40S1M30035

PASCO COUNTY, FLORIDA

WACS 45799
2nd SEMI-ANNUAL LEACHATE MONITORING
CLASS III

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 III 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 two leachate tanks at the West Pasco Class III Landfill. These results are submitted for the second semester sampling period (Jul-Dec). The next sampling event for this facility is scheduled for January, 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

DEP Form # 17-522.900(2)
Form Title GROUND WATER MONITORING REPORT
Effective Date
DEP Application No.

Florida Department of Environmental Protection

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

GROUND WATER MONITORING REPORT

Rule 17-522.600(11)

PART I GENERAL INFORMATION

(1) Facility Name HAYS ROAD CLASS III LANDFILL

Address

City Zip

Telephone Number ( )

(2) The GMS Identification Number 4051M30035

(3) DEP Permit Number 5051-182279

(4) Authorized Representative Name CANDIA E. MULHERN

Address 8864 GOVERNMENT DRIVE

City NEW PORT RICHEY, FLORIDA Zip 34654

Telephone Number (813) 847-8902

(5) Type of Discharge Unknown

(6) Method of Discharge Landfill

Certification

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

Date: Candia E. Mulhern

Signature of Owner or Authorized Representative

PART II QUALITY ASSURANCE REQUIREMENTS

Sample Organization Comp QAP # 870167

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

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

Lab Name PASCO COUNTY ENVIRONMENTAL LABORATORY

Address 8864 GOVERNMENT DRIVE NEW PORT RICHEY, FL 34654

Phone Number (813) 847-8902

RECEIVED
OCT - 1 1999
Solid Waste Section

PART III ANALYTICAL RESULTS (<CTRL-ALT-A>)

Facility GMS #: 4051M30035 Sampling Date/Time: 08/04/99 @ 1020

Test Site ID #: NA Report Period: 1999 / Quarter III (year/quarter)

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

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

Groundwater Elevation (NGVD): W2507

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F	08/04/99 1530	<0.11	mg/L	0.11	mg/L
000940	Chloride	"	"	SM 4500Cl-B	08/09/99 1100	49.3	mg/L	0.15	mg/L
000400	pH-Field	"	"	SM 4500H+B	08/04/99 1020	6.64	Std. Units	0.01	Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	08/11/99 1100	600	mg/L	1	mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	08/04/99 1020	0.30	mg/L	0.01	mg/L
000410	Bicarbonate	"	"	SM 2320B	08/09/99 1530	311	mg/L	1	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	08/04/99 1020	1,124	µmhos/cm	0.00	µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	08/04/99 1020	28.10	°C	0	°C
000610	Ammonia	"	"	SM 4500NH_3B	08/12/99 1100	3.88	mg/L	0.03	mg/L
900216	Color	"	"	SM 2120B	08/04/99 1600	50	PCU	0.0	PCU
001045	Iron	"	"	SM 3113B	09/01/99 1000	0.19	mg/L	0.001	mg/L
000929	Sodium	"	"	SM 3111B	09/01/99 1035	20.8	mg/L	0.01	mg/L
071900	Mercury	"	"	SM 3112B	08/31/99 1210	<0.0002	mg/L	0.0002	mg/L
000612	NH_4-N	"	"	DEP SOP 10/03/83	09/07/99 1400	0.169	mg/L	0.02	mg/L

*Attach Laboratory Reports

mo/s091401(1)

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

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1020
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-1
FCL Sample ID: 10275

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.000900 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.0235 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.0300 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	0.0000611 mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	08-11-99 1122	0.000297 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.014V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.00448 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	0.00255 mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.000644 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	0.00177 mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	0.000242 mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.00163 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.0102 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-10-99 0634	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-10-99 0634	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L

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Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1020
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-1
FCL Sample ID: 10275

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butlybenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-10-99 0634	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-10-99 0634	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-10-99 0634	<2U ug/L	2 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-10-99 0634	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-10-99 0634	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-10-99 0634	<3U ug/L	3 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.
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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1020
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-1
FCL Sample ID: 10275

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-10-99 0634	1.04 ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-10-99 0634	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-10-99 0634	3.33 ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-10-99 0634	<10U ug/L	10 ug/L
077424	Methyl_iodide	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-10-99 0634	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-10-99 0634	<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#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1020
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-1
FCL Sample ID: 10275

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-10-99 0634	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-10-99 0634	<0.5U ug/L	0.5 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 08/04/99 @ 1040

Test Site ID #: NA

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

Well Name: Tank #2

Well Purged (Y/N): YES

Classification of Groundwater: NA

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

Groundwater Elevation (NGVD): _____ W2508

or (MSL): _____

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units		Detection Limits/Units	
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO_3F	08/04/99 1530	2.08	mg/L	0.11	mg/L
000940	Chloride	"	"	SM 4500Cl-B	08/09/99 1100	8.34	mg/L	0.15	mg/L
000400	pH-Field	"	"	SM 4500H+B	08/04/99 1040	6.85	Std. Units	0.01	Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	08/11/99 1100	168	mg/L	1	mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	08/04/99 1040	3.50	mg/L	0.01	mg/L
000410	Bicarbonate	"	"	SM 2320B	08/09/99 1530	101	mg/L	1	mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	08/04/99 1040	208	µmhos/cm	0.00	µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	08/04/99 1040	29.00	°C	0	°C
000610	Ammonia	"	"	SM 4500NH_3B	08/12/99 1100	0.21	mg/L	0.03	mg/L
900216	Color	"	"	SM 2120B	08/04/99 1600	160	PCU	0.0	PCU
001045	Iron	"	"	SM 3113B	09/01/99 1000	0.22	mg/L	0.001	mg/L
000929	Sodium	"	"	SM 3111B	09/01/99 1035	3.67	mg/L	0.01	mg/L
071900	Mercury	"	"	SM 3112B	08/31/99 1210	<0.0002	mg/L	0.0002	mg/L
000612	NH_4-N	"	"	DEP SOP 10/03/83	09/07/99 1400	<0.02	mg/L	0.02	mg/L

*Attach Laboratory Reports

mo/s091401(2)

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

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1040
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-2
FCL Sample ID: 10276

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.000811 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.00128 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.00331 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	0.000121 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.00523V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.00543 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	0.00126 mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.00109 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	0.00186 mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	<0.0001U mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.00173 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.0192 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-10-99 0711	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-10-99 0711	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.
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Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1040
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-2
FCL Sample ID: 10276

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butlybenzene	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-10-99 0711	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-10-99 0711	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-10-99 0711	<2U ug/L	2 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-10-99 0711	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-10-99 0711	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-10-99 0711	<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#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1040
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-2
FCL Sample ID: 10276

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units		Detection Limits/Units	
077168	1,1-dichloropropene	G	N	EPA8260	08-10-99 0711	<0.5U	ug/L	0.5	ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034371	Ethylbenzene	G	N	EPA8260	08-10-99 0711	<0.5U	ug/L	0.5	ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
077103	2-Hexanone	G	N	EPA8260	08-10-99 0711	<10U	ug/L	10	ug/L
034396	Hexachloroethane	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034423	Methylene chloride	G	N	EPA8260	08-10-99 0711	2.76	ug/L	1	ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
081595	2-butanone	G	N	EPA8260	08-10-99 0711	<10U	ug/L	10	ug/L
077424	Methyl_iodide	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-10-99 0711	<10U	ug/L	10	ug/L
034696	Naphthalene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
077224	Propylbenzene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
077128	Styrene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034010	Toluene	G	N	EPA8260	08-10-99 0711	<0.5U	ug/L	0.5	ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
039180	Trichloroethene	G	N	EPA8260	08-10-99 0711	<1U	ug/L	1	ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-10-99 0711	<2U	ug/L	2	ug/L

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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1040
Report Period: _____

Well Name: West Pasco Class-III Landfill Tank-2
FCL Sample ID: 10276

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-10-99 0711	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-10-99 0711	<0.5U ug/L	0.5 ug/L

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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1015
Report Period: _____

Well Name: West Pasco Class-III Landfill Equipment Blank
FCL Sample ID: 10277

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	08-11-99 1122	0.00150 mg/L	0.00005 mg/L
01002	Arsenic	G	N	EPA6020	08-11-99 1122	0.000145 mg/L	0.00005 mg/L
01007	Barium	G	N	EPA6020	08-11-99 1122	0.00756 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	0.000340 mg/L	0.00005 mg/L
01037	Cobalt	G	N	EPA6020	08-11-99 1122	0.000107 mg/L	0.0001 mg/L
01034	Chromium	G	N	EPA6020	08-11-99 1122	0.0041V mg/L	0.0002 mg/L
01042	Copper	G	N	EPA6020	08-11-99 1122	0.00789 mg/L	0.0002 mg/L
01067	Nickel	G	N	EPA6020	08-11-99 1122	0.000288 mg/L	0.0002 mg/L
01051	Lead	G	N	EPA6020	08-11-99 1122	0.00238 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	0.000822 mg/L	0.0003 mg/L
01059	Thallium	G	N	EPA6020	08-11-99 1122	<0.0001U mg/L	0.0001 mg/L
01087	Vanadium	G	N	EPA6020	08-11-99 1122	0.000722 mg/L	0.00006 mg/L
01092	Zinc	G	N	EPA6020	08-11-99 1122	0.0416 mg/L	0.0007 mg/L
081552	Acetone	G	N	EPA8260	08-10-99 0749	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-10-99 0749	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L

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Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1015
Report Period: _____

Well Name: West Pasco Class-III Landfill Equipment Blank
FCL Sample ID: 10277

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butlybenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-10-99 0749	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-10-99 0749	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-10-99 0749	<2U ug/L	2 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-10-99 0749	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-10-99 0749	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-10-99 0749	<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#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1015
Report Period: _____

Well Name: West Pasco Class-III Landfill Equipment Blank
FCL Sample ID: 10277

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-10-99 0749	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-10-99 0749	<10U ug/L	10 ug/L
077424	Methyl_iodide	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-10-99 0749	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-10-99 0749	0.53 ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-10-99 0749	<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#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: 1015
Report Period: _____

Well Name: West Pasco Class-III Landfill Equipment Blank
FCL Sample ID: 10277

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077443	1,2,3-trichloropropane	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-10-99 0749	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-10-99 0749	<0.5U ug/L	0.5 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.
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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: _____
Report Period: _____

Well Name: West Pasco Class-III Landfill Trip Blank
FCL Sample ID: 10278

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	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	08-10-99 0827	<10U ug/L	10 ug/L
034215	Acrylonitrile	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034030	Benzene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
081555	Bromobenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
032101	Bromodichloromethan	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	08-10-99 0827	<5U ug/L	5 ug/L
077342	n-butylbenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L

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Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99

Sample Time: _____

Report Period: _____

Well Name: West Pasco Class-III Landfill Trip Blank

FCL Sample ID: 10278

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077353	tert-butlybenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	08-10-99 0827	<5U ug/L	5 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
034311	Chloroethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	08-10-99 0827	<5U ug/L	5 ug/L
077725	2-chlorotoluene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
077277	4-chlorotoluene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
081521	Dibromochloromethan	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chlorop	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
034668	Dichlorodifluorometha	G	N	EPA8260	08-10-99 0827	<2U ug/L	2 ug/L
073547	t-1,4-dichloro-2-buten	G	N	EPA8260	08-10-99 0827	<10U ug/L	10 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	08-10-99 0827	<2U ug/L	2 ug/L
034531	1,2-dichloroethene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	08-10-99 0827	<3U ug/L	3 ug/L

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(407) 339-5984

Facility GMS#: _____

Test Site ID#: _____

Sample Date: 08-04-99
Sample Time: _____
Report Period: _____

Well Name: West Pasco Class-III Landfill Trip Blank
FCL Sample ID: 10278

Well Purged (Y/N): _____

Clasification of Groundwater: G-II

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

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077168	1,1-dichloropropene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
034704	cis-1,3-dichloroproper	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034699	trans-1,3,-dichloropro	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	08-10-99 0827	<10U ug/L	10 ug/L
034396	Hexachloroethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	08-10-99 0827	4.77 ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	08-10-99 0827	<10U ug/L	10 ug/L
077424	Methyl_iodide	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
081596	4-methlyl-2-pentanone	G	N	EPA8260	08-10-99 0827	<10U ug/L	10 ug/L
034696	Naphthalene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroetha	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroetha	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
077613	1,2,3-trichlorobenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
034488	Trichlorofluoromethan	G	N	EPA8260	08-10-99 0827	<2U ug/L	2 ug/L

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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	08-10-99 0827	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzen	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzen	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	08-10-99 0827	<1U ug/L	1 ug/L
039175	Vinyl chloride	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L
081551	Xylene	G	N	EPA8260	08-10-99 0827	<0.5U ug/L	0.5 ug/L

PASCO COUNTY, FLORIDA

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

DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: WP CL-III LEACH
DATE: 09/08/99

SAMPLE NUMBER- 82338 SAMPLE ID- TANK-1 SAMPLE MATRIX- LE
DATE SAMPLED- 08/04/99 TIME SAMPLED- 1020
DATE RECEIVED- 08/04/99 SAMPLER- CHRIS CHILDRESS RECEIVED BY- MAS
TIME RECEIVED- 1350 DELIVERED BY- CHRIS CHILDRESS TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/04/99	1020	CSC	6.64	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/04/99	1020	CSC	28.10	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/04/99	1020	CSC	1124	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/04/99	1020	CSC	0.30	mg/L	
COLOR BY OBSERVATION	VISUAL			08/04/99	1020	CSC	CLEAR		
ALKALINITY,BICARB.	SM2320B			08/09/99	1530	JKH	311	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	49.3	mg/L	
COLOR	SM 2120B			08/04/99	1600	JKH	50	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	3.88	mg/L	
UN-IONIZED AMMONIA N	DEP SOP			09/07/99	1400	CEM	0.169	mg/L	
NITRATE	SM4500NO3F			08/04/99	1530	IF	<0.11	mg/L	
TOTAL DISS.SOLIDS	SM2540C			08/11/99	1100	JKH	600	mg/L	
IRON,TOTAL	SM3113B	08/23/99	TER	09/01/99	1000	TER	0.19	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	20.8	mg/L	

LABORATORY DIRECTOR Carolin E. Mulkey

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DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: WP CL-III LEACH
DATE: 09/08/99

SAMPLE NUMBER- 82339 SAMPLE ID- TANK-2 SAMPLE MATRIX- LE
DATE SAMPLED- 08/04/99 TIME SAMPLED- 1040
DATE RECEIVED- 08/04/99 SAMPLER- CHRIS CHILDRESS RECEIVED BY- MAS
TIME RECEIVED- 1350 DELIVERED BY- CHRIS CHILDRESS TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/04/99	1040	CSC	6.85	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/04/99	1040	CSC	29.00	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/04/99	1040	CSC	208	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/04/99	1040	CSC	3.50	mg/L	
COLOR BY OBSERVATION	VISUAL			08/04/99	1040	CSC	BROWN		
ALKALINITY,BICARB.	SM2320B			08/09/99	1530	JKH	101	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	8.34	mg/L	
COLOR	SM 2120B			08/04/99	1600	JKH	160	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	0.21	mg/L	
UN-IONIZED AMMONIA N	DEP SOP			09/07/99	1400	CEM	<0.02	mg/L	
NITRATE	SM4500NO3F			08/04/99	1530	IF	2.08	mg/L	
TOTAL DISS.SOLIDS	SM2540C			08/11/99	1100	JKH	168	mg/L	
IRON,TOTAL	SM3113B	08/23/99	TER	09/01/99	1000	TER	0.22	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	3.67	mg/L	

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DHRS # 44237, E44123
CompQAP # 870167G

REPORT OF ANALYSES

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

PROJECT NAME: WP CL-III LEACH
DATE: 09/08/99

SAMPLE NUMBER- 82337 SAMPLE ID- EQ. BLANK SAMPLE MATRIX- WW
DATE SAMPLED- 08/04/99 TIME SAMPLED- 1015
DATE RECEIVED- 08/04/99 SAMPLER- CHRIS CHILDRESS RECEIVED BY- MAS
TIME RECEIVED- 1350 DELIVERED BY- CHRIS CHILDRESS TYPE SAMPLE- Grab

ANALYSIS	METHOD	SAMPLE PREP DATE	BY	ANALYSIS DATE	TIME	BY	RESULT	UNITS	DQ
FIELD PH	SM4500-H+B			08/04/99	1015	CSC	5.79	STD. UNITS	
FIELD TEMPERATURE	SM2550B			08/04/99	1015	CSC	32.00	DEGREES C	
FIELD CONDUCTIVITY	SM2510B			08/04/99	1015	CSC	6	umhos/cm	
DISSOLVED OXYGEN, FIELD	SM4500-O G			08/04/99	1015	CSC	3.30	mg/L	
COLOR BY OBSERVATION	VISUAL			08/04/99	1015	CSC	CLEAR		
ALKALINITY,BICARB.	SM2320B			08/09/99	1530	JKH	<1	mg/l	
CHLORIDE	SM4500CL E			08/09/99	1100	JKH	<1	mg/L	
COLOR	SM 2120B			08/04/99	1600	JKH	5	PCU	
AMMONIA NITROGEN	SM4500NH3H			08/12/99	1100	IF	<0.03	mg/L	
UN-IONIZED AMMONIA N	DEP SOP			09/07/99	1400	CEM	<0.02	mg/L	
NITRATE	SM4500NO3F			08/04/99	1530	IF	<0.11	mg/L	
TOTAL DISS.SOLIDS	SM2540C			08/11/99	0830	JKH	2	mg/L	
IRON,TOTAL	SM3113B	08/23/99	TER	08/27/99	1040	TER	<0.02	mg/L	
MERCURY,TOTAL	SM3112B			08/31/99	1045	TER	0.0006	mg/L	
SODIUM,TOTAL	SM3111B	08/23/99	TER	08/27/99	1100	TER	<0.01	mg/L	

LABORATORY DIRECTOR Cynthia E. Mulkern

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DHRS # 44237, E44123
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QC REPORT FOR CLASS III LANDFILL 09/08/1999

QA/QC for SAMPLE Nos: 82337, 82338, 82339,
Page 1

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
ALKALINITY,BICARB.	82334					98.80	STD	100	97	97.80
SM2320B	82339	101.	102	1.0	0.99					
mg/l										
ALKALINITY,BICARB.	82334					98.80	STD	100	97.0	97.80
SM2320B	82586	7	8	1.0	13.33					
mg/l										
CHLORIDE	3429					107.00	STD	80.0	77.7	97.10
SM4500CL E	82402	14589	15002	413	2.79					
mg/L	82405	69.9	73.6	3.7	5.16					
CHLORIDE	82271	336	354	18	5.22		STD	80.0	76.0	95.10
SM4500CL E	82276	153	181	28	16.77					
mg/L	82313	336	344	8.0	2.35					
	82334					100.80				
	82342					108.00				
COLOR	82339	150	175	25	15.38					
SM 2120B										
PCU										
COLOR		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
SM 2120B										
PCU										

PASCO COUNTY, FLORIDA

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QC REPORT FOR CLASS III LANDFILL 09/08/1999

QA/QC for SAMPLE Nos: 82337, 82338, 82339.

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
AMMONIA NITROGEN SM4500NH3H mg/L	82334	--------	--------	--------	--------	95.05	NH3 STD	1.2000	1.2300	102.50
AMMONIA NITROGEN	82134	0.05	0.06	0.010	18.18	------	NH3 STD	1.2000	1.2300	102.50
SM4500NH3H	82334	--------	--------	--------	--------	95.05	----------	--------	--------	------
mg/L	82442	<0.03	<0.03	0.015	0.00	------	----------	--------	--------	------
	82584	0.49	0.54	0.050	9.71	------	----------	--------	--------	------
	82603	14.2	13.9	0.30	2.14	------	----------	--------	--------	------
UN-IONIZED AMMONIA N DEP SOP mg/L		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
UN-IONIZED AMMONIA N DEP SOP mg/L		NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS								
NITRATE SM4500NO3F mg/L	82286	--------	--------	--------	--------	96.63	NO3 STD	4.000	3.867	96.68
NITRATE	82171	5.71	5.94	0.23	3.95	------	NO3 STD	4.000	3.867	96.68
SM4500NO3F	82257	5.92	5.84	0.080	1.36	------	NO3 STD	4.000	3.862	96.55
mg/L	82286	4.55	4.64	0.090	1.96	96.63	----------	--------	--------	------
	82334	<0.11	<0.11	0.055	0.00	------	----------	--------	--------	------

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QC REPORT FOR CLASS III LANDFILL 09/08/1999

QA/QC for SAMPLE Nos: 82337, 82338, 82339,
Page 3

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
TOTAL DISS.SOLIDS SM2540C mg/L	82405	648	652	4.0	0.62	------	STD	293	299	101.30
TOTAL DISS.SOLIDS SM2540C mg/L	82447	652	668	16	2.42	------	STD	293	297	101.30
IRON,TOTAL SM3113B mg/L	82338	0.18	0.20	0.020	10.53	103.60	----------	--------	--------	------
IRON,TOTAL SM3113B mg/L	NO DUPLICATE, SPIKE, OR REFERENCE SAMPLES FOR THIS ANALYSIS									
MERCURY,TOTAL SM3112B mg/L	82405	258	241	17	6.81	96.70	----------	--------	--------	------
MERCURY,TOTAL SM3112B mg/L	82711	2.71	2.55	0.16	6.08	110.50	3429	5.00	5.36	107.20

PASCO COUNTY, FLORIDA

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QC REPORT FOR CLASS III LANDFILL 09/08/1999

QA/QC for SAMPLE Nos: 82337, 82338, 82339,
Page 4

		Precision Data				Accuracy Data	Reference Sample Data			
Analyte	LAB ID	Replicate A	Replicate B	Range	RPD %	% Spike Recovery	Reference Sample ID	Target	Found	% Recovery
SODIUM,TOTAL SM31118 mg/L	82338	4.20	4.16	0.040	0.96	101.50	----------	--------	--------	------
SODIUM,TOTAL SM31118 mg/L	82709	4.92	4.96	0.040	0.81	100.80	----------	--------	--------	------

FLOWERS CHEMICAL LABORATORIES INCORPORATED

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

Date Reported : Aug12 1999
Project Number : West Pasco Class-I
PO Number : 110911
FDHRSDW 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 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10272 4MW3A	10273 4MW8	10274 4MW9	10275 TANK1	10276 TANK2
Silver	mg/L	.00005	76.6	21.9	.00034	.00024	.00025	.00090	.00081
Arsenic	mg/L	.00005	100.	3.42	.00168	.00099	.00096	0.0235	.00128
Barium	mg/L	.00040	105.	4.07	0.0132	0.0101	.00894	0.0300	.00331
Beryllium	mg/L	.00010	133.	3.09	<.0001	<.0001	<.0001	<.0001	<.0001
Cadmium	mg/L	.00005	101.	1.94	<5e-05	.00017	<5e-05	.00006	<5e-05
Cobalt	mg/L	.00010	97.6	3.46	.00012	.00021	<.0001	.00030	.00012
Chromium	mg/L	.00020	101.	2.57	.00132	.00173	.00323	0.0140	.00523
Copper	mg/L	.00020	98.7	3.39	.00164	.00656	.00389	.00448	.00543
Nickel	mg/L	.00020	95.6	3.74	.00182	.00134	.00152	.00255	.00126
Lead	mg/L	.00010	102.	3.99	.00019	.00037	.00082	.00064	.00109
Antimony	mg/L	.00020	113.	.570	.00104	.00089	<.0002	<.0002	<.0002
Selenium	mg/L	.00030	101.	4.65	.00305	.00118	.00181	.00177	.00186
Thallium	mg/L	.00010	104.	4.33	.00043	.00018	.00016	.00024	<.0001
Vanadium	mg/L	.00006	101.	4.22	.00081	.00142	.00048	.00163	.00173
Zinc	mg/L	.00070	100.	5.43	<.0007	.00266	0.0182	0.0102	0.0192
Dilution_Factor		-	-	-	1.00	1.00	1.00	1.00	1.00
Acetone	ug/L	10.0	103.	3.37	<10.0	<10.0	<10.0	<10.0	<10.0
Acrylonitrile	ug/L	1.00			<1.00	<1.00	<1.00	<1.00	<1.00
Benzene	ug/L	0.500	100.	.980	<0.500	<0.500	<0.500	<0.500	<0.500
Bromobenzene	ug/L	1.00	101.	1.05	<1.00	<1.00	<1.00	<1.00	<1.00
Bromochloromethane	ug/L	1.00	103.	1.75	<1.00	<1.00	<1.00	<1.00	<1.00
Bromodichloromethane	ug/L	1.00	108.	.000	<1.00	<1.00	<1.00	<1.00	<1.00
Bromoform	ug/L	1.00	106.	.600	<1.00	<1.00	<1.00	<1.00	<1.00
Bromomethane	ug/L	5.00	107.	2.41	<5.00	<5.00	<5.00	<5.00	<5.00
n-butylbenzene	ug/L	1.00	102.	.060	<1.00	<1.00	<1.00	<1.00	<1.00
sec-butylbenzene	ug/L	1.00	99.8	.000	<1.00	<1.00	<1.00	<1.00	<1.00

Data Release Authorization
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Received From:
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New Port Richey,FL 34654

Date Reported : Aug12 1999
Project Number : West Pasco Class-I
PO Number : 110911
FDHRSDW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019 AUG 24 REC'D

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10277 EQBLK	10278 TRIP BLK
Silver	mg/L	.00005	76.6	21.9	.00150	-
Arsenic	mg/L	.00005	100.	3.42	.00014	-
Barium	mg/L	.00040	105.	4.07	.00756	-
Beryllium	mg/L	.00010	133.	3.09	<.0001	-
Cadmium	mg/L	.00005	101.	1.94	.00034	-
Cobalt	mg/L	.00010	97.6	3.46	.00011	-
Chromium	mg/L	.00020	101.	2.57	.00410	-
Copper	mg/L	.00020	98.7	3.39	.00789	-
Nickel	mg/L	.00020	95.6	3.74	.00029	-
Lead	mg/L	.00010	102.	3.99	.00238	-
Antimony	mg/L	.00020	113.	.570	<.0002	-
Selenium	mg/L	.00030	101.	4.65	.00082	-
Thallium	mg/L	.00010	104.	4.33	<.0001	-
Vanadium	mg/L	.00006	101.	4.22	.00072	-
Zinc	mg/L	.00070	100.	5.43	0.0416	-
Dilution_Factor		-	-	-	1.00	1.00
Acetone	ug/L	10.0	103.	3.37	<10.0	<10.0
Acrylonitrile	ug/L	1.00			<1.00	<1.00
Benzene	ug/L	0.500	100.	.980	<0.500	<0.500
Bromobenzene	ug/L	1.00	101.	1.05	<1.00	<1.00
Bromochloromethane	ug/L	1.00	103.	1.75	<1.00	<1.00
Bromodichloromethane	ug/L	1.00	108.	.000	<1.00	<1.00
Bromoform	ug/L	1.00	106.	.600	<1.00	<1.00
Bromomethane	ug/L	5.00	107.	2.41	<5.00	<5.00
n-butylbenzene	ug/L	1.00	102.	.060	<1.00	<1.00
sec-butylbenzene	ug/L	1.00	99.8	.000	<1.00	<1.00

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NCDEHNR Number : 296
SCDHEC Number : 96019

REC'D

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278
REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10272 4MW3A	10273 4MW8	10274 4MW9	10275 TANK1	10276 TANK2
tert-butlybenzene	ug/L	1.00	110.	.770	<1.00	<1.00	<1.00	<1.00	<1.00
Carbon disulfide	ug/L	5.00	92.3	.610	<5.00	<5.00	<5.00	<5.00	<5.00
Carbon tetrachloride	ug/L	1.00	96.4	4.55	<1.00	<1.00	<1.00	<1.00	<1.00
Chlorobenzene	ug/L	0.500	104.	.160	<0.500	<0.500	<0.500	<0.500	<0.500
Chloroethane	ug/L	1.00	82.5	.470	<1.00	<1.00	<1.00	<1.00	<1.00
Chloroform	ug/L	1.00	102.	1.15	<1.00	<1.00	<1.00	<1.00	<1.00
Chloromethane	ug/L	5.00	91.1	3.10	<5.00	<5.00	<5.00	<5.00	<5.00
2-chlorotoluene	ug/L	0.500	98.5	2.87	<0.500	<0.500	<0.500	<0.500	<0.500
4-chlorotoluene	ug/L	0.500	99.0	1.79	<0.500	<0.500	<0.500	<0.500	<0.500
Dibromochloromethane	ug/L	1.00	104.	1.19	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromo-3-chloro	ug/L	1.00	97.0	.400	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dibromoethane	ug/L	1.00	106.	1.41	<1.00	<1.00	<1.00	<1.00	<1.00
Dibromomethane	ug/L	1.00	101.	9.24	<1.00	<1.00	<1.00	<1.00	<1.00
o-dichlorobenzene	ug/L	0.500	100.	.840	<0.500	<0.500	<0.500	<0.500	<0.500
m-dichlorobenzene	ug/L	0.500	101.	.350	<0.500	<0.500	<0.500	<0.500	<0.500
Para-dichlorobenzene	ug/L	0.500	98.7	4.19	<0.500	<0.500	<0.500	<0.500	<0.500
Dichlorodifluorometh	ug/L	2.00	103.	.270	<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	106.	.930	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichloroethane	ug/L	1.00	104.	1.70	<1.00	<1.00	<1.00	<1.00	<1.00
1,1-dichloroethene	ug/L	1.00	109.	.640	<1.00	<1.00	<1.00	<1.00	<1.00
cis-1,2-dichloroethe	ug/L	1.00	105.	1.31	<1.00	<1.00	<1.00	<1.00	<1.00
t-1,2-dichloroethene	ug/L	2.00	99.6	2.88	<2.00	<2.00	<2.00	<2.00	<2.00
1,2-dichloroethene	ug/L	1.00	102.	2.07	<1.00	<1.00	<1.00	<1.00	<1.00
1,2-dichloropropane	ug/L	1.00	103.	2.05	<1.00	<1.00	<1.00	<1.00	<1.00
1,3-dichloropropane	ug/L	1.00	105.	1.89	<1.00	<1.00	<1.00	<1.00	<1.00

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Date Reported : Aug12 1999
Project Number : West Pasco Class-I
PO Number : 110911
FDHRSDW 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 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10277 EQBLK	10278 TRIP BLK
tert-butlybenzene	ug/L	1.00	110.	.770	<1.00	<1.00
Carbon disulfide	ug/L	5.00	92.3	.610	<5.00	<5.00
Carbon tetrachloride	ug/L	1.00	96.4	4.55	<1.00	<1.00
Chlorobenzene	ug/L	0.500	104.	.160	<0.500	<0.500
Chloroethane	ug/L	1.00	82.5	.470	<1.00	<1.00
Chloroform	ug/L	1.00	102.	1.15	<1.00	<1.00
Chloromethane	ug/L	5.00	91.1	3.10	<5.00	<5.00
2-chlorotoluene	ug/L	0.500	98.5	2.87	<0.500	<0.500
4-chlorotoluene	ug/L	0.500	99.0	1.79	<0.500	<0.500
Dibromochloromethane	ug/L	1.00	104.	1.19	<1.00	<1.00
1,2-dibromo-3-chloro	ug/L	1.00	97.0	.400	<1.00	<1.00
1,2-dibromoethane	ug/L	1.00	106.	1.41	<1.00	<1.00
Dibromomethane	ug/L	1.00	101.	9.24	<1.00	<1.00
o-dichlorobenzene	ug/L	0.500	100.	.840	<0.500	<0.500
m-dichlorobenzene	ug/L	0.500	101.	.350	<0.500	<0.500
Para-dichlorobenzene	ug/L	0.500	98.7	4.19	<0.500	<0.500
Dichlorodifluorometh	ug/L	2.00	103.	.270	<2.00	<2.00
t-1,4-dichloro-2-but	ug/L	10.0			<10.0	<10.0
1,1-dichloroethane	ug/L	1.00	106.	.930	<1.00	<1.00
1,2-dichloroethane	ug/L	1.00	104.	1.70	<1.00	<1.00
1,1-dichloroethene	ug/L	1.00	109.	.640	<1.00	<1.00
cis-1,2-dichloroethe	ug/L	1.00	105.	1.31	<1.00	<1.00
t-1,2-dichloroethene	ug/L	2.00	99.6	2.88	<2.00	<2.00
1,2-dichloroethene	ug/L	1.00	102.	2.07	<1.00	<1.00
1,2-dichloropropane	ug/L	1.00	103.	2.05	<1.00	<1.00
1,3-dichloropropane	ug/L	1.00	105.	1.89	<1.00	<1.00

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For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10272 4MW3A	10273 4MW8	10274 4MW9	10275 TANK1	10276 TANK2
2,2-dichloropropane	ug/L	3.00	102.	.550	<3.00	<3.00	<3.00	<3.00	<3.00
1,1-dichloropropene	ug/L	0.500	95.7	1.70	<0.500	<0.500	<0.500	<0.500	<0.500
cis-1,3-dichloroprop	ug/L	1.00	103.	1.68	<1.00	<1.00	<1.00	<1.00	<1.00
trans-1,3,-dichlorop	ug/L	1.00	99.9	.240	<1.00	<1.00	<1.00	<1.00	<1.00
Ethylbenzene	ug/L	0.500	104.	.170	<0.500	<0.500	<0.500	1.04	<0.500
Hexachlorobutadiene	ug/L	1.00	104.	.330	<1.00	<1.00	<1.00	<1.00	<1.00
2-Hexanone	ug/L	10.0	96.6	2.12	<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	101.	.100	<1.00	<1.00	<1.00	<1.00	<1.00
4-isopropyltoluene	ug/L	1.00	103.	.850	<1.00	<1.00	<1.00	<1.00	<1.00
Methylene chloride	ug/L	1.00	74.4	1.76	4.18	5.78	5.69	3.33	2.76
Methyl-tert-butyleth	ug/L	1.00	108.	1.68	<1.00	<1.00	<1.00	<1.00	<1.00
2-butanone	ug/L	10.0	103.	5.14	<10.0	<10.0	<10.0	<10.0	<10.0
Methyl_iodide	ug/L	1.00	102.	.130	<1.00	<1.00	<1.00	<1.00	<1.00
4-methlyl-2-pentanon	ug/L	10.0	86.6	2.65	<10.0	<10.0	<10.0	<10.0	<10.0
Naphthalene	ug/L	1.00	103.	.990	<1.00	<1.00	<1.00	<1.00	<1.00
propylbenzene	ug/L	1.00	99.2	.530	<1.00	<1.00	<1.00	<1.00	<1.00
Styrene	ug/L	1.00			<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1,2-tetrachloroe	ug/L	1.00	107.	.590	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2,2-tetrachloroe	ug/L	1.00	96.7	.470	<1.00	<1.00	<1.00	<1.00	<1.00
Tetrachloroethene	ug/L	1.00	87.0	1.56	<1.00	<1.00	<1.00	<1.00	<1.00
Toluene	ug/L	0.500	104.	.810	<0.500	<0.500	<0.500	<0.500	<0.500
1,2,3-trichlorobenze	ug/L	1.00	101.	3.02	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4-trichlorobenze	ug/L	1.00	107.	.160	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,1-trichloroethan	ug/L	1.00	103.	1.93	<1.00	<1.00	<1.00	<1.00	<1.00
1,1,2-trichloroethan	ug/L	1.00	108.	.550	<1.00	<1.00	<1.00	<1.00	<1.00

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AUG 24 REC'D

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10277 EQBLK	10278 TRIP BLK
2,2-dichloropropane	ug/L	3.00	102.	.550	<3.00	<3.00
1,1-dichloropropene	ug/L	0.500	95.7	1.70	<0.500	<0.500
cis-1,3-dichloroprop	ug/L	1.00	103.	1.68	<1.00	<1.00
trans-1,3,-dichlorop	ug/L	1.00	99.9	.240	<1.00	<1.00
Ethylbenzene	ug/L	0.500	104.	.170	<0.500	<0.500
Hexachlorobutadiene	ug/L	1.00	104.	.330	<1.00	<1.00
2-Hexanone	ug/L	10.0	96.6	2.12	<10.0	<10.0
Hexachloroethane	ug/L	1.00			<1.00	<1.00
Isopropylbenzene	ug/L	1.00	101.	.100	<1.00	<1.00
4-isopropyltoluene	ug/L	1.00	103.	.850	<1.00	<1.00
Methylene chloride	ug/L	1.00	74.4	1.76	<1.00	4.77
Methyl-tert-butyleth	ug/L	1.00	108.	1.68	<1.00	<1.00
2-butanone	ug/L	10.0	103.	5.14	<10.0	<10.0
Methyl_iodide	ug/L	1.00	102.	.130	<1.00	<1.00
4-methlyl-2-pentanon	ug/L	10.0	86.6	2.65	<10.0	<10.0
Naphthalene	ug/L	1.00	103.	.990	<1.00	<1.00
propylbenzene	ug/L	1.00	99.2	.530	<1.00	<1.00
Styrene	ug/L	1.00			<1.00	<1.00
1,1,1,2-tetrachloroe	ug/L	1.00	107.	.590	<1.00	<1.00
1,1,2,2-tetrachloroe	ug/L	1.00	96.7	.470	<1.00	<1.00
Tetrachloroethene	ug/L	1.00	87.0	1.56	<1.00	<1.00
Toluene	ug/L	0.500	104.	.810	0.530	<0.500
1,2,3-trichlorobenze	ug/L	1.00	101.	3.02	<1.00	<1.00
1,2,4-trichlorobenze	ug/L	1.00	107.	.160	<1.00	<1.00
1,1,1-trichloroethan	ug/L	1.00	103.	1.93	<1.00	<1.00
1,1,2-trichloroethan	ug/L	1.00	108.	.550	<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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President/Technical Director

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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 : West Pasco Class-I
PO Number : 110911
FDHRSDW Number : 83139
NYSDOH Number : 11595
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

AUG [illegible] RECD

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10272 4MW3A	10273 4MW8	10274 4MW9	10275 TANK1	10276 TANK2
Trichloroethene	ug/L	1.00	129.	2.33	<1.00	<1.00	<1.00	<1.00	<1.00
Trichlorofluorometha	ug/L	2.00	98.6	3.94	<2.00	<2.00	<2.00	<2.00	<2.00
1,2,3-trichloropropa	ug/L	1.00	94.1	1.62	<1.00	<1.00	<1.00	<1.00	<1.00
1,2,4-trimethylbenze	ug/L	1.00	101.	.380	<1.00	<1.00	<1.00	<1.00	<1.00
1,3,5-trimethylbenze	ug/L	1.00	100.	.490	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl acetate	ug/L	1.00	111.	.250	<1.00	<1.00	<1.00	<1.00	<1.00
Vinyl chloride	ug/L	0.500	101.	1.27	<0.500	<0.500	<0.500	<0.500	<0.500
Xylene	ug/L	0.500	103.	.750	<0.500	<0.500	<0.500	<0.500	<0.500
Surrogate_Spike1	ug/L	1.00	102.	1.80	33.1	32.2	34.6	31.1	33.5
Surrogate_Spike2	ug/L	1.00	100.	1.20	29.3	29.8	29.2	29.5	29.4
Surrogate_Spike3	ug/L	1.00	106.	1.09	25.6	25.1	26.1	26.0	25.5

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

AUG 14 RECD

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF ANALYSIS

Parameter	Unit	Method Detection Limit	%ACC	%PRC	10277 EQBLK	10278 TRIP BLK
Trichloroethene	ug/L	1.00	129.	2.33	<1.00	<1.00
Trichlorofluorometha	ug/L	2.00	98.6	3.94	<2.00	<2.00
1,2,3-trichloropropa	ug/L	1.00	94.1	1.62	<1.00	<1.00
1,2,4-trimethylbenze	ug/L	1.00	101.	.380	<1.00	<1.00
1,3,5-trimethylbenze	ug/L	1.00	100.	.490	<1.00	<1.00
Vinyl acetate	ug/L	1.00	111.	.250	<1.00	<1.00
Vinyl chloride	ug/L	0.500	101.	1.27	<0.500	<0.500
Xylene	ug/L	0.500	103.	.750	<0.500	<0.500
Surrogate_Spike1	ug/L	1.00	102.	1.80	31.2	32.2
Surrogate_Spike2	ug/L	1.00	100.	1.20	29.5	30.9
Surrogate_Spike3	ug/L	1.00	106.	1.09	25.7	26.0
- -		-	-	-	-	-

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Date Reported : Aug12 1999
Project Number : West Pasco Class-I
PO Number : 110911
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FHRS ENVNumber : E83018
FDER COMQAPNum : 86-0008G
LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

AUG 2 1 RECD

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range Correlation
				10272
Silver	mg/L	5.72	0.262	.00034
Arsenic	mg/L	18.2	0.486	.00168
Barium	mg/L	171.	4.02	0.0132
Cobalt	mg/L	13.3	1.09	.00012
Chromium	mg/L	359.	4.69	.00132
Copper	mg/L	2810	47.8	.00164
Nickel	mg/L	57.5	1.13	.00182
Lead	mg/L	5360	53.7	.00019
Antimony	mg/L	5.69	0.270	.00104
Selenium	mg/L	0.659	0.0226	.00305
Thallium	mg/L	44.6	1.12	.00043
Vanadium	mg/L	94.9	8.53	.00081
Methylene chloride	ug/L	15400	246.	4.18
Surrogate_Spike1	ug/L	56.7	45.9	33.1
Surrogate_Spike2	ug/L	-	-	29.3
Surrogate_Spike3	ug/L	63.0	46.2	25.6

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SCDHEC Number : 96019

AUG 24 RECD

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range	Correlation
				10273	
Silver	mg/L	5.72	0.262	.00024	
Arsenic	mg/L	18.2	0.486	.00099	
Barium	mg/L	171.	4.02	0.0101	
Cadmium	mg/L	76.7	0.839	.00017	
Cobalt	mg/L	13.3	1.09	.00021	
Chromium	mg/L	359.	4.69	.00173	
Copper	mg/L	2810	47.8	.00656	
Nickel	mg/L	57.5	1.13	.00134	
Lead	mg/L	5360	53.7	.00037	
Antimony	mg/L	5.69	0.270	.00089	
Selenium	mg/L	0.659	0.0226	.00118	
Thallium	mg/L	44.6	1.12	.00018	
Vanadium	mg/L	94.9	8.53	.00142	
Zinc	mg/L	12000	131.	.00266	
Methylene chloride	ug/L	15400	246.	5.78	
Surrogate_Spike1	ug/L	56.7	45.9	32.2	
Surrogate_Spike2	ug/L	-	-	29.8	
Surrogate_Spike3	ug/L	63.0	46.2	25.1	

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LDHH Number : 94-23
NCDEHNR Number : 296
SCDHEC Number : 96019

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range Correlation
				10274
Silver	mg/L	5.72	0.262	.00025
Arsenic	mg/L	18.2	0.486	.00096
Barium	mg/L	171.	4.02	.00894
Chromium	mg/L	359.	4.69	.00323
Copper	mg/L	2810	47.8	.00389
Nickel	mg/L	57.5	1.13	.00152
Lead	mg/L	5360	53.7	.00082
Selenium	mg/L	0.659	0.0226	.00181
Thallium	mg/L	44.6	1.12	.00016
Vanadium	mg/L	94.9	8.53	.00048
Zinc	mg/L	12000	131.	0.0182
Methylene chloride	ug/L	15400	246.	5.69
Surrogate_Spike1	ug/L	56.7	45.9	34.6
Surrogate_Spike2	ug/L	-	-	29.2
Surrogate_Spike3	ug/L	63.0	46.2	26.1

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NCDEHNR Number : 296
SCDHEC Number : 96019

AUG 24 RECD

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range Correlation
				10275
Silver	mg/L	5.72	0.262	.00090
Arsenic	mg/L	18.2	0.486	0.0235
Barium	mg/L	171.	4.02	0.0300
Cadmium	mg/L	76.7	0.839	.00006
Cobalt	mg/L	13.3	1.09	.00030
Chromium	mg/L	359.	4.69	0.0140
Copper	mg/L	2810	47.8	.00448
Nickel	mg/L	57.5	1.13	.00255
Lead	mg/L	5360	53.7	.00064
Selenium	mg/L	0.659	0.0226	.00177
Thallium	mg/L	44.6	1.12	.00024
Vanadium	mg/L	94.9	8.53	.00163
Zinc	mg/L	12000	131.	0.0102
Ethylbenzene	ug/L	3870	450.	1.04
Methylene chloride	ug/L	15400	246.	3.33
Surrogate_Spike1	ug/L	56.7	45.9	31.1
Surrogate_Spike2	ug/L	-	-	29.5
Surrogate_Spike3	ug/L	63.0	46.2	26.0

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AUG 24 RECD

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range Correlation
				10276
Silver	mg/L	5.72	0.262	.00081
Arsenic	mg/L	18.2	0.486	.00128
Barium	mg/L	171.	4.02	.00331
Cobalt	mg/L	13.3	1.09	.00012
Chromium	mg/L	359.	4.69	.00523
Copper	mg/L	2810	47.8	.00543
Nickel	mg/L	57.5	1.13	.00126
Lead	mg/L	5360	53.7	.00109
Selenium	mg/L	0.659	0.0226	.00186
Vanadium	mg/L	94.9	8.53	.00173
Zinc	mg/L	12000	131.	0.0192
Methylene chloride	ug/L	15400	246.	2.76
Surrogate_Spike1	ug/L	56.7	45.9	33.5
Surrogate_Spike2	ug/L	-	-	29.4
Surrogate_Spike3	ug/L	63.0	46.2	25.5

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AUG REC'D

For: Appendix I EPA8260
Date Sampled:Aug 4 1999 Date Received:Aug 5 1999 Lab Numbers: 10272-10278

REPORT OF INFORMATION

Parameter	Unit	Limit	Expected Value	Range Correlation
				10277
Silver	mg/L	5.72	0.262	.00150
Arsenic	mg/L	18.2	0.486	.00014
Barium	mg/L	171.	4.02	.00756
Cadmium	mg/L	76.7	0.839	.00034
Cobalt	mg/L	13.3	1.09	.00011
Chromium	mg/L	359.	4.69	.00410
Copper	mg/L	2810	47.8	.00789
Nickel	mg/L	57.5	1.13	.00029
Lead	mg/L	5360	53.7	.00238
Selenium	mg/L	0.659	0.0226	.00082
Vanadium	mg/L	94.9	8.53	.00072
Zinc	mg/L	12000	131.	0.0416
Toluene	ug/L	46500	6870	0.530
Surrogate_Spike1	ug/L	56.7	45.9	31.2
Surrogate_Spike2	ug/L	-	-	29.5
Surrogate_Spike3	ug/L	63.0	46.2	25.7
				10278
Methylene chloride	ug/L	15400	246.	4.77
Surrogate_Spike1	ug/L	56.7	45.9	32.2
Surrogate_Spike2	ug/L	-	-	30.9
Surrogate_Spike3	ug/L	63.0	46.2	26.0

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3609	FLOWERS CHEMICAL LABORATORIES ANALYTICAL RESULTS FORM																		
														HRS Number 83139					
			4MW3A	4MW8	4MW9	Tank-1	Tank-2	Eq Blk	Trip Blk					QA		Section			
Parameter	Symbol	Unit	10272	10273	10274	10275	10276	10277	10278				Method	MDL	%RSD	%Rec	Analys	Date
Silver	*	mg/L	0.000338	0.000241	0.000253	0.000900	0.000811	0.00150	-				EPA6020	0.00005	21.962405	76.6955	LSM	08-11-99
Arsenic	*	mg/L	0.00168	0.000989	0.000961	0.0235	0.00128	0.000145	-				EPA6020	0.00005	3.4201188	100.745	LSM	08-11-99
Barium	*	mg/L	0.0132	0.0101	0.00894	0.0300	0.00331	0.00756	-				EPA6020	0.0004	4.0799277	105.325	LSM	08-11-99
Beryllium	*	mg/L	<0.0001U	<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	0.000166	<0.00005U	0.0000611	<0.00005U	0.000340	-				EPA6020	0.00005	1.9449576	101.25	LSM	08-11-99
Cobalt	*	mg/L	0.000121	0.000208	<0.0001U	0.000297	0.000121	0.000107	-				EPA6020	0.0001	3.4613653	97.69575	LSM	08-11-99
Chromium	*	mg/L	0.00132V	0.00173V	0.00323V	0.014V	0.00523V	0.0041V	-				EPA6020	0.0002	2.5713000	101.155	LSM	08-11-99
Copper	*	mg/L	0.00164	0.00656	0.00389	0.00448	0.00543	0.00789	-				EPA6020	0.0002	3.3993178	98.7625	LSM	08-11-99
Nickel	*	mg/L	0.00182	0.00134	0.00152	0.00255	0.00126	0.000288	-				EPA6020	0.0002	3.7458444	95.6825	LSM	08-11-99
Lead	*	mg/L	0.000188	0.000372	0.000822	0.000644	0.00109	0.00238	-				EPA6020	0.0001	3.9986110	102.6655	LSM	08-11-99
Antimony	*	mg/L	0.00104	0.000889	<0.0002U	<0.0002U	<0.0002U	<0.0002U	-				EPA6020	0.0002	0.5790332	113.78	LSM	08-11-99
Selenium	*	mg/L	0.00305	0.00118	0.00181	0.00177	0.00186	0.000822	-				EPA6020	0.0003	4.6518324	101.1275	LSM	08-11-99
Thallium	*	mg/L	0.000427	0.000183	0.000163	0.000242	<0.0001U	<0.0001U	-				EPA6020	0.0001	4.3370060	104.308	LSM	08-11-99
Vanadium	*	mg/L	0.000811	0.00142	0.000477	0.00163	0.00173	0.000722	-				EPA6020	0.00006	4.2241324	101.885	LSM	08-11-99
Zinc	*	mg/L	<0.0007U	0.00266	0.0182	0.0102	0.0192	0.0416	-				EPA6020	0.0007	5.4319534	100.75	LSM	08-11-99
Dilution Factor	*	#	1	1	1	1	1	1	1				EPA5030	1			CLS	08-09-99
Acetone	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U	<10U				EPA8260	10	3.37	103	CLS	08-09-99
Acrylonitrile	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1			CLS	08-09-99
Benzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	0.986	100	CLS	08-09-99
Bromobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.05	101	CLS	08-09-99
Bromochloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.75	103	CLS	08-09-99
Bromodichloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0	108	CLS	08-09-99
Bromoform	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.601	106	CLS	08-09-99
Bromomethane	*	ug/L	<5U	<5U	<5U	<5U	<5U	<5U	<5U				EPA8260	5	2.41	107	CLS	08-09-99
n-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.0692	102	CLS	08-09-99
sec-butylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0	99.8	CLS	08-09-99
tert-butlybenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.772	110	CLS	08-09-99
Carbon disulfide	*	ug/L	<5U	<5U	<5U	<5U	<5U	<5U	<5U				EPA8260	5	0.613	92.3	CLS	08-09-99
Carbon tetrachloride	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	4.55	96.4	CLS	08-09-99
Chlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	0.169	104	CLS	08-09-99
Chloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.471	82.5	CLS	08-09-99
Chloroform	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.15	102	CLS	08-09-99
Chloromethane	*	ug/L	<5U	<5U	<5U	<5U	<5U	<5U	<5U				EPA8260	5	3.1	91.1	CLS	08-09-99
2-chlorotoluene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	2.87	98.5	CLS	08-09-99
4-chlorotoluene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	1.79	99	CLS	08-09-99
Dibromochloromethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.19	104	CLS	08-09-99
1,2-dibromo-3-chloroprop	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.401	97	CLS	08-09-99
1,2-dibromoethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.41	106	CLS	08-09-99
Dibromomethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	9.24	101	CLS	08-09-99
o-dichlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	0.849	100	CLS	08-09-99
m-dichlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	0.35	101	CLS	08-09-99
Para-dichlorobenzene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	4.19	98.7	CLS	08-09-99
Dichlorodifluoromethane	*	ug/L	<2U	<2U	<2U	<2U	<2U	<2U	<2U				EPA8260	2	0.275	103	CLS	08-09-99
t-1,4-dichloro-2-butene	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U	<10U				EPA8260	10			CLS	08-09-99
1,1-dichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.93	106	CLS	08-09-99
1,2-dichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.7	104	CLS	08-09-99
1,1-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.649	109	CLS	08-09-99
cis-1,2-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.31	105	CLS	08-09-99
t-1,2-dichloroethene	*	ug/L	<2U	<2U	<2U	<2U	<2U	<2U	<2U				EPA8260	2	2.88	99.6	CLS	08-09-99
1,2-dichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	2.07	102	CLS	08-09-99

1,2-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	2.05	103	CLS	08-09-99
1,3-dichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.89	105	CLS	08-09-99
2,2-dichloropropane	*	ug/L	<3U	<3U	<3U	<3U	<3U	<3U	<3U				EPA8260	3	0.553	102	CLS	08-09-99
1,1-dichloropropene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	1.7	95.7	CLS	08-09-99
cis-1,3-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.68	103	CLS	08-09-99
trans-1,3,-dichloropropene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.248	99.9	CLS	08-09-99
Ethylbenzene	*	ug/L	<0.5U	<0.5U	<0.5U	1.04	<0.5U	<0.5U	<0.5U				EPA8260	0.5	0.17	104	CLS	08-09-99
Hexachlorobutadiene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.339	104	CLS	08-09-99
2-Hexanone	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U	<10U				EPA8260	10	2.12	96.6	CLS	08-09-99
Hexachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1			CLS	08-09-99
Isopropylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.105	101	CLS	08-09-99
4-isopropyltoluene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.858	103	CLS	08-09-99
Methylene chloride	*	ug/L	4.18	5.78	5.69	3.33	2.76	<1U	4.77				EPA8260	1	1.76	74.4	CLS	08-09-99
Methyl-tert-butylether	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.68	108	CLS	08-09-99
2-butanone	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U	<10U				EPA8260	10	5.14	103	CLS	08-09-99
Methyl iodide	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.139	102	CLS	08-09-99
4-methlyl-2-pentanone	*	ug/L	<10U	<10U	<10U	<10U	<10U	<10U	<10U				EPA8260	10	2.65	86.6	CLS	08-09-99
Naphthalene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.997	103	CLS	08-09-99
Propylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.534	99.2	CLS	08-09-99
Styrene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1			CLS	08-09-99
1,1,1,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.594	107	CLS	08-09-99
1,1,2,2-tetrachloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.475	96.7	CLS	08-09-99
Tetrachloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.56	87	CLS	08-09-99
Toluene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	0.53	<0.5U				EPA8260	0.5	0.815	104	CLS	08-09-99
1,2,3-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	3.02	101	CLS	08-09-99
1,2,4-trichlorobenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.165	107	CLS	08-09-99
1,1,1-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.93	103	CLS	08-09-99
1,1,2-trichloroethane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.557	108	CLS	08-09-99
Trichloroethene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	2.33	129	CLS	08-09-99
Trichlorofluoromethane	*	ug/L	<2U	<2U	<2U	<2U	<2U	<2U	<2U				EPA8260	2	3.94	98.6	CLS	08-09-99
1,2,3-trichloropropane	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	1.62	94.1	CLS	08-09-99
1,2,4-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.385	101	CLS	08-09-99
1,3,5-trimethylbenzene	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.494	100	CLS	08-09-99
Vinyl acetate	*	ug/L	<1U	<1U	<1U	<1U	<1U	<1U	<1U				EPA8260	1	0.255	111	CLS	08-09-99
Vinyl chloride	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	1.27	101	CLS	08-09-99
Xylene	*	ug/L	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U	<0.5U				EPA8260	0.5	0.752	103	CLS	08-09-99
Surrogate_Spike1	*	ug/L	33.1J	32.15	34.6J	31.07	33.5J	31.22	32.2				EPA8260	1	1.8	102	CLS	08-09-99
Surrogate_Spike2	*	ug/L	29.26	29.81	29.24	29.52	29.39	29.48	30.89				EPA8260	1	1.2	100	CLS	08-09-99
Surrogate_Spike3	*	ug/L	25.65	25.13	26.09	25.97	25.53	25.74	26.04				EPA8260	1	1.09	106	CLS	08-09-99
-	*	-											-	-				

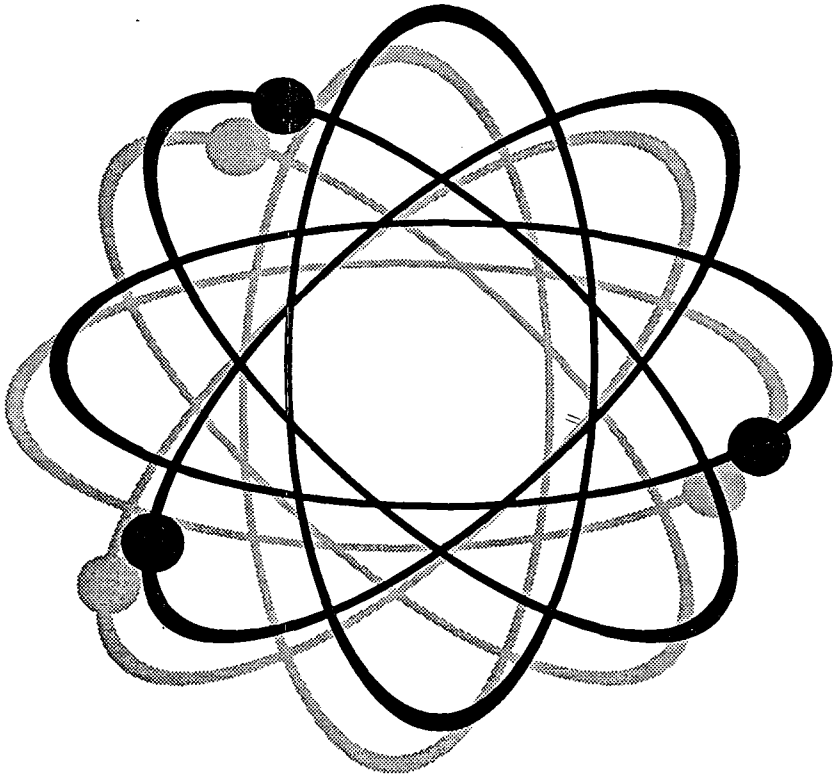
Date Received: 08-05-99 Typed: 08-12-99 Sent: 08-12-99

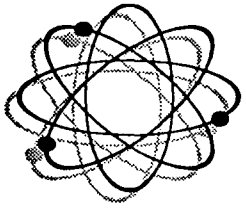
Project Number	West Pasco Class-I
PO Number	110911
Date Sampled	1 08-04-99 *
Date Analyzed	0
Compacted	1
Format	NormRR
Unit Cost	Exted
Appendix I	18500 6 *
EPA8260	16500 1 *

Quality Assurance Report

Prepared for: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
Lab Numbers: 10272 - 10278

Report date: 12-Aug-99





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QA Conformance Summary

Client:	Pasco Co. Utilities Env. Lab
Project Number:	West Pasco Class-I
P.O. Number:	110911
Date Sampled:	4-Aug-99
Lab Numbers:	10272 - 10278

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 3 samples as shown in section 1. This represents a 85.7% success rate.
Surrogate exceedences are attributed to matrix interferences.

Accuracy / Precision:

The recovery limits were exceeded for 1 compound in the matrix spike as shown in section 2. This represents a 98.8% success rate.
The recovery limits were exceeded for 1 compound in the matrix spike duplicate as shown in section 2. This represents a 98.8% 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 1 compound as shown in section 4. This represents a 98.8% 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: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Surrogate_Spike1 for EPA8260
Unit of measure: ug/L

Surrogate Expected: 30
Acceptability Limits: 18.9 - 32.6

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
10272	4MW3A	33.1J	0
10273	4MW8	32.2	107
10274	4MW9	34.6J	0
10275	Tank-1	31.1	104
10276	Tank-2	33.5J	0
10277	Eq Blk	31.2	104
10278	Trip Blk	32.2	107

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Surrogate_Spike2 for EPA8260
Unit of measure: ug/L

Surrogate Expected: 30
Acceptability Limits: 24.2 - 31.9

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
10272	4MW3A	29.3	97.5
10273	4MW8	29.8	99.4
10274	4MW9	29.2	97.5
10275	Tank-1	29.5	98.4
10276	Tank-2	29.4	98.0
10277	Eq Blk	29.5	98.3
10278	Trip Blk	30.9	103

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 1

Surrogate Compound Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Surrogate_Spike3 for EPA8260
Unit of measure: ug/L

Surrogate Expected: 30
Acceptability Limits: 15.7 - 29.9

Laboratory Number	Site Description	Surrogate Recovered	Percent Recovered
10272	4MW3A	25.7	85.5
10273	4MW8	25.1	83.8
10274	4MW9	26.1	87.0
10275	Tank-1	26.0	86.6
10276	Tank-2	25.5	85.1
10277	Eq Blk	25.7	85.8
10278	Trip Blk	26.0	86.8

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QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

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	08-09-99	200	<10	201	101%	210	105%	78.8 - 318	6.36	0 - 64.7
Benzene	ug/L	EPA8260	08-09-99	20	<0.5	20.2	101%	19.9	99.5%	13.0 - 25.0	0.212	0 - 3.81
Bromobenzene	ug/L	EPA8260	08-09-99	20	<1	20.0	100%	20.3	102%	15.0 - 23.7	0.212	0 - 2.45
Bromochloromethane	ug/L	EPA8260	08-09-99	20	<1	20.4	102%	20.9	105%	14.8 - 24.2	0.354	0 - 2.81
Bromodichloromethane	ug/L	EPA8260	08-09-99	20	<1	21.6	108%	21.6	108%	15.6 - 24.1	0.000	0 - 2.28
Bromoform	ug/L	EPA8260	08-09-99	20	<1	21.1	106%	21.3	107%	13.0 - 25.8	0.141	0 - 3.27
Bromomethane	ug/L	EPA8260	08-09-99	20	<5	21.8	109%	21.1	106%	13.7 - 26.3	0.495	0 - 4.42
n-butylbenzene	ug/L	EPA8260	08-09-99	20	<1	20.4	102%	20.5	103%	14.1 - 23.6	0.071	0 - 2.67
sec-butylbenzene	ug/L	EPA8260	08-09-99	20	<1	20.0	100%	20.0	100%	15.1 - 23.4	0.000	0 - 2.50
tert-butlybenzene	ug/L	EPA8260	08-09-99	20	<1	22.1	111%	21.9	110%	15.1 - 23.8	0.141	0 - 2.48
Carbon disulfide	ug/L	EPA8260	08-09-99	20	<5	18.5	92.5%	18.4	92.0%	8.84 - 30.7	0.071	0 - 5.81
Carbon tetrachloride	ug/L	EPA8260	08-09-99	20	<1	19.9	99.5%	18.7	93.5%	11.8 - 27.9	0.849	0 - 4.34
Chlorobenzene	ug/L	EPA8260	08-09-99	20	<0.5	20.9	105%	20.9	105%	16.5 - 23.2	0.000	0 - 1.81
Chloroethane	ug/L	EPA8260	08-09-99	20	<1	16.6	83.0%	16.5	82.5%	12.1 - 26.5	0.071	0 - 5.17
Chloroform	ug/L	EPA8260	08-09-99	20	<1	20.5	103%	20.1	101%	13.9 - 26.1	0.283	0 - 3.72
Chloromethane	ug/L	EPA8260	08-09-99	20	<5	17.8	89.0%	18.6	93.0%	10.8 - 26.0	0.566	0 - 4.26
2-chlorotoluene	ug/L	EPA8260	08-09-99	20	<0.5	20.1	101%	19.3	96.5%	14.8 - 23.9	0.566	0 - 2.51
4-chlorotoluene	ug/L	EPA8260	08-09-99	20	<0.5	19.5	97.5%	20.0	100%	14.6 - 23.6	0.354	0 - 2.23
Dibromochloromethane	ug/L	EPA8260	08-09-99	20	<1	20.9	105%	20.5	103%	15.3 - 24.3	0.283	0 - 2.54
1,2-dibromo-3-chloropropan	ug/L	EPA8260	08-09-99	20	<1	19.5	97.5%	19.4	97.0%	12.0 - 26.3	0.071	0 - 4.44

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

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	08-09-99	20	<1	20.9	105%	21.3	107%	15.4 - 24.3	0.283	0 - 2.93
Dibromomethane	ug/L	EPA8260	08-09-99	20	<1	18.9	94.5%	21.5	108%	15.9 - 23.9	1.84	0 - 2.31
o-dichlorobenzene	ug/L	EPA8260	08-09-99	20	<0.5	19.9	99.5%	20.1	101%	14.4 - 24.4	0.141	0 - 2.69
m-dichlorobenzene	ug/L	EPA8260	08-09-99	20	<0.5	20.1	101%	20.2	101%	14.5 - 24.0	0.071	0 - 2.61
Para-dichlorobenzene	ug/L	EPA8260	08-09-99	20	<0.5	19.2	96.0%	20.3	102%	14.3 - 23.9	0.778	0 - 2.65
Dichlorodifluoromethane	ug/L	EPA8260	08-09-99	20	<2	20.6	103%	20.5	103%	8.64 - 26.2	0.071	0 - 4.79
1,1-dichloroethane	ug/L	EPA8260	08-09-99	20	<1	21.4	107%	21.1	106%	13.3 - 26.4	0.212	0 - 3.91
1,2-dichloroethane	ug/L	EPA8260	08-09-99	20	<1	21.0	105%	20.5	103%	13.7 - 25.6	0.354	0 - 3.45
1,1-dichloroethene	ug/L	EPA8260	08-09-99	20	<1	21.9	110%	21.7	109%	13.2 - 25.3	0.141	0 - 3.40
cis-1,2-dichloroethene	ug/L	EPA8260	08-09-99	20	<1	21.3	107%	20.9	105%	14.4 - 24.7	0.283	0 - 2.91
t-1,2-dichloroethene	ug/L	EPA8260	08-09-99	20	<2	20.3	102%	19.5	97.5%	12.5 - 26.2	0.566	0 - 3.68
1,2-dichloroethene	ug/L	EPA8260	08-09-99	40	<1	41.6	104%	40.4	101%	27.5 - 50.7	0.849	0 - 6.16
1,2-dichloropropane	ug/L	EPA8260	08-09-99	20	<1	20.4	102%	21.0	105%	14.8 - 24.8	0.424	0 - 2.43
1,3-dichloropropane	ug/L	EPA8260	08-09-99	20	<1	21.3	107%	20.7	104%	15.4 - 24.5	0.424	0 - 2.56
2,2-dichloropropane	ug/L	EPA8260	08-09-99	20	<3	20.5	103%	20.4	102%	5.70 - 25.9	0.071	0 - 6.44
1,1-dichloropropene	ug/L	EPA8260	08-09-99	20	<0.5	19.4	97.0%	18.9	94.5%	13.7 - 23.9	0.354	0 - 2.83
cis-1,3-dichloropropene	ug/L	EPA8260	08-09-99	20	<1	20.4	102%	20.9	105%	14.9 - 23.8	0.354	0 - 2.56
trans-1,3,-dichloropropene	ug/L	EPA8260	08-09-99	20	<1	20.0	100%	20.0	100%	13.7 - 25.1	0.000	0 - 3.23
Ethylbenzene	ug/L	EPA8260	08-09-99	20	<0.5	20.9	105%	20.8	104%	15.2 - 23.3	0.071	0 - 2.47
Hexachlorobutadiene	ug/L	EPA8260	08-09-99	20	<1	20.9	105%	20.8	104%	14.9 - 23.7	0.071	0 - 2.88
2-Hexanone	ug/L	EPA8260	08-09-99	20	<10	19.0	95.0%	19.6	98.0%	10.5 - 28.3	0.424	0 - 3.99
Isopropylbenzene	ug/L	EPA8260	08-09-99	20	<1	20.1	101%	20.2	101%	13.2 - 24.6	0.071	0 - 3.18
4-isopropyltoluene	ug/L	EPA8260	08-09-99	20	<1	20.5	103%	20.7	104%	15.5 - 23.0	0.141	0 - 2.30
Methylene chloride	ug/L	EPA8260	08-09-99	20	3.58	18.2	73.1%	18.7	75.6%	15.1 - 32.5	0.354	0 - 5.34
Methyl-tert-butylether	ug/L	EPA8260	08-09-99	20	<1	21.3	107%	21.8	109%	8.84 - 27.0	0.354	0 - 4.50
2-butanone	ug/L	EPA8260	08-09-99	20	<10	21.4	107%	19.9	99.5%	7.98 - 31.0	1.06	0 - 6.61
Methyl_iodide	ug/L	EPA8260	08-09-99	20	<1	20.4	102%	20.4	102%	10.4 - 32.4	0.000	0 - 5.02
4-methlyl-2-pentanone	ug/L	EPA8260	08-09-99	20	<10	17.0	85.0%	17.7	88.5%	7.46 - 27.9	0.495	0 - 5.19
Naphthalene	ug/L	EPA8260	08-09-99	20	<1	20.4	102%	20.7	104%	12.2 - 26.9	0.212	0 - 4.54
Propylbenzene	ug/L	EPA8260	08-09-99	20	<1	19.9	99.5%	19.8	99.0%	14.8 - 23.6	0.071	0 - 2.43
Styrene	ug/L	EPA8260	08-09-99	20	<1	35.4	177%	35.9	180%	14.3 - 26.9	0.354	0 - 2.71
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-09-99	20	<1	21.4	107%	21.5	108%	15.7 - 24.1	0.071	0 - 2.61
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-09-99	20	<1	19.3	96.5%	19.4	97.0%	11.6 - 25.9	0.071	0 - 4.02
Tetrachloroethene	ug/L	EPA8260	08-09-99	40	<1	34.4	86.0%	35.2	88.0%	21.9 - 55.8	0.566	0 - 10.3
Toluene	ug/L	EPA8260	08-09-99	20	<0.5	20.7	104%	21.0	105%	14.3 - 24.0	0.212	0 - 2.90

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 2

Matrix Spike Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

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	08-09-99	20	<1	19.7	98.5%	20.6	103%	13.0 - 26.1	0.636	0 - 4.01
1,2,4-trichlorobenzene	ug/L	EPA8260	08-09-99	20	<1	21.5	108%	21.5	108%	13.2 - 25.4	0.000	0 - 3.65
1,1,1-trichloroethane	ug/L	EPA8260	08-09-99	20	<1	20.8	104%	20.3	102%	13.7 - 25.7	0.354	0 - 3.14
1,1,2-trichloroethane	ug/L	EPA8260	08-09-99	20	<1	21.5	108%	21.7	109%	15.6 - 24.3	0.141	0 - 2.53
Trichloroethene	ug/L	EPA8260	08-09-99	20	<1	25.3	127%	26.2	131%	13.2 - 28.0	0.636	0 - 3.87
Trichlorofluoromethane	ug/L	EPA8260	08-09-99	20	<2	20.3	102%	19.2	96.0%	7.40 - 28.8	0.778	0 - 4.98
1,2,3-trichloropropane	ug/L	EPA8260	08-09-99	20	<1	18.6	93.0%	19.0	95.0%	12.0 - 27.4	0.283	0 - 4.00
1,2,4-trimethylbenzene	ug/L	EPA8260	08-09-99	20	<1	20.3	102%	20.2	101%	14.1 - 24.4	0.071	0 - 3.05
1,3,5-trimethylbenzene	ug/L	EPA8260	08-09-99	20	<1	20.0	100%	20.1	101%	14.8 - 23.6	0.071	0 - 2.62
Vinyl acetate	ug/L	EPA8260	08-09-99	20	<1	22.1	111%	22.2	111%	7.20 - 30.4	0.071	0 - 7.40
Vinyl chloride	ug/L	EPA8260	08-09-99	20	<0.5	19.9	99.5%	20.3	102%	11.6 - 27.4	0.283	0 - 5.37
Xylene	ug/L	EPA8260	08-09-99	60	<0.5	61.7	103%	62.4	104%	45.5 - 70.3	0.495	0 - 6.94

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

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	08-09-99	<10
Acrylonitrile	ug/L	EPA8260	08-09-99	<1
Benzene	ug/L	EPA8260	08-09-99	<0.5
Bromobenzene	ug/L	EPA8260	08-09-99	<1
Bromochloromethane	ug/L	EPA8260	08-09-99	<1
Bromodichloromethane	ug/L	EPA8260	08-09-99	<1
Bromoform	ug/L	EPA8260	08-09-99	<1
Bromomethane	ug/L	EPA8260	08-09-99	<5
n-butylbenzene	ug/L	EPA8260	08-09-99	<1
sec-butylbenzene	ug/L	EPA8260	08-09-99	<1
tert-butlybenzene	ug/L	EPA8260	08-09-99	<1
Carbon disulfide	ug/L	EPA8260	08-09-99	<5
Carbon tetrachloride	ug/L	EPA8260	08-09-99	<1
Chlorobenzene	ug/L	EPA8260	08-09-99	<0.5

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Analyte	Unit	Method	Date	Concentration
Chloroethane	ug/L	EPA8260	08-09-99	<1
Chloroform	ug/L	EPA8260	08-09-99	<1
Chloromethane	ug/L	EPA8260	08-09-99	<5
2-chlorotoluene	ug/L	EPA8260	08-09-99	<0.5
4-chlorotoluene	ug/L	EPA8260	08-09-99	<0.5
Dibromochloromethane	ug/L	EPA8260	08-09-99	<1
1,2-dibromo-3-chloropropane	ug/L	EPA8260	08-09-99	<1
1,2-dibromoethane	ug/L	EPA8260	08-09-99	<1
Dibromomethane	ug/L	EPA8260	08-09-99	<1
o-dichlorobenzene	ug/L	EPA8260	08-09-99	<0.5
m-dichlorobenzene	ug/L	EPA8260	08-09-99	<0.5
Para-dichlorobenzene	ug/L	EPA8260	08-09-99	<0.5
Dichlorodifluoromethane	ug/L	EPA8260	08-09-99	<2
t-1,4-dichloro-2-butene	ug/L	EPA8260	08-09-99	<10
1,1-dichloroethane	ug/L	EPA8260	08-09-99	<1
1,2-dichloroethane	ug/L	EPA8260	08-09-99	<1
1,1-dichloroethene	ug/L	EPA8260	08-09-99	<1
cis-1,2-dichloroethene	ug/L	EPA8260	08-09-99	<1
t-1,2-dichloroethene	ug/L	EPA8260	08-09-99	<2
1,2-dichloroethene	ug/L	EPA8260	08-09-99	<1
1,2-dichloropropane	ug/L	EPA8260	08-09-99	<1
1,3-dichloropropane	ug/L	EPA8260	08-09-99	<1
2,2-dichloropropane	ug/L	EPA8260	08-09-99	<3
1,1-dichloropropene	ug/L	EPA8260	08-09-99	<0.5
cis-1,3-dichloropropene	ug/L	EPA8260	08-09-99	<1
trans-1,3,-dichloropropene	ug/L	EPA8260	08-09-99	<1
Ethylbenzene	ug/L	EPA8260	08-09-99	<0.5
Hexachlorobutadiene	ug/L	EPA8260	08-09-99	<1
2-Hexanone	ug/L	EPA8260	08-09-99	<10

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 3

Method Blank Report

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Analyte	Unit	Method	Date	Concentration
Hexachloroethane	ug/L	EPA8260	08-09-99	<1
Isopropylbenzene	ug/L	EPA8260	08-09-99	<1
4-isopropyltoluene	ug/L	EPA8260	08-09-99	<1
Methylene chloride	ug/L	EPA8260	08-09-99	<1
Methyl-tert-butylether	ug/L	EPA8260	08-09-99	<1
2-butanone	ug/L	EPA8260	08-09-99	<10
Methyl_iodide	ug/L	EPA8260	08-09-99	<1
4-methlyl-2-pentanone	ug/L	EPA8260	08-09-99	<10
Naphthalene	ug/L	EPA8260	08-09-99	<1
Propylbenzene	ug/L	EPA8260	08-09-99	<1
Styrene	ug/L	EPA8260	08-09-99	<1
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-09-99	<1
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-09-99	<1
Tetrachloroethene	ug/L	EPA8260	08-09-99	<1
Toluene	ug/L	EPA8260	08-09-99	<0.5
1,2,3-trichlorobenzene	ug/L	EPA8260	08-09-99	<1
1,2,4-trichlorobenzene	ug/L	EPA8260	08-09-99	<1
1,1,1-trichloroethane	ug/L	EPA8260	08-09-99	<1
1,1,2-trichloroethane	ug/L	EPA8260	08-09-99	<1
Trichloroethene	ug/L	EPA8260	08-09-99	<1
Trichlorofluoromethane	ug/L	EPA8260	08-09-99	<2
1,2,3-trichloropropane	ug/L	EPA8260	08-09-99	<1
1,2,4-trimethylbenzene	ug/L	EPA8260	08-09-99	<1
1,3,5-trimethylbenzene	ug/L	EPA8260	08-09-99	<1
Vinyl acetate	ug/L	EPA8260	08-09-99	<1
Vinyl chloride	ug/L	EPA8260	08-09-99	<0.5
Xylene	ug/L	EPA8260	08-09-99	<0.5

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

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	08-09-99	100	97.5	97.5%	40.4 - 162
Benzene	ug/L	EPA8260	08-09-99	10.0	8.77	87.7%	6.63 - 13.2
Bromobenzene	ug/L	EPA8260	08-09-99	10.0	9.33	93.3%	7.46 - 12.1
Bromochloromethane	ug/L	EPA8260	08-09-99	10.0	8.96	89.6%	7.65 - 11.7
Bromodichloromethane	ug/L	EPA8260	08-09-99	10.0	9.44	94.4%	8.04 - 11.8
Bromoform	ug/L	EPA8260	08-09-99	10.0	9.36	93.6%	6.52 - 12.8
Bromomethane	ug/L	EPA8260	08-09-99	10.0	9.66	96.6%	5.90 - 14.3
n-butylbenzene	ug/L	EPA8260	08-09-99	10.0	8.62	86.2%	7.03 - 12.1
sec-butylbenzene	ug/L	EPA8260	08-09-99	10.0	9.43	94.3%	7.45 - 12.2
tert-butlybenzene	ug/L	EPA8260	08-09-99	10.0	10.3	103%	6.93 - 13.0
Carbon disulfide	ug/L	EPA8260	08-09-99	10.0	8.72	87.2%	4.91 - 15.9
Carbon tetrachloride	ug/L	EPA8260	08-09-99	10.0	8.25	82.5%	6.38 - 13.4
Chlorobenzene	ug/L	EPA8260	08-09-99	10.0	9.27	92.7%	8.55 - 11.6
Chloroethane	ug/L	EPA8260	08-09-99	10.0	7.07	70.7%	5.31 - 14.6
Chloroform	ug/L	EPA8260	08-09-99	10.0	8.82	88.2%	7.39 - 13.2
Chloromethane	ug/L	EPA8260	08-09-99	10.0	8.23	82.3%	3.94 - 14.0
2-chlorotoluene	ug/L	EPA8260	08-09-99	10.0	9.51	95.1%	7.03 - 12.7
4-chlorotoluene	ug/L	EPA8260	08-09-99	10.0	9.44	94.4%	7.15 - 12.4
Dibromochloromethane	ug/L	EPA8260	08-09-99	10.0	8.71	87.1%	7.73 - 11.8
1,2-dibromo-3-chloropropane	ug/L	EPA8260	08-09-99	10.0	8.11	81.1%	5.92 - 12.5

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
1,2-dibromoethane	ug/L	EPA8260	08-09-99	10.0	8.87	88.7%	8.16 - 11.5
Dibromomethane	ug/L	EPA8260	08-09-99	10.0	8.80	88.0%	8.23 - 12.0
o-dichlorobenzene	ug/L	EPA8260	08-09-99	10.0	9.33	93.3%	7.84 - 12.1
m-dichlorobenzene	ug/L	EPA8260	08-09-99	10.0	9.16	91.6%	7.96 - 11.9
Para-dichlorobenzene	ug/L	EPA8260	08-09-99	10.0	8.21	82.1%	7.80 - 12.1
Dichlorodifluoromethane	ug/L	EPA8260	08-09-99	10.0	9.02	90.2%	4.22 - 13.5
1,1-dichloroethane	ug/L	EPA8260	08-09-99	10.0	9.27	92.7%	6.85 - 13.2
1,2-dichloroethane	ug/L	EPA8260	08-09-99	10.0	8.94	89.4%	7.45 - 12.6
1,1-dichloroethene	ug/L	EPA8260	08-09-99	10.0	9.72	97.2%	6.31 - 13.0
cis-1,2-dichloroethene	ug/L	EPA8260	08-09-99	10.0	8.48	84.8%	7.80 - 11.9
t-1,2-dichloroethene	ug/L	EPA8260	08-09-99	10.0	9.39	93.9%	6.47 - 13.0
1,2-dichloroethene	ug/L	EPA8260	08-09-99	20.0	17.9	89.5%	14.4 - 25.1
1,2-dichloropropane	ug/L	EPA8260	08-09-99	10.0	9.05	90.5%	7.48 - 12.2
1,3-dichloropropane	ug/L	EPA8260	08-09-99	10.0	9.09	90.9%	8.24 - 11.6
2,2-dichloropropane	ug/L	EPA8260	08-09-99	10.0	8.65	86.5%	2.84 - 13.5
1,1-dichloropropene	ug/L	EPA8260	08-09-99	10.0	8.00	80.0%	7.25 - 11.7
cis-1,3-dichloropropene	ug/L	EPA8260	08-09-99	10.0	8.42	84.2%	7.14 - 11.9
trans-1,3,-dichloropropene	ug/L	EPA8260	08-09-99	10.0	8.19	81.9%	6.90 - 12.2
Ethylbenzene	ug/L	EPA8260	08-09-99	10.0	9.09	90.9%	7.26 - 12.7
Hexachlorobutadiene	ug/L	EPA8260	08-09-99	10.0	9.47	94.7%	7.17 - 12.7
2-Hexanone	ug/L	EPA8260	08-09-99	10.0	7.60	76.0%	5.60 - 13.9
Isopropylbenzene	ug/L	EPA8260	08-09-99	10.0	9.66	96.6%	6.72 - 13.7
4-isopropyltoluene	ug/L	EPA8260	08-09-99	10.0	9.29	92.9%	7.64 - 11.9
Methylene chloride	ug/L	EPA8260	08-09-99	10.0	8.58	85.8%	6.55 - 14.1
Methyl-tert-butylether	ug/L	EPA8260	08-09-99	10.0	9.71	97.1%	4.46 - 14.7
2-butanone	ug/L	EPA8260	08-09-99	10.0	11.6	116%	4.19 - 16.0
Methyl_iodide	ug/L	EPA8260	08-09-99	10.0	9.33	93.3%	6.00 - 16.2
4-methlyl-2-pentanone	ug/L	EPA8260	08-09-99	10.0	7.02	70.2%	4.08 - 13.2
Naphthalene	ug/L	EPA8260	08-09-99	10.0	7.85	78.5%	3.41 - 14.9
Propylbenzene	ug/L	EPA8260	08-09-99	10.0	9.36	93.6%	7.15 - 12.3
Styrene	ug/L	EPA8260	08-09-99	10.0	14.6	146%	7.39 - 13.2
1,1,1,2-tetrachloroethane	ug/L	EPA8260	08-09-99	10.0	9.27	92.7%	7.82 - 11.9
1,1,2,2-tetrachloroethane	ug/L	EPA8260	08-09-99	10.0	9.13	91.3%	6.26 - 12.7
Tetrachloroethene	ug/L	EPA8260	08-09-99	20.0	15.6	78.0%	11.2 - 28.0
Toluene	ug/L	EPA8260	08-09-99	10.0	9.34	93.4%	6.89 - 13.3

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 4

QCCS Sample Recovery

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Analyte	Unit	Method	Date	QCCS Expected	QCCS Measured	Rec. %	Acceptable Limits
1,2,3-trichlorobenzene	ug/L	EPA8260	08-09-99	10.0	7.58	75.8%	5.43 - 13.4
1,2,4-trichlorobenzene	ug/L	EPA8260	08-09-99	10.0	8.46	84.6%	5.30 - 13.1
1,1,1-trichloroethane	ug/L	EPA8260	08-09-99	10.0	9.06	90.6%	7.58 - 12.4
1,1,2-trichloroethane	ug/L	EPA8260	08-09-99	10.0	9.41	94.1%	8.34 - 11.6
Trichloroethene	ug/L	EPA8260	08-09-99	10.0	11.8	118%	6.43 - 14.8
Trichlorofluoromethane	ug/L	EPA8260	08-09-99	10.0	9.14	91.4%	1.58 - 15.6
1,2,3-trichloropropane	ug/L	EPA8260	08-09-99	10.0	9.44	94.4%	6.39 - 13.5
1,2,4-trimethylbenzene	ug/L	EPA8260	08-09-99	10.0	9.45	94.5%	7.51 - 12.3
1,3,5-trimethylbenzene	ug/L	EPA8260	08-09-99	10.0	9.71	97.1%	7.31 - 12.3
Vinyl acetate	ug/L	EPA8260	08-09-99	10.0	8.54	85.4%	2.80 - 16.5
Vinyl chloride	ug/L	EPA8260	08-09-99	10.0	8.92	89.2%	5.42 - 14.0
Xylene	ug/L	EPA8260	08-09-99	30.0	27.3	91.0%	21.1 - 38.9

FLOWERS CHEMICAL LABORATORIES, INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

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

FLOWERS CHEMICAL LABORATORIES,INC.

QA Section 5

Standards Traceability

Client: Pasco Co. Utilities Env. Lab
Project Number: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Fisher	14-137AS	826	EVB	11-03-98	08-31-99	994	EVB	11-05-98	11-05-99						
Selenium	Fisher	14-137AS	826	EVB	11-03-98	08-31-99	994	EVB	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	EVB	11-03-98	08-31-99	994	EVB	11-05-98	11-05-99						
Thallium	Fisher	14-137AS	826	EVB	11-03-98	08-31-99	994	EVB	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	EVB	11-03-98	08-31-99	994	EVB	11-03-98	08-31-99						
Vanadium	Fisher	14-137AS	826	EVB	11-03-98	08-31-99	994	EVB	11-03-98	05-03-99			1.01	0.149	0.995	0.020
QCCS																
Matrix Spike	Fisher	14-137AS	826	EVB	11-03-98	08-31-99	994	EVB	11-03-98	05-03-99			1.01	0.149	0.995	0.020
Acetone																
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																
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: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	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-butlybenzene	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: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	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: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	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																
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: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Contro Mean	Contro Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	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																
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	4.74	>1.71	0.951	0.066	0.999	0.044
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-methlyl-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																
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: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	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: West Pasco Class-I
P.O. Number: 110911
Date Sampled: 4-Aug-99
Lab Numbers: 10272 - 10278

Compound Name	Manfacturer Name	Manfacturer Lot #	Rec Lot #	Rec By	Date Recieved	Valid Until	Prep Lot #	Prep By	Date Prepared	Valid Until	t-test	t-test range	Control Mean	Control Std	Lot Mean	Lot Std
			Standard				Lot									
Matrix Spike	Ultra	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																
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		