroethane	ug/L	EPA8260	08-11-99	10.0	8.35	83.5%	7.58 - 12.4
1,1,2-trichloroethane	ug/L	EPA8260	08-11-99	10.0	8.21	82.1%	8.34 - 11.6
Trichloroethene	ug/L	EPA8260	08-11-99	10.0	9.60	96.0%	6.43 - 14.8
Trichlorofluoromethane	ug/L	EPA8260	08-11-99	10.0	8.36	83.6%	1.58 - 15.6
1,2,3-trichloropropane	ug/L	EPA8260	08-11-99	10.0	8.46	84.6%	6.39 - 13.5
1,2,4-trimethylbenzene	ug/L	EPA8260	08-11-99	10.0	8.16	81.6%	7.51 - 12.3
1,3,5-trimethylbenzene	ug/L	EPA8260	08-11-99	10.0	8.29	82.9%	7.31 - 12.3
Vinyl acetate	ug/L	EPA8260	08-11-99	10.0	9.36	93.6%	2.80 - 16.5
Vinyl chloride	ug/L	EPA8260	08-11-99	10.0	8.07	80.7%	5.42 - 14.0
Xylene	ug/L	EPA8260	08-11-99	30.0	23.7	79.0%	21.1 - 38.9



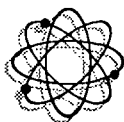
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Silver QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-140AS 9AFS30Z2192 14-140AS	827 909 827	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-03-98 04-19-99 11-03-98	05-03-99 12-31-99 05-03-99	2.53	±2.00	0.935	0.078	1.10	0.309
Arsenic QCCS Matrix Spike	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1195	LSM	04-19-99	12-31-99	6.53	>1.66	0.994	0.057	0.963	0.030
Barium QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	827 909 827	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-05-98 04-19-99 11-05-98	11-05-99 12-31-99 11-05-99						
Beryllium QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	826 909 826	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-05-98 04-19-99 11-05-98	11-05-99 12-31-99 11-05-99						
Cadmium QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	826 909 826	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-05-98 04-19-99 11-05-98	11-05-99 12-31-99 11-05-99						
Cobalt QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	826 909 826	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-05-98 04-19-99 11-05-98	11-05-99 12-31-99 11-05-99						
Chromium QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	826 909 826	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-05-98 04-19-99 11-05-98	11-05-99 12-31-99 11-05-99						
Copper QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	826 909 826	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-05-98 04-19-99 11-05-98	11-05-99 12-31-99 11-05-99						
Nickel QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	826 909 826	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-03-98 04-19-99 11-03-98	05-03-99 12-31-99 05-03-99						
Lead QCCS Matrix Spike	Fisher QCD Analysts Fisher	14-137AS 9AFS30Z2192 14-137AS	826 909 826	EV LSM EV	11-03-98 04-19-99 11-03-98	08-31-99 12-31-99 08-31-99	994 1195 994	EV LSM EV	11-05-98 04-19-99 11-05-98	11-05-99 12-31-99 11-05-99						
Antimony QCCS	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-05-98	11-05-99						



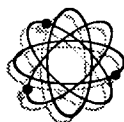
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-05-98	11-05-99						
Selenium	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-05-98	11-05-99						
QCCS	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1195	LSM	04-19-99	12-31-99						
Matrix Spike	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-05-98	11-05-99						
Thallium	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-03-98	08-31-99						
QCCS	QCD Analysts	9AFS30Z2192	909	LSM	04-19-99	12-31-99	1195	LSM	04-19-99	12-31-99						
Matrix Spike	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-03-98	08-31-99						
Vanadium	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-03-98	05-03-99			1.01	0.149	0.995	0.020
QCCS	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-03-98	05-03-99			1.01	0.149	0.995	0.020
Matrix Spike	Fisher	14-137AS	826	EV	11-03-98	08-31-99	994	EV	11-03-98	05-03-99			1.01	0.149	0.995	0.020
Acetone	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.84	±1.97	0.978	0.089	1.19	0.376
QCCS	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.84	±1.97	0.978	0.089	1.19	0.376
Matrix Spike	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.84	±1.97	0.978	0.089	1.19	0.376
Benzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	6.13	>1.68	0.976	0.052	1.02	0.039
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	6.13	>1.68	0.976	0.052	1.02	0.039
Bromobenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	6.65	>1.68	1.02	0.049	1.07	0.024
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	6.65	>1.68	1.02	0.049	1.07	0.024
Bromochloromethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.05	0.103	1.03	0.005
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.05	0.103	1.03	0.005
Bromodichloromethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.947	0.054	0.981	0.005
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.947	0.054	0.981	0.005
Bromoform	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.70	>1.76	1.02	0.061	1.07	0.043
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.70	>1.76	1.02	0.061	1.07	0.043
Bromomethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			0.974	0.035	1.17	0.045
Matrix Spike	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			0.974	0.035	1.17	0.045
n-butylbenzene	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.53	>1.68	1.03	0.054	1.02	0.024
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.53	>1.68	1.03	0.054	1.02	0.024



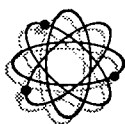
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
					Standard					Lot						
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.53	>1.68	1.03	0.054	1.02	0.024
sec-butylbenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.994	0.047	1.00	
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.994	0.047	1.00	
tert-butylbenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	3.47	>1.68	1.04	0.054	1.15	0.065
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	3.47	>1.68	1.04	0.054	1.15	0.065
Carbon disulfide	EMS	A8060237	766	CLS	07-01-98	10-22-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	6.88	>1.68	1.00	0.056	1.02	0.031
Matrix Spike	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	6.88	>1.68	1.00	0.056	1.02	0.031
Carbon tetrachloride	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.57	>1.76	0.995	0.074	1.03	0.026
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.57	>1.76	0.995	0.074	1.03	0.026
Chlorobenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.44	>1.75	1.00	0.052	1.01	0.027
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.44	>1.75	1.00	0.052	1.01	0.027
Chloroethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.76	>1.76	0.993	0.074	1.01	0.053
Matrix Spike	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.76	>1.76	0.993	0.074	1.01	0.053
Chloroform	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.79	>1.76	0.966	0.053	1.03	0.036
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.79	>1.76	0.966	0.053	1.03	0.036
Chloromethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	5.23	>1.68	0.954	0.079	0.944	0.034
Matrix Spike	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	5.23	>1.68	0.954	0.079	0.944	0.034
2-chlorotoluene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.02	0.056	1.07	0.003
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.02	0.056	1.07	0.003
4-chlorotoluene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.92	>1.68	1.01	0.054	1.01	0.033
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.92	>1.68	1.01	0.054	1.01	0.033
Dibromochloromethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	5.11	>1.76	0.973	0.063	1.01	0.029



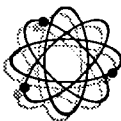
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	5.11	>1.76	0.973	0.063	1.01	0.029
1,2-dibromo-3-chloropropane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.989	0.103	0.975	0.025
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.989	0.103	0.975	0.025
1,2-dibromoethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.77	>1.69	1.03	0.062	0.964	0.036
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.77	>1.69	1.03	0.062	0.964	0.036
Dibromomethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	2.66	>1.69	1.07	0.118	1.02	0.020
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	2.66	>1.69	1.07	0.118	1.02	0.020
o-dichlorobenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.33	>1.75	1.03	0.068	1.07	0.059
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.33	>1.75	1.03	0.068	1.07	0.059
m-dichlorobenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.00	0.059	1.09	0.047
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.00	0.059	1.09	0.047
Dichlorodifluoromethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	5.20	>1.68	1.01	0.082	1.01	0.039
Matrix Spike	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	5.20	>1.68	1.01	0.082	1.01	0.039
1,1-dichloroethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99	1.85	>1.65	0.954	0.086	1.10	0.109
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	3.00	>1.65	0.954	0.086	1.04	0.029
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	3.00	>1.65	0.954	0.086	1.04	0.029
1,2-dichloroethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	5.18	>1.65	0.978	0.083	0.986	0.023
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	5.18	>1.65	0.978	0.083	0.986	0.023
1,1-dichloroethene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99	1.77	>1.65	0.942	0.093	1.08	0.062
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.942	0.093	0.993	0.020
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.942	0.093	0.993	0.020
cis-1,2-dichloroethene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	10.8	>1.69	1.01	0.028	1.02	0.069
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	10.8	>1.69	1.01	0.028	1.02	0.069
t-1,2-dichloroethene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99						



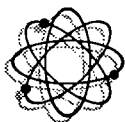
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99						
1,2-dichloroethene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	1.88	>1.68	1.05	0.210	1.03	0.053
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	1.88	>1.68	1.05	0.210	1.03	0.053
1,2-dichloropropane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.02	0.096	1.00	0.011
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.02	0.096	1.00	0.011
1,3-dichloropropane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.40	>1.69	0.996	0.097	1.00	0.013
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.40	>1.69	0.996	0.097	1.00	0.013
2,2-dichloropropane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99	5.47	±2.01	1.04	0.168	0.752	0.174
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	-1.02	±2.02	1.04	0.168	0.964	0.085
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	-1.02	±2.02	1.04	0.168	0.964	0.085
1,1-dichloropropene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	8.47	>1.69	1.02	0.043	0.989	0.031
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	8.47	>1.69	1.02	0.043	0.989	0.031
cis-1,3-dichloropropene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.42	>1.77	0.977	0.063	1.02	0.029
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	4.42	>1.77	0.977	0.063	1.02	0.029
trans-1,3,-dichloropropene	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99						
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99						
Ethylbenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.35	>1.68	0.975	0.047	1.01	0.028
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	7.35	>1.68	0.975	0.047	1.01	0.028
Hexachlorobutadiene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99	8.93	±2.03	0.736	0.125	1.04	0.045
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	9.90	±1.98	0.736	0.125	1.03	0.131
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	9.90	±1.98	0.736	0.125	1.03	0.131
2-Hexanone	EMS	A8060237	766	CLS	07-01-98	10-22-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.27	>1.68	1.03	0.095	1.03	0.087
Matrix Spike	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.27	>1.68	1.03	0.095	1.03	0.087
Isopropylbenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	6.64	>1.68	1.02	0.045	1.08	0.031



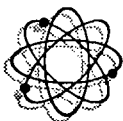
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
					Standard				Lot							
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	6.64	>1.68	1.02	0.045	1.08	0.031
4-isopropyltoluene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.01	0.040	1.01	0.003
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			1.01	0.040	1.01	0.003
Methylene chloride	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99	5.36	±2.06	1.00	0.061	1.18	0.094
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	1.97	>1.77	1.00	0.061	1.13	0.056
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	1.97	>1.77	1.00	0.061	1.13	0.056
Methyl-tert-butylether	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.74	>1.71	0.951	0.066	0.999	0.044
QCCS	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.74	>1.71	0.951	0.066	0.999	0.044
Matrix Spike	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
2-butanone	EMS	A8060237	766	CLS	07-01-98	10-22-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.19	±1.99	1.01	0.167	1.15	0.230
Matrix Spike	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.19	±1.99	1.01	0.167	1.15	0.230
Methyl iodide	EMS	A8060237	766	CLS	07-01-98	10-22-99	894	CLS	07-13-98	07-13-99	5.87	±2.00	1.00	0.051	1.17	0.157
QCCS																
Matrix Spike																
4-methyl-2-pentanone	EMS	A8060237	766	CLS	07-01-98	10-22-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			0.975	0.066	0.889	0.008
Matrix Spike	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			0.975	0.066	0.889	0.008
Naphthalene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99						
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99						
Propylbenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	5.70	>1.69	1.03	0.054	1.09	0.032
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99	5.70	>1.69	1.03	0.054	1.09	0.032
Styrene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.982	0.026	1.14	0.030
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	01-30-99	895	CLS	07-13-98	07-13-99			0.982	0.026	1.14	0.030
1,1,2,2-tetrachloroethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	2.93	>1.68	0.996	0.110	1.05	0.031
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	2.93	>1.68	0.996	0.110	1.05	0.031
Tetrachloroethene	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.10	>1.76	0.949	0.045	0.986	0.104



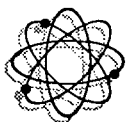
FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: Resource Recovery
P.O. Number: 110911
Date Sampled: 5-Aug-99
Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Received	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	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.10	>1.76	0.949	0.045	0.986	0.104
Toluene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	5.71	>1.68	0.986	0.067	1.01	0.032
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	5.71	>1.68	0.986	0.067	1.01	0.032
1,2,3-trichlorobenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99	12.2	±2.01	1.02	0.064	0.723	0.107
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	7.83	±1.99	1.02	0.064	0.847	0.125
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	7.83	±1.99	1.02	0.064	0.847	0.125
1,2,4-trichlorobenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.06	>1.70	0.748	0.113	0.784	0.057
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.06	>1.70	0.748	0.113	0.784	0.057
1,1,1-trichloroethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.92	>1.65	0.979	0.079	1.01	0.037
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	4.92	>1.65	0.979	0.079	1.01	0.037
1,1,2-trichloroethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			0.992	0.418	0.975	0.009
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			0.992	0.418	0.975	0.009
Trichloroethene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.63	±1.98	0.974	0.056	1.14	0.153
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99	3.63	±1.98	0.974	0.056	1.14	0.153
Trichlorofluoromethane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
Matrix Spike	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
1,2,3-trichloropropane	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			1.24	1.43	1.09	0.010
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			1.24	1.43	1.09	0.010
1,2,4-trimethylbenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			1.01	0.025	1.05	0.002
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			1.01	0.025	1.05	0.002
1,3,5-trimethylbenzene	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			1.02	0.030	1.06	
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99			1.02	0.030	1.06	
Vinyl acetate	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						



FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
 Project Number: Resource Recovery
 P.O. Number: 110911
 Date Sampled: 5-Aug-99
 Lab Numbers: 10320 - 10325

Compound Name	Manufacturer Name	Manufacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
Standard							Lot									
Matrix Spike	Ultra	M-0600	769	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
Vinyl chloride	Ultra	L-0405	765	CLS	07-01-98	04-30-99	894	CLS	07-13-98	07-13-99						
QCCS	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
Matrix Spike	Ultra	M-0195	768	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
M&P-Xylene	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
QCCS	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
Matrix Spike	Ultra	L-0029	767	CLS	07-01-98	12-30-99	895	CLS	07-13-98	07-13-99						
EPA6020 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
EPA8260 Blank	Flowers Chemical Laboratorie	Valid	34	JSF	01-01-95	12-31-99	14	JSF	01-01-95	01-01-97						
Surrogate Spike1	EMS	095-017	289	FG	10-05-95	12-30-99	268	FG	10-05-95	10-05-96			1.00	0.087		
Surrogate Spike2	EMS	095-017	289	FG	10-05-95	12-30-99	268	FG	10-05-95	10-05-96			1.00	0.035		
Surrogate Spike3	EMS	095-017	289	FG	10-05-95	12-30-99	268	FG	10-05-95	10-05-96			0.982	0.055		