



PASCO COUNTY, FLORIDA

DADE CITY
LAND O' LAKES
NEW PORT RICHEY

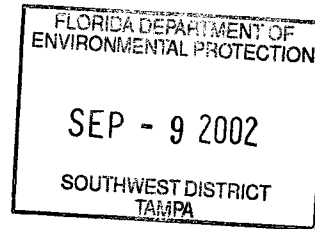
(352) 511-4274
(813) 996-7341
(813) 847-8145

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

04 September 2002

Mr. John Morris
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, 2002



Dear Mr. Morris:

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 (Jun-Dec).

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

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

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

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/23/02 @ 1320

Test Site ID #: NA

Report Period: 2002 / Quarter III
(year/quarter)

Well Name: Tank #1

Well Purged (Y/N): YES

Classification of Groundwater: NA

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

Groundwater Elevation (NGVD):

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	07/26/02 0800	<0.11 mg/L	0.11 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/29/02 1000	112 mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/23/02 1320	6.59 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/30/02 1400	1,410 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	07/23/02 1320	1.10 mg/L	0.01 mg/L
000410	Bicarbonate	"	"	SM 2320B	07/25/02 1400	267 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/23/02 1320	1,660 µmhos/cm	0.00 µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/23/02 1320	19.20 °C	0 °C
000610	Ammonia	"	"	SM 4500NH ₃ B	07/31/02 0800	1.98 mg/L	0.03 mg/L
900216	Color	"	"	SM 2120B	07/23/02 1320	Clear PCU	0.0 PCU
001045	Iron	"	"	SM 3113B	08/07/02 1050	1.51 mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B	08/07/02 1140	98.4 mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B	08/16/02 1100	<0.0005 mg/L	0.0002 mg/L

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

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

Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1320

Report Period: _____

Well Name: TANK-1

Well Purged (Y/N): _____

FCL Sample ID: 7653Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	8/7/2002 08:00	<0.001U mg/L	0.001 mg/L
01002	Arsenic	G	N	EPA6020	8/7/2002 08:00	0.0474 mg/L	0.001 mg/L
01007	Barium	G	N	EPA6020	8/7/2002 08:00	0.0357 mg/L	0.002 mg/L
01012	Beryllium	G	N	EPA6020	8/7/2002 08:00	<0.001U mg/L	0.001 mg/L
01027	Cadmium	G	N	EPA6020	8/7/2002 08:00	0.00127 mg/L	0.001 mg/L
01037	Cobalt	G	N	EPA6020	8/7/2002 08:00	0.0029 mg/L	0.001 mg/L
01034	Chromium	G	N	EPA6020	8/7/2002 08:00	0.0232 mg/L	0.001 mg/L
01042	Copper	G	N	EPA6020	8/7/2002 08:00	0.0249 mg/L	0.01 mg/L
01067	Nickel	G	N	EPA6020	8/7/2002 08:00	0.0161 mg/L	0.001 mg/L
01051	Lead	G	N	EPA6020	8/7/2002 08:00	0.00625 mg/L	0.001 mg/L
01097	Antimony	G	N	EPA6020	8/7/2002 08:00	0.00378 mg/L	0.001 mg/L
01147	Selenium	G	N	EPA6020	8/7/2002 08:00	<0.002U mg/L	0.002 mg/L
01059	Thallium	G	N	EPA6020	8/7/2002 08:00	0.00167 mg/L	0.001 mg/L
01087	Vanadium	G	N	EPA6020	8/7/2002 08:00	0.00383 mg/L	0.001 mg/L
01092	Zinc	G	N	EPA6020	8/7/2002 08:00	0.306 mg/L	0.01 mg/L
	Dilution Factor			EPA5030	7/30/2002 08:00	1	
081552	Acetone	G	N	EPA8260	7/30/2002 08:00	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	EPA8260	7/30/2002 08:00	<5U ug/L	5 ug/L
034030	Benzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L

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Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1320

Report Period: _____

Well Name: TANK-1

Well Purged (Y/N): _____

FCL Sample ID: 7653

Well Type ☐ Background

Classification of Groundwater: G-II

☐ Intermediate

☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077353	tert-butylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081521	Dibromochloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-butene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L

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(407) 339-5984

Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1320

Report Period: _____

Well Name: TANK-1

Well Purged (Y/N): _____

FCL Sample ID: 7653Well Type ☐ BackgroundClassification of Groundwater: G-II☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034704	cis-1,3-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077424	Methyl iodide	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L

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(407) 339-5984

Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1320

Report Period: _____

Well Name: TANK-1

Well Purged (Y/N): _____

FCL Sample ID: 7653

Classification of Groundwater: G-II

Well Type ☐ Background

☐ Intermediate

☐ Compliance

☐ Other

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

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	7/30/2002 08:00	4 ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	7/30/2002 08:00	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	7/30/2002 08:00	1.35 ug/L	1 ug/L

PART III ANALYTICAL RESULTS

Facility GMS #: 4051M30035

Sampling Date/Time: 07/23/02 @ 1230

Test Site ID #: NA

Report Period: 2002 / 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):

or (MSL):

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	*Analysis Results/Units	Detection Limits/Units
000620	Nitrate	Well Wiz. Ded. Mon. System	No	SM 4500NO ₃ F	07/26/02 0800	6.24 mg/L	0.11 mg/L
000940	Chloride	"	"	SM 4500Cl-B	07/29/02 1000	114 mg/L	0.15 mg/L
000400	pH-Field	"	"	SM 4500H+B	07/23/02 1230	7.34 Std. Units	0.01 Std. Units
070300	Total Dis. Solids	"	"	SM 2540C	07/24/02 1300	1,830 mg/L	1 mg/L
000344	Dissolved Oxygen	"	"	SM 4500 O G	07/23/02 1230	4.00 mg/L	0.01 mg/L
000410	Bicarbonate	"	"	SM 2320B	07/25/02 1400	997 mg/L	1 mg/L
000095	Specific Cond. (Field)	"	"	SM 2510B	07/23/02 1230	3,000 µmhos/cm	0.00 µmhos/cm
000010	Temperature (Field)	"	"	SM 2550B	07/26/02 1230	19.80 °C	0 °C
000610	Ammonia	"	"	SM 4500NH ₃ B	07/31/02 0800	2.82 mg/L	0.03 mg/L
900216	Color	"	"	SM 2120B	07/23/02 1230	Black PCU	0.0 PCU
001045	Iron	"	"	SM 3113B	08/07/02 1050	2.39 mg/L	0.001 mg/L
000929	Sodium	"	"	SM 3111B	08/07/02 1140	311 mg/L	0.01 mg/L
071900	Mercury	"	"	SM 3112B	08/16/02 1100	<0.0005 mg/L	0.0002 mg/L

*Attach Laboratory Reports

FLOWERS CHEMICAL LABORATORIES, INC.

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Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1230

Report Period: _____

Well Name: TANK-2

Well Purged (Y/N): _____

FCL Sample ID: 7654Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
01077	Silver	G	N	EPA6020	8/7/2002 08:00	<0.001U mg/L	0.001 mg/L
01002	Arsenic	G	N	EPA6020	8/7/2002 08:00	0.0147 mg/L	0.001 mg/L
01007	Barium	G	N	EPA6020	8/7/2002 08:00	0.0208 mg/L	0.002 mg/L
01012	Beryllium	G	N	EPA6020	8/7/2002 08:00	<0.001U mg/L	0.001 mg/L
01027	Cadmium	G	N	EPA6020	8/7/2002 08:00	<0.001U mg/L	0.001 mg/L
01037	Cobalt	G	N	EPA6020	8/7/2002 08:00	0.0015 mg/L	0.001 mg/L
01034	Chromium	G	N	EPA6020	8/7/2002 08:00	0.009 mg/L	0.001 mg/L
01042	Copper	G	N	EPA6020	8/7/2002 08:00	<0.01U mg/L	0.01 mg/L
01067	Nickel	G	N	EPA6020	8/7/2002 08:00	0.0042 mg/L	0.001 mg/L
01051	Lead	G	N	EPA6020	8/7/2002 08:00	<0.001U mg/L	0.001 mg/L
01097	Antimony	G	N	EPA6020	8/7/2002 08:00	0.0048 mg/L	0.001 mg/L
01147	Selenium	G	N	EPA6020	8/7/2002 08:00	0.0029 mg/L	0.002 mg/L
01059	Thallium	G	N	EPA6020	8/7/2002 08:00	<0.001U mg/L	0.001 mg/L
01087	Vanadium	G	N	EPA6020	8/7/2002 08:00	0.0071 mg/L	0.001 mg/L
01092	Zinc	G	N	EPA6020	8/7/2002 08:00	0.0759 mg/L	0.01 mg/L
	Dilution Factor			EPA5030	7/30/2002 08:00	1	
081552	Acetone	G	N	EPA8260	7/30/2002 08:00	<5U ug/L	5 ug/L
034215	Acrylonitrile	G	N	EPA8260	7/30/2002 08:00	<5U ug/L	5 ug/L
034030	Benzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081555	Bromobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077297	Bromochloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032101	Bromodichloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032104	Bromoform	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034413	Bromomethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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(407) 339-5984

Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1230

Report Period: _____

Well Name: TANK-2

Well Purged (Y/N): _____

FCL Sample ID: 7654

Well Type ☐ Background

Classification of Groundwater: G-II

☐ Intermediate

☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077342	n-butylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077350	sec-butylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077353	tert-butylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077041	Carbon disulfide	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032102	Carbon tetrachloride	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034301	Chlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034311	Chloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
032105	Chloroform	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034418	Chloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077725	2-chlorotoluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077277	4-chlorotoluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081521	Dibromochloromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
082625	1,2-dibromo-3-chloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077651	1,2-dibromoethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081522	Dibromomethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034536	o-dichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034566	m-dichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034571	Para-dichlorobenzene	G	N	EPA8260	7/30/2002 08:00	1.55 ug/L	1 ug/L
034668	Dichlorodifluoromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
073547	t-1,4-dichloro-2-butene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034496	1,1-dichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034531	1,2-dichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034501	1,1-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077093	cis-1,2-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034546	t-1,2-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1230

Report Period: _____

Well Name: TANK-2

Well Purged (Y/N): _____

FCL Sample ID: 7654Classification of Groundwater: G-IIWell Type ☐ Background☐ Intermediate☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
034531	1,2-dichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034541	1,2-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034561	1,3-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077170	2,2-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077168	1,1-dichloropropene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034704	cis-1,3-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034699	trans-1,3-dichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034371	Ethylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
039702	Hexachlorobutadiene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077103	2-Hexanone	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034396	Hexachloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077223	Isopropylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077356	4-isopropyltoluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034423	Methylene chloride	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
078032	Methyl-tert-butylether	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081595	2-butanone	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077424	Methyl iodide	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081596	4-methyl-2-pentanone	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034696	Naphthalene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077224	Propylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077128	Styrene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077562	1,1,1,2-tetrachloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034516	1,1,2,2-tetrachloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034475	Tetrachloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034010	Toluene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L

FLOWERS CHEMICAL LABORATORIES, INC.

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

Facility GMS#: _____

Sample Date: 07-23-02

Test Site ID#: _____

Sample Time: 1230

Report Period: _____

Well Name: TANK-2

Well Purged (Y/N): _____

FCL Sample ID: 7654

Well Type ☐ Background

Classification of Groundwater: G-II

☐ Intermediate

☐ Compliance

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

☐ Other

Storet Code	Parameter Monitored	Sampling Method	Field Filtered Y/N	Analysis Method	Analysis Date/Time	Analysis Results/Units	Detection Limits/Units
077613	1,2,3-trichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034551	1,2,4-trichlorobenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034506	1,1,1-trichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034511	1,1,2-trichloroethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
039180	Trichloroethene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
034488	Trichlorofluoromethane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077443	1,2,3-trichloropropane	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077222	1,2,4-trimethylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077226	1,3,5-trimethylbenzene	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
077057	Vinyl acetate	G	N	EPA8260	7/30/2002 08:00	<5U ug/L	5 ug/L
039175	Vinyl chloride	G	N	EPA8260	7/30/2002 08:00	<1U ug/L	1 ug/L
081551	Xylene	G	N	EPA8260	7/30/2002 08:00	2.79 ug/L	1 ug/L



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

DHRS E44123
CompQAP # 870167G

REPORT OF ANALYSES

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 8/27/02

SAMPLE NUMBER	AA05746	SAMPLE ID	TANK 1 @ WP CLASS III	SAMPLE MATRIX	Leac
DATE SAMPLED	7/23/02			TIME SAMPLED	13:20
DATE RECEIVED	7/23/02	SAMPLER	CSC	RECEIVED BY	MAS
TIME RECEIVED	16:25	DELIVERED BY	CSC	SAMPLE TYPE	Pumped

ANALYSIS	ANALYSIS					DET. LIMIT
	METHOD	DATE	TIME	BY	RESULT QUAL. UNIT	
Color by Observation	Observation	7/23/02	13:20	CSC	CLEAR	
Conductivity Field	SM2510B	7/23/02	13:20	CSC	1660	umhos/
Dissolved Oxygen Field	SM4500OG	7/23/02	13:20	CSC	1.10	mg/L 0.00
pH Field	SM4500HB	7/23/02	13:20	CSC	6.59	std unit
Temperature Field	SM2550B	7/23/02	13:20	CSC	19.20	deg C
Iron, Total, Flame	SM3111B	8/7/02	10:50	TER	1.51	mg/L 0.03
Mercury, Total, CVAA	SM3112B	8/16/02	11:00	TER	<0.0005	mg/L 0.0005
Sodium, Total, Flame	SM3111B	8/7/02	11:40	TER	98.4	mg/L 0.01
Ammonia	SM4500NH3	7/31/02	8:00	IF	1.98	mg/L 0.03
Nitrate	SM4500NO3	7/26/02	8:00	IF	<0.11	mg/L 0.11
Total Dissolved Solids	SM2540C	7/30/02	14:00	JK	1410	mg/L 1.00
Bicarbonate Alkalinity	SM2320B	7/25/02	14:00	JK	267	mgCaC

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

DHRS E44123
CompQAP # 870167G

REPORT OF ANALYSES

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 8/27/02

SAMPLE NUMBER AA05746 SAMPLE ID TANK 1 @ WP CLASS III
DATE SAMPLED 7/23/02
DATE RECEIVED 7/23/02 SAMPLER CSC
TIME RECEIVED 16:25 DELIVERED BY CSC

SAMPLE MATRIX Leac
TIME SAMPLED 13:20
RECEIVED BY MAS
SAMPLE TYPE
Pumped

ANALYSIS	ANALYSIS					RESULT	QUAL.	UNIT	DET. LIMIT
	METHOD	DATE	TIME	BY					
Chloride	SM4500CLE	7/29/02	10:00	JK	112		mg/L	0.62	

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

DHRS E44123
CompQAP # 870167G

REPORT OF ANALYSES

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 8/27/02

SAMPLE NUMBER	AA05747	SAMPLE ID	TANK 2 @ WP CLASS III	SAMPLE MATRIX	Leac
DATE SAMPLED	7/23/02			TIME SAMPLED	12:30
DATE RECEIVED	7/23/02	SAMPLER	CSC	RECEIVED BY	MAS
TIME RECEIVED	16:25	DELIVERED BY	CSC	SAMPLE TYPE	Pumped

ANALYSIS	METHOD	DATE	ANALYSIS		RESULT	QUAL.	UNIT	DET. LIMIT
			TIME	BY				
Color by Observation	Observation	7/23/02	12:30	CSC	BLACK			
Conductivity Field	SM2510B	7/23/02	12:30	CSC	3000		umhos/	
Dissolved Oxygen Field	SM4500OG	7/23/02	12:30	CSC	4.00		mg/L	0.00
pH Field	SM4500HB	7/23/02	12:30	CSC	7.34		std unit	
Temperature Field	SM2550B	7/23/02	12:30	CSC	19.80		deg C	
Iron, Total, Flame	SM3111B	8/7/02	10:50	TER	2.39		mg/L	0.03
Mercury, Total, CVAA	SM3112B	8/16/02	11:00	TER	<0.0005		mg/L	0.0005
Sodium, Total, Flame	SM3111B	8/7/02	11:40	TER	311		mg/L	0.01
Ammonia	SM4500NH3	7/31/02	8:00	IF	2.82		mg/L	0.03
Nitrate	SM4500NO3	7/26/02	8:00	IF	6.24		mg/L	0.11
Total Dissolved Solids	SM2540C	7/24/02	13:00	JK	1830		mg/L	1.00
Bicarbonate Alkalinity	SM2320B	7/25/02	14:00	JK	997		mgCaC	

LABORATORY DIRECTOR



PASCO COUNTY, FLORIDA

ENVIRONMENTAL LABORATORY
8864 GOVERNMENT DRIVE
NEW PORT RICHEY, FL 34654

DHRS E44123
CompQAP # 870167G

REPORT OF ANALYSES

West Pasco
Class III Landfill
Hays Road
Shady Hills, Fl
John Power

Date: 8/27/02

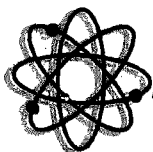
SAMPLE NUMBER	AA05747	SAMPLE ID	TANK 2 @ WP CLASS III	SAMPLE MATRIX	Leac
DATE SAMPLED	7/23/02			TIME SAMPLED	12:30
DATE RECEIVED	7/23/02	SAMPLER	CSC	RECEIVED BY	MAS
TIME RECEIVED	16:25	DELIVERED BY	CSC	SAMPLE TYPE	Pumped

ANALYSIS

Chloride

ANALYSIS									DET.
METHOD	DATE	TIME	BY	RESULT	QUAL.	UNIT	LIMIT		
SM4500CLE	7/29/02	10:00	JK	114		mg/L	0.62		

LABORATORY DIRECTOR



FLOWERS CHEMICAL LABORATORIES INC.

P.O. BOX 150597, ALTAMONTE SPRINGS FL 32715-0597 PHONE (407) 339-5984 FAX (407) 260-6110 www.flowerslabs.com
8253 SOUTH U.S. HIGHWAY 1, PORT ST. LUCIE FL 34952-2860 PHONE (772) 343-8006 FAX (772) 343-8089

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

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

RECEIVED

AUG 15 2002

Per.....*[Signature]*

Report Summary

Sampled: Jul 23, 2002
Received: Jul 26, 2002
Reported: Aug 9, 2002

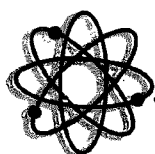
FCL Project Manager: Lori S. Mangrum

Laboratory #	Sample Description	Analyses	Sample Matrix
7653	tank-1	EPA6020 EPA8260	Ground Water
7654	tank-2	EPA6020 EPA8260	Ground Water

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAC Standards except as noted in the Quality Control Report. Uncertainties for these data are available on request. This report may not be reproduced in part; results relate only to items tested.

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



FLOWERS CHEMICAL LABORATORIES INC.

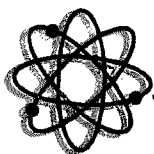
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Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Analysis Report

Laboratory #:	7653	Sample Description: tank-1					
Parameter	Result	Units	DF	MDL	QC Batch	Method	Analyzed
Vinyl_Acetate	5.00U	ug/L	1	5.00		EPA8260	07/30/02
trans-1,4-dichloro-2-butene	1.00U	ug/L	1	1.00		EPA8260	07/30/02
1,1,1,2-tetrachloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,1,1-trichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,1,2,2-tetrachloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,1,2-trichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,1-dichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,1-dichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,2,3-trichloropropane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,2-Dibromoethane (EDB)	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,2-dibromo-3-chloropropane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,2-dichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
1,2-dichloropropane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
2-Butanone (MEK)	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
2-Hexanone	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Acetone	5.00U	ug/L	1	5.00	10017045	EPA8260	07/30/02
Acrylonitrile	5.00U	ug/L	1	5.00	10017045	EPA8260	07/30/02
Benzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Bromochloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Bromodichloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Bromoform	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Bromomethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Carbon Disulfide	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Carbon tetrachloride	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Chlorobenzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Chloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Chloroform	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Chloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Dibromochloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Dibromomethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Ethylbenzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Methyl isobutyl ketone	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Methyl iodide	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Methylene chloride	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Para-dichlorobenzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Styrene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Tetrachloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Toluene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Trichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Trichlorofluoromethane	4	ug/L	1	1.00	10017045	EPA8260	07/30/02
Vinyl chloride	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02
Xylenes	1.35	ug/L	1	1.00	10017045	EPA8260	07/30/02



FLOWERS CHEMICAL LABORATORIES INC.

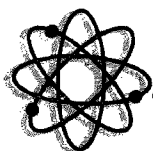
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Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Laboratory #: 7653		Sample Description: tank-1						
Parameter	Result	Units	DF	MDL	QC Batch	Method	Analyzed	
cis-1,2-dichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
cis-1,3-dichloropropene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
o-dichlorobenzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
trans-1,2-dichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
trans-1,3,-dichloropropene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Surr:1,2-Dichloroethane-d4 (89-129%)	101.33%		1	1.00	10017045	EPA8260	07/30/02	
Surr:Bromofluorobenzene (87-114%)	91.00%		1	1.00	10017045	EPA8260	07/30/02	
Surr:Toluene-d8 (94-112%)	108.67%		1	1.00	10017045	EPA8260	07/30/02	
Antimony	0.00378	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Arsenic	0.0474	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Barium	0.0357	mg/L	1	0.00200	10017228	EPA6020	08/07/02	
Beryllium	0.00100U	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Cadmium	0.00127	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Chromium	0.0232	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Cobalt	0.0029	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Copper	0.0249	mg/L	1	0.0100	10017228	EPA6020	08/07/02	
Lead	0.00625	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Nickel	0.0161	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Selenium	0.00200U	mg/L	1	0.00200	10017228	EPA6020	08/07/02	
Silver	0.00100U	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Thallium	0.00167	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Vanadium	0.00383	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Zinc	0.306	mg/L	1	0.0100	10017228	EPA6020	08/07/02	

Laboratory #:		Sample Description: tank-2						
Parameter	Result	Units	DF	MDL	QC Batch	Method	Analyzed	
Vinyl_Acetate	5.00U	ug/L	1	5.00		EPA8260	07/30/02	
trans-1,4-dichloro-2-butene	1.00U	ug/L	1	1.00		EPA8260	07/30/02	
1,1,1,2-tetrachloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,1,1-trichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,1,2,2-tetrachloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,1,2-trichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,1-dichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,1-dichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,2,3-trichloropropane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,2-Dibromoethane (EDB)	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,2-dibromo-3-chloropropane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,2-dichloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
1,2-dichloropropane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
2-Butanone (MEK)	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
2-Hexanone	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Acetone	5.00U	ug/L	1	5.00	10017045	EPA8260	07/30/02	
Acrylonitrile	5.00U	ug/L	1	5.00	10017045	EPA8260	07/30/02	
Benzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	



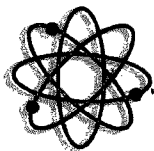
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Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Laboratory #:	7654	Sample Description: tank-2						
Parameter	Result	Units	DF	MDL	QC Batch	Method	Analyzed	
Bromochloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Bromodichloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Bromoform	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Bromomethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Carbon Disulfide	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Carbon tetrachloride	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Chlorobenzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Chloroethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Chloroform	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Chloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Dibromochloromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Dibromomethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Ethylbenzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Methyl isobutyl ketone	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Methyl iodide	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Methylene chloride	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Para-dichlorobenzene	1.55	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Styrene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Tetrachloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Toluene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Trichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Trichlorofluoromethane	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Vinyl chloride	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Xylenes	2.79	ug/L	1	1.00	10017045	EPA8260	07/30/02	
cis-1,2-dichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
cis-1,3-dichloropropene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
o-dichlorobenzene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
trans-1,2-dichloroethene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
trans-1,3,-dichloropropene	1.00U	ug/L	1	1.00	10017045	EPA8260	07/30/02	
Surr:1,2-Dichloroethane-d4 (89-129%)	108.00%		1	1.00	10017045	EPA8260	07/30/02	
Surr:Bromofluorobenzene (87-114%)	91.00%		1	1.00	10017045	EPA8260	07/30/02	
Surr:Toluene-d8 (94-112%)	107.00%		1	1.00	10017045	EPA8260	07/30/02	
Antimony	0.0048	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Arsenic	0.0147	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Barium	0.0208	mg/L	1	0.00200	10017228	EPA6020	08/07/02	
Beryllium	0.00100U	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Cadmium	0.00100U	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Chromium	0.009	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Cobalt	0.0015	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Copper	0.0100U	mg/L	1	0.0100	10017228	EPA6020	08/07/02	
Lead	0.00100U	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Nickel	0.0042	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Selenium	0.0029	mg/L	1	0.00200	10017228	EPA6020	08/07/02	
Silver	0.00100U	mg/L	1	0.00100	10017228	EPA6020	08/07/02	



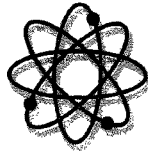
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Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Laboratory #: 7654		Sample Description: tank-2						
Parameter	Result	Units	DF	MDL	QC Batch	Method	Analyzed	
Thallium	0.00100U	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Vanadium	0.0071	mg/L	1	0.00100	10017228	EPA6020	08/07/02	
Zinc	0.0759	mg/L	1	0.0100	10017228	EPA6020	08/07/02	



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New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Report

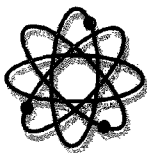
Quality Control Batch: 10017045

Analyst: CLS

	Result	Units
Blank	5U	ug/L
Acetone	5U	ug/L
Acrylonitrile	1U	ug/L
Benzene	1U	ug/L
Bromochloromethane	1U	ug/L
Bromodichloromethane	1U	ug/L
Bromoform	1U	ug/L
Bromomethane	1U	ug/L
Carbon Disulfide	1U	ug/L
Carbon tetrachloride	1U	ug/L
Chlorobenzene	1U	ug/L
Chloroethane	1U	ug/L
Chloroform	1U	ug/L
Chloromethane	1U	ug/L
cis-1,2-dichloroethene	1U	ug/L
cis-1,3-dichloropropene	1U	ug/L
Dibromochloromethane	1U	ug/L
Dibromomethane	1U	ug/L
Ethylbenzene	1U	ug/L
Methyl iodide	1U	ug/L
Methylene chloride	1U	ug/L
o-dichlorobenzene	1U	ug/L
Para-dichlorobenzene	1U	ug/L
Styrene	1U	ug/L
Tetrachloroethene	1U	ug/L
Toluene	1U	ug/L
trans-1,2-dichloroethene	1U	ug/L

FLDOH: E83018 NYDOH: 11595 CTDPH: 173
FLDOH: E86562 (South Lab)

NJDER: FL015 UTDOH: FLOW



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New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017045

Analyst: CLS

Blank Result Units

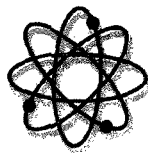
trans-1,3,-dichloropropene 1U ug/L
Trichloroethene 1U ug/L
Trichlorofluoromethane 1U ug/L
Vinyl chloride 1U ug/L
Xylenes 1U ug/L
1,1,1,2-tetrachloroethane 1U ug/L
1,1,1-trichloroethane 1U ug/L
1,1,2,2-tetrachloroethane 1U ug/L
1,1,2-trichloroethane 1U ug/L
1,1-dichloroethane 1U ug/L
1,1-dichloroethene 1U ug/L
1,2,3-trichloropropane 1U ug/L
1,2-Dibromoethane (EDB) 1U ug/L
1,2-dibromo-3-chloropropane 1U ug/L
1,2-dichloroethane 1U ug/L
1,2-dichloropropane 1U ug/L
2-Butanone (MEK) 1U ug/L
2-Hexanone 1U ug/L
Surr:Bromofluorobenzene 27.8 ug/L
Surr:Toluene-d8 32.1 ug/L
Surr:1,2-Dichloroethane-d4 32.2 ug/L

Laboratory Control Sample

Acetone	Result	Units	Spike	%REC	%REC Lim
Acrylonitrile	157	ug/L	100	157.00	51.10-145.00
Benzene	9.95	ug/L	10.0	99.50	49.20-127.00
Bromochloromethane	11.8	ug/L	10.0	118.00	70.40-129.00
Bromodichloromethane	11.3	ug/L	10.0	113.00	81.90-122.00
	12.5	ug/L	10.0	125.00	80.40-119.00

FLDOH: E83018 NYDOH: 11595 CTDPH: 173 NJDEP: FL015 UTDOH: FLOW

FLDOH: E86562 (South Lab)



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New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017045

Analyst: CLS

Laboratory Control Sample

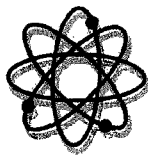
	Result	Units	Spike	%REC	%REC Lim
Bromoform	13.6	ug/L	10.0	136.00	74.60-127.00
Bromomethane	14.0	ug/L	10.0	140.00	68.60-136.00
Carbon Disulfide	16.1	ug/L	10.0	161.00	59.70-167.00
Carbon tetrachloride	12.1	ug/L	10.0	121.00	73.50-126.00
Chlorobenzene	12.2	ug/L	10.0	122.00	79.10-123.00
Chloroethane	13.7	ug/L	10.0	137.00	62.70-144.00
Chloroform	12.0	ug/L	10.0	120.00	74.60-127.00
Chloromethane	11.4	ug/L	10.0	114.00	67.10-135.00
cis-1,2-dichloroethene	11.7	ug/L	10.0	117.00	82.50-126.00
cis-1,3-dichloropropene	12.2	ug/L	10.0	122.00	73.60-129.00
Dibromochloromethane	11.7	ug/L	10.0	117.00	77.80-123.00
Dibromomethane	11.8	ug/L	10.0	118.00	80.30-120.00
Ethylbenzene	12.4	ug/L	10.0	124.00	79.50-122.00
Methyl iodide	14.1	ug/L	10.0	141.00	60.20-161.00
Methylene chloride	11.4	ug/L	10.0	114.00	63.50-141.00
o-dichlorobenzene	11.7	ug/L	10.0	117.00	77.20-123.00
Para-dichlorobenzene	12.1	ug/L	10.0	121.00	77.40-123.00
Styrene	11.0	ug/L	10.0	110.00	75.10-126.00
Tetrachloroethene	15.5	ug/L	10.0	155.00	63.90-139.00
Toluene	11.8	ug/L	10.0	118.00	79.30-124.00
trans-1,2-dichloroethene	11.8	ug/L	10.0	118.00	73.50-136.00
trans-1,3-dichloropropene	12.3	ug/L	10.0	123.00	73.50-128.00
Trichloroethene	12.3	ug/L	10.0	123.00	67.90-132.00
Trichlorofluoromethane	10.4	ug/L	10.0	104.00	56.00-156.00
Vinyl chloride	11.5	ug/L	10.0	115.00	66.20-140.00
Xylenes	36.1	ug/L	30.0	120.33	79.67-122.00
1,1,1,2-tetrachloroethane	12.4	ug/L	10.0	124.00	83.70-119.00
1,1,1-trichloroethane	12.1	ug/L	10.0	121.00	75.80-122.00

FLDOH: E83018 NYDOH: 11595 CTDPH: 173

NJDEP: FL015

UTDOH: FLOW

FLDOH: E86562 (South Lab)



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

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017045 Analyst: CLS

Laboratory Control Sample

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	Sample
1,1,2,2-tetrachloroethane	15.4	ug/L	10.0	154.00	69.70-136.00	5.00U
1,1,2-trichloroethane	11.9	ug/L	10.0	119.00	79.10-123.00	5.00U
1,1-dichloroethane	12.5	ug/L	10.0	125.00	73.60-127.00	1.00U
1,1-dichloroethene	12.7	ug/L	10.0	127.00	69.50-137.00	1.00U
1,2,3-trichloropropane	18.9	ug/L	10.0	189.00	67.00-148.00	1.00U
1,2-Dibromoethane (EDB)	11.7	ug/L	10.0	117.00	83.60-116.00	1.00U
1,2-dibromo-3-chloropropane	8.84	ug/L	10.0	88.40	63.50-138.00	1.00U
1,2-dichloroethane	11.7	ug/L	10.0	117.00	73.30-125.00	1.00U
1,2-dichloropropane	12.3	ug/L	10.0	123.00	80.50-120.00	1.00U
2-Butanone (MEK)	17.9	ug/L	10.0	179.00	58.40-147.00	1.00U
2-Hexanone	14.0	ug/L	10.0	140.00	55.30-143.00	1.00U
Surr:Bromofluorobenzene	27.7	ug/L	30.0	92.33	57.67-122.67	1.00U
Surr:Toluene-d8	31.2	ug/L	30.0	104.00	68.33-132.33	1.00U
Surr:1,2-Dichloroethane-d4	31.2	ug/L	30.0	104.00	96.67-135.33	1.00U

Matrix Spike

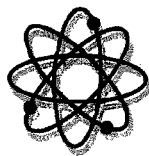
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	305	ug/L	200	152.50	33.75-153.50	5.00U
Acrylonitrile	20.4	ug/L	20.0	102.00	59.50-127.00	5.00U
Benzene	22.0	ug/L	20.0	110.00	77.50-120.00	1.00U
Bromochloromethane	21.5	ug/L	20.0	107.50	77.50-122.50	1.00U
Bromodichloromethane	23.8	ug/L	20.0	119.00	73.00-122.50	1.00U
Bromoform	25.2	ug/L	20.0	126.00	71.50-127.50	1.00U
Bromomethane	24.5	ug/L	20.0	122.50	61.50-139.00	1.00U
Carbon tetrachloride	23.0	ug/L	20.0	115.00	73.50-120.50	1.00U
Chlorobenzene	22.8	ug/L	20.0	114.00	79.50-117.50	1.00U
Chloroethane	18.6	ug/L	20.0	93.00	59.00-142.50	1.00U
Chloroform	22.4	ug/L	20.0	112.00	71.50-123.00	1.00U
Chloromethane	21.8	ug/L	20.0	109.00	63.00-137.50	1.00U

FLDOH: E83018 NYDOH: 11595 CTDPH: 173

NJDEP: FL015

UTDOH: FLOW

FLDOH: E86562 (South Lab)



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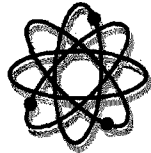
Pasco Co. Utilities Env. Lab
8864 Government Dr.
New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017045 Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
cis-1,2-dichloroethene	22.2	ug/L	20.0	111.00	78.00-125.00	1.00U
cis-1,3-dichloropropene	23.1	ug/L	20.0	115.50	69.50-128.00	1.00U
Dibromochloromethane	22.4	ug/L	20.0	112.00	76.50-122.50	1.00U
Dibromomethane	23.1	ug/L	20.0	115.50	81.00-116.50	1.00U
Ethylbenzene	22.6	ug/L	20.0	113.00	79.00-118.00	1.00U
Methyl iodide	29.1	ug/L	20.0	145.50	26.50-174.00	1.00U
Methylene chloride	21.5	ug/L	20.0	107.50	66.00-135.00	1.00U
o-dichlorobenzene	23.4	ug/L	20.0	117.00	75.50-121.50	1.00U
Para-dichlorobenzene	22.9	ug/L	20.0	114.50	76.00-120.50	1.00U
Styrene	21.9	ug/L	20.0	109.50	71.50-125.50	1.00U
Tetrachloroethene	25.4	ug/L	20.0	127.00	50.50-140.00	1.00U
Toluene	22.9	ug/L	20.0	114.50	77.00-120.00	1.00U
trans-1,2-dichloroethene	23.1	ug/L	20.0	115.50	75.00-129.50	1.00U
trans-1,3-dichloropropene	23.1	ug/L	20.0	115.50	71.50-125.50	1.00U
Trichloroethene	23.6	ug/L	20.0	118.00	68.00-128.00	1.00U
Trichlorofluoromethane	25.7	ug/L	20.0	128.50	44.75-166.00	1.00U
Vinyl chloride	23.3	ug/L	20.0	116.50	64.50-137.50	1.00U
Xylenes	68.4	ug/L	60.0	114.00	79.17-116.00	1.00U
1,1,1,2-tetrachloroethane	22.9	ug/L	20.0	114.50	84.50-115.00	1.00U
1,1,1-trichloroethane	23.0	ug/L	20.0	115.00	72.00-120.00	1.00U
1,1,2,2-tetrachloroethane	27.6	ug/L	20.0	138.00	66.00-134.00	1.00U
1,1,2-trichloroethane	22.4	ug/L	20.0	112.00	80.00-118.50	1.00U
1,1-dichloroethane	24.2	ug/L	20.0	121.00	74.50-122.00	1.00U
1,1-dichloroethene	25.7	ug/L	20.0	128.50	58.50-140.00	1.00U
1,2,3-trichloropropane	35.4	ug/L	20.0	177.00	65.00-149.50	1.00U
1,2-Dibromoethane (EDB)	22.7	ug/L	20.0	113.50	84.50-113.50	1.00U
1,2-dibromo-3-chloropropane	19.5	ug/L	20.0	97.50	67.50-134.50	1.00U
1,2-dichloroethane	22.5	ug/L	20.0	112.50	73.50-121.50	1.00U

FLDOH: E83018 NYDOH: 11595 CTDPH: 173 NJDEP: FL015 UTDOH: FLOW
FLDOH: E86562 (South Lab)



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

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017045

Analyst: CLS

Matrix Spike

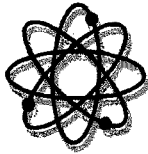
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
1,2-dichloropropane	23.7	ug/L	20.0	118.50	78.00-119.00	1.00U
2-Butanone (MEK)	34.8	ug/L	20.0	174.00	43.90-156.50	1.00U
2-Hexanone	26.6	ug/L	20.0	133.00	55.50-139.50	1.00U
Surr:Bromofluorobenzene	28.8	ug/L	30.0	96.00	87.67-114.67	
Surr:Toluene-d8	31.7	ug/L	30.0	105.67	94.33-112.33	
Surr:1,2-Dichloroethane-d4	31.4	ug/L	30.0	104.67	89.67-129.67	

Matrix Spike Duplicate

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	300	ug/L	200	150.00	33.75-153.50	5.00U	1.65	40.15
Acrylonitrile	20.9	ug/L	20.0	104.50	59.50-127.00	5.00U	2.42	19.55
Benzene	22.2	ug/L	20.0	111.00	77.50-120.00	1.00U	0.90	12.00
Bromochloromethane	21.8	ug/L	20.0	109.00	77.50-122.50	1.00U	1.39	14.15
Bromodichloromethane	23.5	ug/L	20.0	117.50	73.00-122.50	1.00U	1.27	15.80
Bromoform	25.5	ug/L	20.0	127.50	71.50-127.50	1.00U	1.18	16.05
Bromomethane	22.5	ug/L	20.0	112.50	61.50-139.00	1.00U	8.51	23.55
Carbon tetrachloride	23.4	ug/L	20.0	117.00	73.50-120.50	1.00U	1.72	14.80
Chlorobenzene	22.7	ug/L	20.0	113.50	79.50-117.50	1.00U	0.44	11.95
Chloroethane	20.7	ug/L	20.0	103.50	59.00-142.50	1.00U	10.69	24.45
Chloroform	23.2	ug/L	20.0	116.00	71.50-123.00	1.00U	3.51	16.00
Chloromethane	23.0	ug/L	20.0	115.00	63.00-137.50	1.00U	5.36	18.70
cis-1,2-dichloroethene	22.5	ug/L	20.0	112.50	78.00-125.00	1.00U	1.34	11.30
cis-1,3-dichloropropene	23.0	ug/L	20.0	115.00	69.50-128.00	1.00U	0.43	16.00
Dibromochloromethane	21.8	ug/L	20.0	109.00	76.50-122.50	1.00U	2.71	13.55
Dibromomethane	23.0	ug/L	20.0	115.00	81.00-116.50	1.00U	0.43	9.70
Ethylbenzene	22.3	ug/L	20.0	111.50	79.00-118.00	1.00U	1.34	10.60
Methyl iodide	30.0	ug/L	20.0	150.00	26.50-174.00	1.00U	3.05	45.15
Methylene chloride	22.1	ug/L	20.0	110.50	66.00-135.00	1.00U	2.75	23.35
o-dichlorobenzene	23.3	ug/L	20.0	116.50	75.50-121.50	1.00U	0.43	14.80

FLDOH: E83018 NYDOH: 11595 CTDPH: 173 NJDEP: FL015 UTDOH: FLOW

FLDOH: E86562 (South Lab)



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PO #: Leachate Q-III 2002
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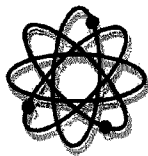
Quality Control Batch: 10017045 Analyst: CLS

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Para-dichlorobenzene	22.7	ug/L	20.0	113.50	76.00-120.50	1.00U	0.88	13.95
Styrene	22.1	ug/L	20.0	110.50	71.50-125.50	1.00U	0.91	15.85
Tetrachloroethene	31.7	ug/L	20.0	158.50	50.50-140.00	1.00U	22.07	23.95
Toluene	21.9	ug/L	20.0	109.50	77.00-120.00	1.00U	4.46	11.75
trans-1,2-dichloroethene	23.8	ug/L	20.0	119.00	75.00-129.50	1.00U	2.99	16.50
trans-1,3-dichloropropene	23.3	ug/L	20.0	116.50	71.50-125.50	1.00U	0.86	13.15
Trichloroethene	23.8	ug/L	20.0	119.00	68.00-128.00	1.00U	0.84	18.45
Trichlorofluoromethane	27.5	ug/L	20.0	137.50	44.75-166.00	1.00U	6.77	31.50
Vinyl chloride	25.5	ug/L	20.0	127.50	64.50-137.50	1.00U	9.02	18.80
Xylenes	67.8	ug/L	60.0	113.00	79.17-116.00	1.00U	0.88	10.98
1,1,1,2-tetrachloroethane	23.1	ug/L	20.0	115.50	84.50-115.00	1.00U	0.87	10.05
1,1,1-trichloroethane	23.4	ug/L	20.0	117.00	72.00-120.00	1.00U	1.72	15.00
1,1,2,2-tetrachloroethane	27.2	ug/L	20.0	136.00	66.00-134.00	1.00U	1.46	17.55
1,1,2-trichloroethane	22.2	ug/L	20.0	111.00	80.00-118.50	1.00U	0.90	12.95
1,1-dichloroethane	24.5	ug/L	20.0	122.50	74.50-122.00	1.00U	1.23	15.55
1,1-dichloroethene	27.0	ug/L	20.0	135.00	58.50-140.00	1.00U	4.93	26.30
1,2,3-trichloropropane	35.6	ug/L	20.0	178.00	65.00-149.50	1.00U	0.56	18.20
1,2-Dibromoethane (EDB)	22.7	ug/L	20.0	113.50	84.50-113.50	1.00U	0.00	9.00
1,2-dibromo-3-chloropropane	19.3	ug/L	20.0	96.50	67.50-134.50	1.00U	1.03	18.80
1,2-dichloroethane	22.2	ug/L	20.0	111.00	73.50-121.50	1.00U	1.34	14.45
1,2-dichloropropane	23.0	ug/L	20.0	115.00	78.00-119.00	1.00U	3.00	12.75
2-Butanone (MEK)	39.2	ug/L	20.0	196.00	43.90-156.50	1.00U	11.89	32.20
2-Hexanone	29.1	ug/L	20.0	145.50	55.50-139.50	1.00U	8.98	22.50
Surr:Bromofluorobenzene	29.8	ug/L	30.0	99.33	87.67-114.67		3.41	11.87
Surr:Toluene-d8	31.6	ug/L	30.0	105.33	94.33-112.33		0.32	16.13
Surr:1,2-Dichloroethane-d4	31.4	ug/L	30.0	104.67	89.67-129.67		0.00	19.37

FLDOH: E83018 NYDOH: 11595 CTDPH: 173 NJDEP: FL015 UTDOH: FLOW

FLDOH: E86562 (South Lab)



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8864 Government Dr.
New Port Richey, FL 34654

PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017228

Analyst: EVB

Blank Result Units

Antimony	0.001U	mg/L
Arsenic	0.001U	mg/L
Barium	0.002U	mg/L
Beryllium	0.001U	mg/L
Cadmium	0.001U	mg/L
Chromium	0.001U	mg/L
Cobalt	0.001U	mg/L
Copper	0.01U	mg/L
Lead	0.001U	mg/L
Nickel	0.001U	mg/L
Selenium	0.002U	mg/L
Silver	0.001U	mg/L
Thallium	0.001U	mg/L
Vanadium	0.001U	mg/L
Zinc	0.01U	mg/L

Laboratory Control Sample

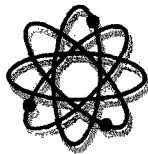
	Result	Units	Spike	%REC	%REC Lim
Antimony	0.171	mg/L	0.200	85.50	70.00-113.00
Arsenic	0.177	mg/L	0.200	88.50	78.00-116.50
Barium	0.184	mg/L	0.200	92.00	87.50-127.00
Beryllium	0.250	mg/L	0.200	125.00	78.00-148.50
Cadmium	0.181	mg/L	0.200	90.50	82.50-115.50
Chromium	0.182	mg/L	0.200	91.00	74.50-124.00
Cobalt	0.177	mg/L	0.200	88.50	76.50-125.00
Copper	0.172	mg/L	0.200	86.00	70.00-127.50
Lead	0.188	mg/L	0.200	94.00	70.50-131.50
Nickel	0.178	mg/L	0.200	89.00	75.00-125.00
Selenium	0.168	mg/L	0.200	84.00	73.00-114.50

FLDOH: E83018 NYDOH: 11595
FLDOH: E86562 (South Lab)

CTDPH: 173

NJDEP: FL015

UTDOH: FLOW



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Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017228

Analyst: EVB

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Silver	0.174	mg/L	0.200	87.00	70.00-129.50
Thallium	0.188	mg/L	0.200	94.00	76.50-129.00
Vanadium	0.183	mg/L	0.200	91.50	74.50-124.00
Zinc	0.168	mg/L	0.200	84.00	65.00-127.50

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.173	mg/L	0.200	84.61	57.91-154.58	0.00378
Arsenic	0.220	mg/L	0.200	86.30	59.01-154.81	0.0474
Barium	0.209	mg/L	0.200	86.65	81.88-145.10	0.0357
Beryllium	0.226	mg/L	0.200	113.00	93.00-155.00	0.00100U
Cadmium	0.172	mg/L	0.200	85.37	78.50-137.13	0.00127
Chromium	0.210	mg/L	0.200	93.40	74.37-155.47	0.0232
Cobalt	0.185	mg/L	0.200	91.05	84.28-149.83	0.00290
Copper	0.180	mg/L	0.200	77.55	50.24-149.40	0.0249
Lead	0.180	mg/L	0.200	86.88	55.27-146.42	0.00625
Nickel	0.183	mg/L	0.200	83.45	55.07-159.65	0.0161
Selenium	0.168	mg/L	0.200	84.00	73.00-132.50	0.00200U
Silver	0.0405	mg/L	0.0500	81.00	17.00-167.40	0.00100U
Thallium	0.182	mg/L	0.200	90.16	83.30-135.87	0.00167
Vanadium	0.192	mg/L	0.200	94.08	88.80-146.20	0.00383
Zinc	0.295	mg/L	0.200	-5.50	1.90-177.87	0.306

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.179	mg/L	0.200	87.61	57.91-154.58	0.00378	3.41	26.75
Arsenic	0.234	mg/L	0.200	93.30	59.01-154.81	0.0474	6.17	25.85
Barium	0.217	mg/L	0.200	90.65	81.88-145.10	0.0357	3.76	15.95
Beryllium	0.232	mg/L	0.200	116.00	93.00-155.00	0.00100U	2.62	15.60
Cadmium	0.179	mg/L	0.200	88.87	78.50-137.13	0.00127	3.99	14.95

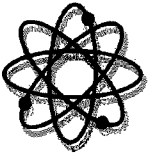
FLDOH: E83018 NYDOH: 11595

CTDPH: 173

NJDEP: FL015

UTDOH: FLOW

FLDOH: E86562 (South Lab)



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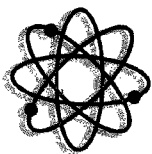
PO #: Leachate Q-III 2002
Client Project #: W. Pasco Class III
Invoice #: 7653H02
August 9, 2002

Quality Control Batch: 10017228

Analyst: EVB

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Chromium	0.214	mg/L	0.200	95.40	74.37-155.47	0.0232	1.89	21.20
Cobalt	0.187	mg/L	0.200	92.05	84.28-149.83	0.00290	1.08	17.15
Copper	0.181	mg/L	0.200	78.05	50.24-149.40	0.0249	0.55	32.25
Lead	0.186	mg/L	0.200	89.88	55.27-146.42	0.00625	3.28	26.50
Nickel	0.188	mg/L	0.200	85.95	55.07-159.65	0.0161	2.70	37.20
Selenium	0.176	mg/L	0.200	88.00	73.00-132.50	0.00200U	4.65	18.05
Silver	0.0414	mg/L	0.0500	82.80	17.00-167.40	0.00100U	2.20	49.00
Thallium	0.185	mg/L	0.200	91.67	83.30-135.87	0.00167	1.63	12.60
Vanadium	0.193	mg/L	0.200	94.58	88.80-146.20	0.00383	0.52	18.35
Zinc	0.267	mg/L	0.200	-19.50	1.90-177.87	0.306	9.96	50.00



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Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis.

Quality Control

Enclosed analyses met method or FCL criteria, unless otherwise denoted on the sample results. Applied data qualifiers are defined below.

Attachments

Chain of Custody
Cooler Receipt, Custody Verification, and Preservation Form

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	One or more QC samples associated with this data value exceeded QC limits.
J1	Surrogate recovery limits have been exceeded.
J2	No known quality control criteria exist for the component.
J3	Reported value failed to meet established quality control criteria for either precision or accuracy.
J4	Sample matrix interfered with the ability to make any accurate determination.
Q	Sample held beyond the accepted holding time.
L	Off-scale high; reported concentration exceeds the highest standard.
V	Analyte was detected in both the sample and the associated method blank.
TNTC	Too numerous to count.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is less than the statistical method detection limit, but less than the reported MDL.
G	The greatest of three dilutions did not yield sufficient oxygen depletion for valid data.
S	The least of three dilutions did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.