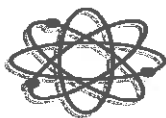


ATTACHMENT C

Groundwater and Surface Water Laboratory Analytical Reports



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

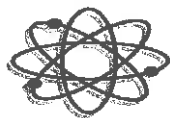
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Report Summary

Date Received: May 26, 2016

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
299773GW1	MW-4/299	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
299773GW2	MW-2/297	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
299773GW3	MW-1/296	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715 0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

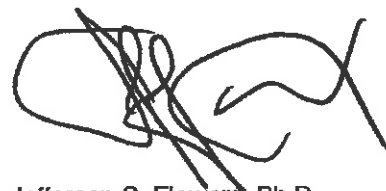
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

299773GW4	MW-13/29063	FT1600	RJC	Main Lab	Ground Water
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
FT1500	RJC	Main Lab			
FT1600	RJC	Main Lab			
299773GW5	MW-14/29064	SM2540 C	PLB	Main Lab	Ground Water
		SM4500-CI E	VLB	Main Lab	
		EPA350.1	PCW	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
FT1600	RJC	Main Lab			
299773GW6	Trip Blank 2	SM2540 C	PLB	Main Lab	Ground Water
		SM4500-CI E	VLB	Main Lab	
		EPA8260	CTH	Main Lab	

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.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E85562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

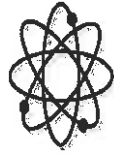
Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Analysis Report

Lab #: 299773GW1 Sampled: 05/25/16 09:20 AM Desc: MW-4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312605	EPA353.2	14797-55-8	05/26/16 03:38 PM
TDS	372	mg/L	1.00	2.50	5.00	10312687	SM2540 C	10-33-3	05/27/16
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

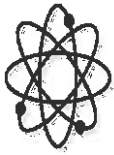
Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins- Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW1 Sampled: 05/25/16 09:20 AM Desc: MW-4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	104.57%		1.00	0.0100	0.0100	10312813	EPA8260	460-00-4	05/31/16
Surr:Bromofluorobenzene (50-170%)	99.93%		1.00	1.00	1.00	10312813	EPA8260		05/31/16
Surr:Toluene-d8 (50-170%)	101.60%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Iron	10.7	mg/L	1.00	0.0100	0.0200	10312832	EPA6010		05/31/16
Sodium	13.7	mg/L	1.00	0.500	1.00	10312832	EPA6010		05/31/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312843	EPA7470		05/31/16
Chloride	32.9	mg/L	1.00	4.00	8.00	10312922	SM4500-ClE		06/01/16
Field Ground Water Elevation	81.6	ft	1.00	-10.0	-10.0	10313246	FT1000		05/25/16
Field pH (units)	6.52	pH	1.00	0.0100	0.0200	10313247	FT1100	C006	05/25/16
Field Conductivity	527	umhos/cm	1.00	0.100	0.100	10313248	FT1200		05/25/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW1 Sampled: 05/25/16 09:20 AM Desc: MW-4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field Temp. (C)	22.7	oC	1.00	0.100	0.100	10313249	FT1400		05/25/16
Field DO	0.550	mg/L	1.00	0.100	0.100	10313250	FT1500		05/25/16
Field Turbidity	2.70	NTU	1.00	0.100	0.100	10313251	FT1600		05/25/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10313890	EPA350.1	7664-41-7	06/13/16
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.0128	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.0106	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16
Chromium	0.00310	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00190 I	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16
Vanadium	0.0284	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16

Lab #: 299773GW2 Sampled: 05/25/16 10:58 AM Desc: MW-2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312605	EPA353.2	14797-55-8	05/26/16 03:38 PM
TDS	332	mg/L	1.00	2.50	5.00	10312687	SM2540 C	10-33-3	05/27/16
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Akamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW2 Sampled: 05/25/16 10:58 AM Desc: MW-2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 25, 2016

Jun 16, 2016; Invoice: 299773

Lab #: 299773GW2 Sampled: 05/25/16 10:58 AM Desc: MW-2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	158-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	104.97%		1.00	0.0100	0.0100	10312813	EPA8260	460-00-4	05/31/16
Surr:Bromofluorobenzene (50-170%)	99.53%		1.00	0.0100	0.0100	10312813	EPA8260	7439-89-6	05/31/16
Surr:Toluene-d8 (50-170%)	101.63%		1.00	0.0100	0.0200	10312832	EPA6010	7440-23-5	05/31/16
Iron	2.71	mg/L	1.00	0.0100	0.0200	10312832	EPA6010	7439-97-6	06/01/16
Sodium	19.3	mg/L	1.00	0.500	1.00	10312832	EPA6010	16887-00-6	06/01/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312843	EPA7470	C006	05/25/16
Chloride	26.8	mg/L	1.00	4.00	8.00	10312922	SM4500-CIE		05/25/16
Field Ground Water Elevation	80.6	ft	1.00	-10.0	-10.0	10313246	FT1000		05/25/16
Field pH (units)	7.19	pH	1.00	0.0100	0.0200	10313247	FT1100		05/25/16
Field Conductivity	708	umhos/cm	1.00	0.100	0.100	10313248	FT1200		05/25/16
Field Temp. (C)	25.2	oC	1.00	0.100	0.100	10313249	FT1400		05/25/16
Field DO	1.76	mg/L	1.00	0.100	0.100	10313250	FT1500		05/25/16
Field Turbidity	4.14	NTU	1.00	0.100	0.100	10313251	FT1600		05/25/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10313890	EPA350.1	7664-41-7	06/13/16
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW2 Sampled: 05/25/16 10:58 AM Desc: MW-2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.0194	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00190 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16
Vanadium	0.00200	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16

Lab #: 299773GW3 Sampled: 05/25/16 12:23 PM Desc: MW-1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312605	EPA353.2	14797-55-8	05/26/16 03:38 PM
TDS	266	mg/L	1.00	2.50	5.00	10312687	SM2540 C	10-33-3	05/27/16
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

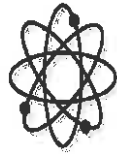
Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW3 Sampled: 05/25/16 12:23 PM Desc: MW-1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW3 Sampled: 05/25/16 12:23 PM Desc: MW-1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	100.10%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Surr:Bromofluorobenzene (50-170%)	98.90%		1.00	1.00	1.00	10312813	EPA8260	460-00-4	05/31/16
Surr:Toluene-d8 (50-170%)	101.63%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Iron	8.25	mg/L	1.00	0.0100	0.0200	10312832	EPA6010	7439-89-6	05/31/16
Sodium	11.7	mg/L	1.00	0.500	1.00	10312832	EPA6010	7440-23-5	05/31/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312843	EPA7470	7439-97-6	06/01/16
Chloride	24.7	mg/L	1.00	4.00	8.00	10312922	SM4500-Cl E	16887-00-6	06/01/16
Field Ground Water Elevation	82.8	ft	1.00	-10.0	-10.0	10313246	FT1000		05/25/16
Field pH (units)	5.41	pH	1.00	0.0100	0.0200	10313247	FT1100	C006	05/25/16
Field Conductivity	359	umhos/cm	1.00	0.100	0.100	10313248	FT1200		05/25/16
Field Temp. (C)	25.4	oC	1.00	0.100	0.100	10313249	FT1400		05/25/16
Field DO	0.460	mg/L	1.00	0.100	0.100	10313250	FT1500		05/25/16
Field Turbidity	8.67	NTU	1.00	0.100	0.100	10313251	FT1600		05/25/16
Ammonia (as N)	0.0464	mg/L	1.00	0.0100	0.0200	10313890	EPA350.1	7664-41-7	06/13/16
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
1,2,3-Trichloropropene	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00620	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.00900	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW3 Sampled: 05/25/16 12:23 PM Desc: MW-1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00380	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16
Vanadium	0.0213	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16

Lab #: 299773GW4 Sampled: 05/25/16 02:05 PM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	1.27	mg/L	1.00	0.0100	0.0200	10312605	EPA353.2	14797-55-8	05/26/16 03:38 PM
TDS	270	mg/L	1.00	2.50	5.00	10312687	SM2540 C	10-33-3	05/27/16
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW4 Sampled: 05/25/16 02:05 PM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 25, 2016

Jun 16, 2016; Invoice: 299773

Lab #: 299773GW4 Sampled: 05/25/16 02:05 PM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	102.43%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Surr:Bromofluorobenzene (50-170%)	98.57%		1.00	1.00	1.00	10312813	EPA8260	460-00-4	05/31/16
Surr:Toluene-d8 (50-170%)	101.10%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Iron	0.304	mg/L	1.00	0.0100	0.0200	10312832	EPA6010	7439-89-6	05/31/16
Sodium	11.0	mg/L	1.00	0.500	1.00	10312832	EPA6010	7440-23-5	05/31/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312843	EPA7470	7439-97-6	06/01/16
Chloride	15.0	mg/L	1.00	4.00	8.00	10312922	SM4500-ClE	16887-00-6	06/01/16
Field Ground Water Elevation	82.5	ft	1.00	-10.0	-10.0	10313246	FT1000		05/25/16
Field pH (units)	6.39	pH	1.00	0.0100	0.0200	10313247	FT1100	C006	05/25/16
Field Conductivity	561	umhos/cm	1.00	0.100	0.100	10313248	FT1200		05/25/16
Field Temp. (C)	25.3	oC	1.00	0.100	0.100	10313249	FT1400		05/25/16
Field DO	0.960	mg/L	1.00	0.100	0.100	10313250	FT1500		05/25/16
Field Turbidity	3.38	NTU	1.00	0.100	0.100	10313251	FT1600		05/25/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10313890	EPA350.1	7664-41-7	06/13/16
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00120 I	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

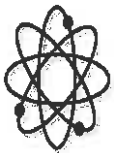
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW4 Sampled: 05/25/16 02:05 PM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Silver	0.00500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16
Vanadium	0.00310	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16

Lab #: 299773GW5 Sampled: 05/25/16 03:00 PM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.425	mg/L	1.00	0.0100	0.0200	10312605	EPA353.2	14797-55-8	05/26/16 03:38 PM
TDS	498	mg/L	1.00	2.50	5.00	10312687	SM2540 C	10-33-3	05/27/16
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 25, 2016

Jun 16, 2016; Invoice: 299773

Lab #: 299773GW5 Sampled: 05/25/16 03:00 PM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	102.67%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Surr:Bromofluorobenzene (50-170%)	99.37%		1.00	1.00	1.00	10312813	EPA8260	460-00-4	05/31/16
Surr:Toluene-d8 (50-170%)	101.80%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Iron	0.211	mg/L	1.00	0.0100	0.0200	10312832	EPA6010	7439-89-6	05/31/16
Sodium	11.2	mg/L	1.00	0.500	1.00	10312832	EPA6010	7440-23-5	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 25, 2016

Jun 16, 2016; Invoice: 299773

Lab #: 299773GW5 Sampled: 05/25/16 03:00 PM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	0.0000200	U	1.00	0.0000200	0.0000400	10312843	EPA7470	7439-97-6	06/01/16
Chloride	21.6	mg/L	1.00	4.00	8.00	10312922	SM4500-Cl E	16887-00-6	06/01/16
Field Ground Water Elevation	82.3	ft	1.00	-10.0	-10.0	10313246	FT1000		05/25/16
Field pH (units)	6.90	pH	1.00	0.0100	0.0200	10313247	FT1100	O006	05/25/16
Field Conductivity	893	umhos/cm	1.00	0.100	0.100	10313248	FT1200		05/25/16
Field Temp. (C)	24.7	oC	1.00	0.100	0.100	10313249	FT1400		05/25/16
Field DO	0.600	mg/L	1.00	0.100	0.100	10313250	FT1500		05/25/16
Field Turbidity	19.6	NTU	1.00	0.100	0.100	10313251	FT1600		05/25/16
Ammonia (as N)	0.125	mg/L	1.00	0.0100	0.0200	10313890	EPA350.1	7664-41-7	06/13/16
1,2-Dibromoethane (EDB)	0.0100	U	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
1,2,3-Trichloropropane	0.0200	U	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16
1,2-dibromo-3-chloropropane	0.0200	U	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200	U	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00260	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.00620	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500	U	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200	U	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16
Chromium	0.00100	U	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100	U	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100	U	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100	U	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00160	I	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200	U	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16
Silver	0.000500	U	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100	U	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16
Vanadium	0.00540	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0100	U	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-8878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 25, 2016

Jun 16, 2016; Invoice: 299773

Lab #: 299773GW6 Sampled: 05/25/16 12:01 AM Desc: Trip Blank 2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl. Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-8878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Lab #: 299773GW6 Sampled: 05/25/16 12:01 AM Desc: Trip Blank 2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	102.13%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Surr:Bromofluorobenzene (50-170%)	101.20%		1.00	1.00	1.00	10312813	EPA8260		05/31/16
Surr:Toluene-d8 (50-170%)	100.17%		1.00	0.0100	0.0100	10312813	EPA8260	460-00-4	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Report

Quality Control Batch: 10312605 Analyst: PCW
Blank Result Units
Nitrate(as N) 0.0100U mg/L
Laboratory Control Sample Result Units
Nitrate(as N) 0.940 mg/L

%REC Lim
85.00-115.00

%REC
94.00

Spike
1.00

Quality Control Batch: 10312687 Analyst: PLB
Blank Result Units
TDS 2.50U mg/L
Laboratory Control Sample Result Units
TDS 1450 mg/L

%REC Lim
50.00-150.00

%REC
96.53

Spike
1500

Quality Control Batch: 10312813 Analyst: CTH
Blank Result Units
Acetone 5.00U ug/L
Acrylonitrile 0.300U ug/L
Benzene 0.500U ug/L
Bromochloromethane 0.100U ug/L
Bromodichloromethane 0.100U ug/L
Bromoform 0.500U ug/L
Bromomethane 0.500U ug/L
Carbon Disulfide 1.00U ug/L
Carbon Tetrachloride 0.500U ug/L
Chlorobenzene 0.500U ug/L
Chloroethane 0.500U ug/L



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 25, 2016

Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10312813	Analyst: CTH
Blank	Result Units
Chloroform	0.500U ug/L
Chloromethane	0.500U ug/L
cis-1,2-dichloroethene	0.200U ug/L
cis-1,3-Dichloropropene	0.500U ug/L
Dibromochloromethane	0.400U ug/L
Dibromomethane	0.500U ug/L
Ethylbenzene	0.500U ug/L
Methyl Iodide	1.00U ug/L
Methyl isobutyl ketone	1.00U ug/L
Methylene chloride	1.00U ug/L
o-dichlorobenzene	0.500U ug/L
Para-dichlorobenzene	0.500U ug/L
Styrene	0.500U ug/L
Tetrachloroethene	0.500U ug/L
Toluene	0.500U ug/L
trans-1,2-dichloroethene	0.500U ug/L
trans-1,3,-Dichloropropene	0.500U ug/L
trans-1,4-dichloro-2-butene	1.00U ug/L
Trichloroethene	0.500U ug/L
Trichlorofluoromethane	0.500U ug/L
Vinyl Acetate	10.0U ug/L
Vinyl chloride	0.500U ug/L
Xylenes	1.00U ug/L
1,1,1,2-Tetrachloroethane	0.500U ug/L
1,1,1-Trichloroethane	0.500U ug/L
1,1,2,2-Tetrachloroethane	0.100U ug/L
1,1,2-Trichloroethane	0.500U ug/L
1,1-Dichloroethane	0.500U ug/L
1,1-Dichloroethene	0.500U ug/L



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10312813

Analyst: CTH

Blank	Result	Units
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr.:Bromofluorobenzene	29.9	ug/L
Surr.:Toluene-d8	30.4	ug/L
Surr.:1,2-Dichloroethane-d4	31.2	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Acetone	35.1	ug/L	40.0	87.82	50.00-170.00
Acrylonitrile	43.8	ug/L	40.0	109.48	50.00-170.00
Benzene	44.4	ug/L	40.0	110.88	50.00-170.00
Bromochloromethane	44.1	ug/L	40.0	110.22	50.00-170.00
Bromodichloromethane	46.4	ug/L	40.0	116.05	50.00-170.00
Bromoform	48.5	ug/L	40.0	121.25	50.00-170.00
Bromomethane	55.8	ug/L	40.0	139.38	50.00-170.00
Carbon Disulfide	43.1	ug/L	40.0	107.62	50.00-170.00
Carbon Tetrachloride	51.7	ug/L	40.0	129.17	50.00-170.00
Chlorobenzene	43.3	ug/L	40.0	108.30	50.00-170.00
Chloroethane	56.4	ug/L	40.0	140.88	50.00-170.00
Chloroform	44.9	ug/L	40.0	112.35	50.00-170.00
Chloromethane	39.4	ug/L	40.0	98.42	50.00-170.00
cis-1,2-dichloroethene	43.8	ug/L	40.0	109.48	50.00-170.00
cis-1,3-Dichloropropene	46.3	ug/L	40.0	115.83	50.00-170.00
Dibromochloromethane	45.7	ug/L	40.0	114.32	50.00-170.00
Dibromomethane	43.1	ug/L	40.0	107.72	50.00-170.00
Ethylbenzene	45.9	ug/L	40.0	114.78	50.00-170.00
Methyl Iodide	46.6	ug/L	40.0	116.60	50.00-170.00
Methyl isobutyl ketone	43.0	ug/L	40.0	107.57	50.00-170.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10312813 Analyst: CTH

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Methylene chloride	42.5	ug/L	40.0	106.25	50.00-170.00
o-dichlorobenzene	42.2	ug/L	40.0	105.43	50.00-170.00
Para-dichlorobenzene	33.8	ug/L	40.0	84.48	50.00-170.00
Styrene	45.0	ug/L	40.0	112.55	50.00-170.00
Tetrachloroethene	44.3	ug/L	40.0	110.68	50.00-170.00
Toluene	42.3	ug/L	40.0	105.62	50.00-170.00
trans-1,2-dichloroethene	44.2	ug/L	40.0	110.40	50.00-170.00
trans-1,3-Dichloropropene	44.9	ug/L	40.0	112.18	50.00-170.00
Trichloroethene	46.3	ug/L	40.0	115.80	50.00-170.00
Trichlorofluoromethane	50.5	ug/L	40.0	126.25	50.00-170.00
Vinyl chloride	45.4	ug/L	40.0	113.60	50.00-170.00
Xylenes	128	ug/L	120	106.55	50.00-170.00
1,1,1,2-Tetrachloroethane	44.9	ug/L	40.0	112.22	50.00-170.00
1,1,1-Trichloroethane	50.3	ug/L	40.0	125.65	50.00-170.00
1,1,2,2-Tetrachloroethane	42.0	ug/L	40.0	105.10	50.00-170.00
1,1,2-Trichloroethane	42.5	ug/L	40.0	106.12	50.00-170.00
1,1-Dichloroethane	46.7	ug/L	40.0	116.62	50.00-170.00
1,1-Dichloroethene	48.8	ug/L	40.0	122.00	50.00-170.00
1,2-dichloroethane	46.1	ug/L	40.0	115.23	50.00-170.00
1,2-dichloropropane	44.0	ug/L	40.0	110.10	50.00-170.00
2-Butanone (MEK)	36.4	ug/L	40.0	90.95	50.00-170.00
2-Hexanone	41.3	ug/L	40.0	103.20	50.00-170.00
Surr:Bromofluorobenzene	29.1	ug/L	30.0	97.00	50.00-170.00
Surr:Toluene-d8	29.7	ug/L	30.0	99.10	50.00-170.00
Surr:1,2-Dichloroethane-d4	30.8	ug/L	30.0	102.63	50.00-170.00
Matrix Spike	Result	Units	Spike	%REC	%REC Lim
Acetone	25.1	ug/L	20.0	125.25	50.00-170.00
Acrylonitrile	21.8	ug/L	20.0	108.85	50.00-170.00
					Sample
					5.00U
					0.300U



Phone: 407-339-5984 E83018 (Main Lab)
 Phone: 772-343-8006 E86562 (South Lab)
 Phone: 850-973-6878 E82405 (North Lab)
 Phone: 305-743-8598 E35834 (Keys Lab)

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10312813			Analyst: CTH			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Benzene	22.3	ug/L	20.0	111.35	50.00-170.00	0.500U
Bromochloromethane	20.9	ug/L	20.0	104.30	50.00-170.00	0.100U
Bromodichloromethane	23.2	ug/L	20.0	116.15	50.00-170.00	0.100U
Bromoform	21.6	ug/L	20.0	108.15	50.00-170.00	0.500U
Bromomethane	30.9	ug/L	20.0	154.30	50.00-170.00	0.500U
Carbon Tetrachloride	26.2	ug/L	20.0	131.10	50.00-170.00	0.500U
Chlorobenzene	20.7	ug/L	20.0	103.40	50.00-170.00	0.500U
Chloroethane	28.6	ug/L	20.0	143.00	50.00-170.00	0.500U
Chloroform	22.6	ug/L	20.0	113.15	50.00-170.00	0.500U
Chloromethane	18.5	ug/L	20.0	92.60	50.00-170.00	0.500U
cis-1,2-dichloroethene	22.3	ug/L	20.0	111.55	50.00-170.00	0.200U
cis-1,3-Dichloropropene	22.7	ug/L	20.0	113.30	50.00-170.00	0.500U
Dibromochloromethane	22.0	ug/L	20.0	109.90	50.00-170.00	0.400U
Dibromomethane	20.9	ug/L	20.0	104.55	50.00-170.00	0.500U
Ethylbenzene	22.2	ug/L	20.0	110.85	50.00-170.00	0.500U
Methyl Iodide	30.7	ug/L	20.0	153.65	50.00-170.00	1.00U
Methyl isobutyl ketone	22.3	ug/L	20.0	111.60	50.00-170.00	1.00U
Methylene chloride	21.4	ug/L	20.0	107.20	50.00-170.00	1.00U
o-dichlorobenzene	19.6	ug/L	20.0	98.10	50.00-170.00	0.500U
Para-dichlorobenzene	15.8	ug/L	20.0	78.95	50.00-170.00	0.500U
Styrene	20.9	ug/L	20.0	104.30	50.00-170.00	0.500U
Tetrachloroethene	21.8	ug/L	20.0	108.85	50.00-170.00	0.500U
Toluene	20.6	ug/L	20.0	102.75	50.00-170.00	0.500U
trans-1,2-dichloroethene	22.9	ug/L	20.0	114.60	50.00-170.00	0.500U
trans-1,3,-Dichloropropene	21.9	ug/L	20.0	109.45	50.00-170.00	0.500U
Trichloroethene	23.3	ug/L	20.0	116.70	50.00-170.00	0.500U
Trichlorofluoromethane	25.4	ug/L	20.0	127.20	50.00-170.00	0.500U
Vinyl chloride	23.1	ug/L	20.0	115.50	50.00-170.00	0.500U
Xylenes	60.4	ug/L	60.0	100.63	50.00-170.00	1.00U



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10312813 Analyst: CTH

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,1,1,2-Tetrachloroethane	21.5	ug/L	20.0	107.40	50.00-170.00	0.500U	10.28	30.00
1,1,1-Trichloroethane	24.8	ug/L	20.0	123.75	50.00-170.00	0.500U	1.48	30.00
1,1,2,2-Tetrachloroethane	19.5	ug/L	20.0	97.50	50.00-170.00	0.100U	0.49	30.00
1,1,2-Trichloroethane	19.6	ug/L	20.0	98.10	50.00-170.00	0.500U	0.67	30.00
1,1-Dichloroethane	23.0	ug/L	20.0	115.00	50.00-170.00	0.500U	0.09	30.00
1,1-Dichloroethane	25.5	ug/L	20.0	127.55	50.00-170.00	0.500U	0.14	30.00
1,2-dichloroethane	22.8	ug/L	20.0	113.75	50.00-170.00	0.500U	7.67	30.00
1,2-dichloropropane	21.6	ug/L	20.0	107.75	50.00-170.00	0.200U	1.38	30.00
2-Butanone (MEK)	23.0	ug/L	20.0	114.80	50.00-170.00	0.500U	0.34	30.00
2-Hexanone	21.1	ug/L	20.0	105.70	50.00-170.00	0.500U	1.53	30.00
Surr:Bromofluorobenzene	29.0	ug/L	30.0	96.60	50.00-170.00		2.01	30.00
Surr:Toluene-d8	30.6	ug/L	30.0	102.10	50.00-170.00		1.61	30.00
Surr:1,2-Dichloroethane-d4	31.1	ug/L	30.0	103.53	50.00-170.00		2.17	30.00
Matrix Spike Duplicate							0.48	
Acetone	22.6	ug/L	20.0	113.00	50.00-170.00	5.00U	10.28	30.00
Acrylonitrile	21.5	ug/L	20.0	107.25	50.00-170.00	0.300U	1.48	30.00
Benzene	22.4	ug/L	20.0	111.90	50.00-170.00	0.500U	0.49	30.00
Bromochloromethane	21.0	ug/L	20.0	105.00	50.00-170.00	0.100U	0.67	30.00
Bromodichloromethane	23.2	ug/L	20.0	116.05	50.00-170.00	0.100U	0.09	30.00
Bromoform	21.7	ug/L	20.0	108.30	50.00-170.00	0.500U	0.14	30.00
Bromomethane	33.3	ug/L	20.0	166.60	50.00-170.00	0.500U	7.67	30.00
Carbon Tetrachloride	25.9	ug/L	20.0	129.30	50.00-170.00	0.500U	1.38	30.00
Chlorobenzene	20.8	ug/L	20.0	103.75	50.00-170.00	0.500U	0.34	30.00
Chloroethane	29.0	ug/L	20.0	145.20	50.00-170.00	0.500U	1.53	30.00
Chloroform	22.2	ug/L	20.0	110.90	50.00-170.00	0.500U	2.01	30.00
Chloromethane	18.8	ug/L	20.0	94.10	50.00-170.00	0.500U	1.61	30.00
cis-1,2-dichloroethene	21.8	ug/L	20.0	109.15	50.00-170.00	0.200U	2.17	30.00
cis-1,3-Dichloropropene	22.8	ug/L	20.0	113.85	50.00-170.00	0.500U	0.48	30.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10312813			Analyst: CTH					
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Dibromochloromethane	21.7	ug/L	20.0	108.40	50.00-170.00	0.400U	1.37	30.00
Dibromomethane	21.3	ug/L	20.0	106.55	50.00-170.00	0.500U	1.89	30.00
Ethylbenzene	21.7	ug/L	20.0	108.45	50.00-170.00	0.500U	2.19	30.00
Methyl Iodide	32.2	ug/L	20.0	161.10	50.00-170.00	1.00U	4.73	30.00
Methyl isobutyl ketone	22.6	ug/L	20.0	112.75	50.00-170.00	1.00U	1.03	30.00
Methylene chloride	21.5	ug/L	20.0	107.30	50.00-170.00	1.00U	0.09	30.00
o-dichlorobenzene	19.8	ug/L	20.0	99.20	50.00-170.00	0.500U	1.12	30.00
Para-dichlorobenzene	16.0	ug/L	20.0	80.20	50.00-170.00	0.500U	1.57	30.00
Styrene	20.9	ug/L	20.0	104.45	50.00-170.00	0.500U	0.14	30.00
Tetrachloroethene	21.7	ug/L	20.0	108.35	50.00-170.00	0.500U	0.46	30.00
Toluene	20.2	ug/L	20.0	101.20	50.00-170.00	0.500U	1.52	30.00
trans-1,2-dichloroethene	22.8	ug/L	20.0	113.95	50.00-170.00	0.500U	0.57	30.00
trans-1,3,-Dichloropropene	21.4	ug/L	20.0	106.75	50.00-170.00	0.500U	2.50	30.00
Trichloroethene	23.6	ug/L	20.0	117.85	50.00-170.00	0.500U	0.98	30.00
Trichlorofluoromethane	25.3	ug/L	20.0	126.70	50.00-170.00	0.500U	0.39	30.00
Vinyl chloride	23.3	ug/L	20.0	116.55	50.00-170.00	0.500U	0.90	30.00
Xylenes	60.3	ug/L	60.0	100.53	50.00-170.00	1.00U	0.10	30.00
1,1,1,2-Tetrachloroethane	21.2	ug/L	20.0	105.80	50.00-170.00	0.500U	1.50	30.00
1,1,1-Trichloroethane	24.4	ug/L	20.0	122.20	50.00-170.00	0.500U	1.26	30.00
1,1,2,2-Tetrachloroethane	19.1	ug/L	20.0	95.60	50.00-170.00	0.100U	1.97	30.00
1,1,2-Trichloroethane	19.4	ug/L	20.0	96.90	50.00-170.00	0.500U	1.23	30.00
1,1-Dichloroethane	23.0	ug/L	20.0	115.10	50.00-170.00	0.500U	0.09	30.00
1,1-Dichloroethene	25.5	ug/L	20.0	127.40	50.00-170.00	0.500U	0.12	30.00
1,2-Dichloroethane	22.7	ug/L	20.0	113.30	50.00-170.00	0.500U	0.40	30.00
1,2-dichloropropane	22.3	ug/L	20.0	111.65	50.00-170.00	0.200U	3.56	30.00
2-Butanone (MEK)	21.5	ug/L	20.0	107.65	50.00-170.00	0.500U	6.43	30.00
2-Hexanone	21.2	ug/L	20.0	106.20	50.00-170.00	0.500U	0.47	30.00
Surr:Bromofluorobenzene	28.7	ug/L	30.0	95.80	50.00-170.00		0.83	30.00
Surr:Toluene-d8	30.9	ug/L	30.0	102.87	50.00-170.00		0.75	30.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10312813 Analyst: CTH

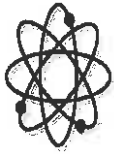
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Surr: 1,2-Dichloroethane-d4	32.0	ug/L	30.0	106.53	50.00-170.00		2.86	30.00

Quality Control Batch: 10312832 Analyst: EVB

Blank	Result	Units						
Iron	0.0100U	mg/L						
Sodium	0.500U	mg/L						
Laboratory Control Sample								
Iron	Result	Units	Spike	%REC	%REC Lim			
	5.05	mg/L	5.00	101.07	80.00-120.00			
Sodium	5.05	mg/L	5.00	100.98	80.00-120.00			
Matrix Spike								
Iron	Result	Units	Spike	%REC	%REC Lim	Sample		
	7.81	mg/L	5.00	107.37	75.00-125.00	2.44		
Sodium	22.7	mg/L	5.00	105.84	75.00-125.00	17.4		
Matrix Spike Duplicate								
Iron	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
	7.53	mg/L	5.00	101.71	75.00-125.00	2.44	3.69	20.00
Sodium	22.7	mg/L	5.00	107.17	75.00-125.00	17.4	0.29	20.00

Quality Control Batch: 10312843 Analyst: EVB

Blank	Result	Units						
Mercury	0.00000280	mg/L						
Laboratory Control Sample								
Mercury	Result	Units	Spike	%REC	%REC Lim			
	0.000961	mg/L	0.00100	96.08	80.00-120.00			
Matrix Spike								
Mercury	Result	Units	Spike	%REC	%REC Lim	Sample		
	0.00295	mg/L	0.00300	95.96	80.00-120.00	0.0000702		



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00291	mg/L	0.00300	94.69	80.00-120.00	0.0000702	1.30	20.00

Quality Control Batch: 10312922 Analyst: VLB

Blank Chloride	Result	Units
	4.00U	mg/L

Laboratory Control Sample Chloride	Result	Units
	188	mg/L

Matrix Spike Chloride	Result	Units
	178	mg/L

Matrix Spike Duplicate Chloride	Result	Units
	164	mg/L

Spike	%REC	%REC Lim
200	93.93	80.00-120.00

Spike	%REC	%REC Lim	Sample
100	98.78	80.00-120.00	78.9

Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
100	85.26	80.00-120.00	78.9	7.91	20.00

Quality Control Batch: 10313890 Analyst: PCW

Blank Ammonia (as N)	Result	Units
	0.0100U	mg/L

Laboratory Control Sample Ammonia (as N)	Result	Units
	0.468	mg/L

Matrix Spike Ammonia (as N)	Result	Units
	0.697	mg/L

Spike	%REC	%REC Lim
0.500	93.60	85.00-115.00

Spike	%REC	%REC Lim	Sample
0.780	89.36	85.00-115.00	0.0100U



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10313890		Analyst: PCW					
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	RPD
Ammonia (as N)		0.703	mg/L	0.780	90.13	85.00-115.00	0.86
							Sample
							0.0100U
							RPD Lim
							20.00
Quality Control Batch: 10313926		Analyst: DLJ					
Blank		Result	Units				
1,2-Dibromoethane (EDB)		0.0100U	ug/L				
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim	
1,2-Dibromoethane (EDB)		0.227	ug/L	0.250	90.96	50.00-170.00	
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	
1,2-Dibromoethane (EDB)		0.206	ug/L	0.250	82.28	50.00-170.00	
							Sample
							0.0100U
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	
1,2-Dibromoethane (EDB)		0.201	ug/L	0.250	80.40	50.00-170.00	
							Sample
							0.0100U
							RPD Lim
							30.00
Quality Control Batch: 10314019		Analyst: DLJ					
Blank		Result	Units				
1,2,3-Trichloropropane		0.0200U	ug/L				
1,2-dibromo-3-chloropropane		0.0200U	ug/L				
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim	
1,2,3-Trichloropropane		0.270	ug/L	0.250	108.00	50.00-170.00	
1,2-dibromo-3-chloropropane		0.261	ug/L	0.250	104.20	50.00-170.00	
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	
1,2,3-Trichloropropane		0.402	ug/L	0.250	160.80	50.00-170.00	
1,2-dibromo-3-chloropropane		0.240	ug/L	0.250	95.96	50.00-170.00	
							Sample
							0.0200U
							0.0200U
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	
							Sample
							0.0200U
							RPD Lim



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10314019 Analyst: DLJ

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane	0.419	ug/L	0.250	167.76	50.00-170.00	0.0200U	4.24	30.00
1,2-dibromo-3-chloropropane	0.247	ug/L	0.250	98.60	50.00-170.00	0.0200U	2.71	30.00

Quality Control Batch: 10314117 Analyst: EVB

Blank	Result	Units
Antimony	0.00200U	mg/L
Arsenic	0.00100U	mg/L
Barium	0.00200U	mg/L
Beryllium	0.000500U	mg/L
Cadmium	0.000200U	mg/L
Chromium	0.00100U	mg/L
Cobalt	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.00100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Vanadium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.101	mg/L	0.100	101.10	80.00-120.00
Arsenic	0.0974	mg/L	0.100	97.40	80.00-120.00
Barium	0.103	mg/L	0.100	102.50	80.00-120.00
Beryllium	0.103	mg/L	0.100	103.20	80.00-120.00
Cadmium	0.104	mg/L	0.100	103.60	80.00-120.00
Chromium	0.0978	mg/L	0.100	97.80	80.00-120.00
Cobalt	0.108	mg/L	0.100	107.60	80.00-120.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10314117

Analyst: EVB

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Copper	0.100	mg/L	0.100	100.20	80.00-120.00
Lead	0.116	mg/L	0.100	116.40	80.00-120.00
Nickel	0.109	mg/L	0.100	108.50	80.00-120.00
Selenium	0.0938	mg/L	0.100	93.80	80.00-120.00
Silver	0.0890	mg/L	0.100	89.00	80.00-120.00
Thallium	0.112	mg/L	0.100	112.40	80.00-120.00
Vanadium	0.109	mg/L	0.100	108.80	80.00-120.00
Zinc	0.0989	mg/L	0.100	98.90	80.00-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0797	mg/L	0.100	79.70	75.00-125.00	0.00200U
Arsenic	0.127	mg/L	0.100	126.90	75.00-125.00	0.00100U
Barium	0.0923	mg/L	0.100	83.70	75.00-125.00	0.00860
Beryllium	0.0823	mg/L	0.100	82.30	75.00-125.00	0.000500U
Cadmium	0.0956	mg/L	0.100	95.60	75.00-125.00	0.000200U
Chromium	0.112	mg/L	0.100	112.00	75.00-125.00	0.00100U
Cobalt	0.110	mg/L	0.100	110.10	75.00-125.00	0.00100U
Copper	0.245	mg/L	0.100	93.90	75.00-125.00	0.151
Lead	0.0811	mg/L	0.100	81.10	75.00-125.00	0.00100U
Nickel	0.104	mg/L	0.100	100.50	75.00-125.00	0.00380
Selenium	0.103	mg/L	0.100	102.60	75.00-125.00	0.00200U
Silver	0.0827	mg/L	0.100	82.70	75.00-125.00	0.000500U
Thallium	0.0825	mg/L	0.100	82.50	75.00-125.00	0.00100U
Vanadium	0.125	mg/L	0.100	125.30	75.00-125.00	0.00100U
Zinc	0.567	mg/L	0.100	77.10	75.00-125.00	0.490

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.0790	mg/L	0.100	79.00	75.00-125.00	0.00200U	0.88	20.00
Arsenic	0.128	mg/L	0.100	127.70	75.00-125.00	0.00100U	0.63	20.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

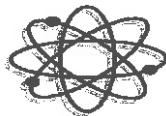
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

Quality Control Batch: 10314117

Analyst: EVB

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Barium	0.0909	mg/L	0.100	82.30	75.00-125.00	0.00860	1.53	20.00
Beryllium	0.0815	mg/L	0.100	81.50	75.00-125.00	0.000500U	0.98	20.00
Cadmium	0.0948	mg/L	0.100	94.80	75.00-125.00	0.000200U	0.84	20.00
Chromium	0.110	mg/L	0.100	109.80	75.00-125.00	0.00100U	1.98	20.00
Cobalt	0.113	mg/L	0.100	112.60	75.00-125.00	0.00100U	2.25	20.00
Copper	0.241	mg/L	0.100	89.70	75.00-125.00	0.151	1.73	20.00
Lead	0.0807	mg/L	0.100	80.70	75.00-125.00	0.00100U	0.49	20.00
Nickel	0.106	mg/L	0.100	102.60	75.00-125.00	0.00380	1.99	20.00
Selenium	0.102	mg/L	0.100	101.70	75.00-125.00	0.00200U	0.88	20.00
Silver	0.0817	mg/L	0.100	81.70	75.00-125.00	0.000500U	1.22	20.00
Thallium	0.0819	mg/L	0.100	81.90	75.00-125.00	0.00100U	0.73	20.00
Vanadium	0.128	mg/L	0.100	128.30	75.00-125.00	0.00100U	2.37	20.00
Zinc	0.586	mg/L	0.100	95.70	75.00-125.00	0.490	3.23	20.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 25, 2016
Jun 16, 2016; Invoice: 299773

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. Results are reported on a wet weight basis.

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

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Check Box That Applies To Your Location

☒ Flowers Chemical Laboratories, Inc.
481 Newburyport Ave.
Altamonte Springs, FL 32701
Bus: 407-339-5984
Fax: 407-260-6110

☐ Flowers Chemical Labs-South
West Park Industrial Plaza
571 N.W. Mercantile Pl., Ste. 111
Port St. Lucie, FL 34986
Bus: 772-343-8006
Fax: 772-343-8089

☐ Flowers Chemical Labs-North
812 S.W. Harvey Greene Dr.
Madison, FL 32340
Bus: 850-973-6878
Fax: 850-973-6878

☐ Flowers Chemical Labs-Keys
3980 Overseas Highway, Ste. 103
Marathon, FL 33050
Bus: 305-743-8598
Fax: 305-743-8598



DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY www.flowerslabs.com

Client: **Atkins** Project Name: **Hardee County Landfill** P.O.# **same as previous Hardee Co.**
Address: **4030 west Boy Scout Boulevard, Suite 700** Client Contact: **Brad Bayne** FAX: **813-636-8583**
Tampa, FL 33607 FOL Project Manager: **Jane Flowers** E-MAIL: **bradley.bayne@attkinglobal.com**
Phone: **813-281-8377** Requested Due Date: **OR** Rush Charges May Apply
Sampled By (PRINT): **Bradley J. Bayne** Pick-Up Fee: \$ Vehicle Surcharge: \$ Sampling Fee: \$

Date Sampled				PRESERVATIVES				ANALYSES REQUEST				Total # Containers
ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H ₂ O ₂	HNO ₃	HCl	Na ₂ S ₂ O ₃	COMMENTS	
1	MW-4	5/25/16	9:20	GW	3997736	3	1	1	2		Metals - LF App 1 (8260) App 1 (8011) NH ₃ TD5	7
2	MW-2	5/25/16	10:58	GW		3	1	1	2		Landfill List - Harder Co. list - Same as prior list	7
3	MW-1	5/25/16	12:23	GW		3	1	1	2			7
4	MW-13	5/25/16	14:05	GW		4	3	1	1	2		7
5	MW-14	5/25/16	15:00	GW		5	3	1	1	2		7
6	Trip Blank					6						
7												
8												
9												
10												
Relinquished By / Affiliation		Date	Time	Accepted By / Affiliation	Date	Time	Relinquished By / Affiliation	Date	Time	Accepted By / Affiliation	Date	Time
Bradley J. Bayne		5/26/16	9:55	Bradley J. Bayne	5/26/16	13:42	Bradley J. Bayne	5/26/16	13:42	RJC	5/26/16	13:42

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

KIT REQUEST FORM

Altamonte Springs, FL 32701

FCL Project Manager:

June Flowers

Total		Preservative						Plastic								Glass Containers													
	C	M	H	N	H	N	Mn	H	N	H	N	125	50	250	500	1	whirl	Coil	40	125	250	500	1	1	4	4	8	300	
	untainer	e t h a n o i	N (C2 O H3 O2) / 2	a 2 S O4	O H A	O H A	S O4 ALK	C L	H C L	N H4 C L	mL mL mL mL mL	mL mL mL mL mL	mL mL mL mL mL	Pak Bottle mL	Bottle mL	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil	
PARAMETERS																													
8 Metals	1 GW	X										X																	
16 App 1 (8260)	2 GW						X																						
16 App 1 (8011)	2 GW																												
8 Cl-, NO3, TDS	1 GW														X														
8 NH3	1 GW		X									X																	
Hardee kit 1																													
"LandfillApp1+" = quicklist it includes the field parms																													
Ship To:	Client #	Date Ordered:	05/17/16	Date to be Shipped:	05/18/16	Date Needed:																							
Atkins - Tampa		Extra Coolers:	(L) (M) (S)																										
4030 W. Boy Scout Blvd, Ste 700		Trip Blanks:	1 w/HCl				w/o HCl																						
Tampa FL 33707		Custody Chain:	1 Env.				DW																						
ATTN: Bradley Bayne		Temp Blank:					Bailers:																						
Project: "40612"		Special Notes:	Cooler ID																										
Location: Hardee County Landfill		Use Quicklist "LandfillApp1+" it includes the field parms																											
Sampling Dates:																													

SHIPPING METHOD

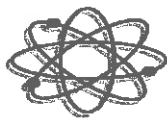
☒ STD. UPS ☐ DHL Next Day

☐ Fed-Ex Flowers Account

☐ Fed-Ex Client Account # _____

☐ Other: _____

Thank You for Your Business



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

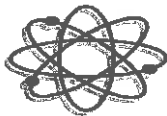
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Report Summary

Date Received: May 27, 2016

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
299866GW1	MW-10R/22930	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
299866GW2	MW-11/21882	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM4500-CI E	VLB	Main Lab	
299866GW3	MW12R/22931	EPA350.1	PCW	Main Lab	Ground Water
		EPA353.2	PCW	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA7470	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FT1000	RJC	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

FT1600	RJC	Main Lab
SM2540 C	PLB	Main Lab
SM4500-CI E	VLB	Main Lab

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.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Analysis Report

Lab #: 299866GW1 Sampled: 05/26/16 10:30 AM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312880	EPA353.2	14797-55-8	05/27/16 03:25 PM
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Lab #: 299866GW1 Sampled: 05/26/16 10:30 AM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	100.03%		1.00	0.0100	0.0100	10312813	EPA8260	460-00-4	05/31/16
Surr:Bromofluorobenzene (50-170%)	98.83%		1.00	1.00	1.00	10312813	EPA8260	7439-89-6	05/31/16
Surr:Toluene-d8 (50-170%)	101.13%		1.00	0.0100	0.0100	10312813	EPA8260	7440-23-5	05/31/16
Iron	22.8	mg/L	1.00	0.500	1.00	10312832	EPA6010	7439-97-6	06/01/16
Sodium	18.7	mg/L	1.00	0.500	1.00	10312832	EPA6010	16887-00-6	06/04/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312843	EPA7470	10-33-3	06/02/16
Chloride	28.7	mg/L	1.00	4.00	8.00	10313158	SM4500-Cl E	C006	05/26/16
TDS	222	mg/L	1.00	2.50	5.00	10313166	SM2540 C		05/26/16
Field Ground Water Elevation	81.9	ft	1.00	-10.0	-10.0	10313252	FT1000		05/26/16
Field pH (units)	6.16	pH	1.00	0.0100	0.0200	10313253	FT1100		05/26/16
Field Conductivity	462	umhos/cm	1.00	0.100	0.100	10313254	FT1200		05/26/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 303-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Lab #: 299866GW1 Sampled: 05/26/16 10:30 AM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field Temp. (C)	24.7	oC	1.00	0.100	0.100	10313255	FT1400		05/26/16
Field DO	0.470	mg/L	1.00	0.100	0.100	10313256	FT1500		05/26/16
Field Turbidity	1.11	NTU	1.00	0.100	0.100	10313257	FT1600		05/26/16
Ammonia (as N)	0.426	mg/L	1.00	0.0100	0.0200	10313891	EPA350.1	7664-41-7	06/13/16
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00340	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.0152	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16
Vanadium	0.00330	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16

Lab #: 299866GW2 Sampled: 05/26/16 11:30 AM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0733	mg/L	1.00	0.0100	0.0200	10312680	EPA353.2	14797-55-8	05/27/16 03:25 PM
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Lab #: 299866GW2 Sampled: 05/26/16 11:30 AM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Lab #:	299866GW2	Sampled:	05/26/16 11 30 AM	Desc:	MW-11/21882					
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analzyed	
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16	
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16	
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16	
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16	
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16	
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16	
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16	
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16	
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16	
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16	
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16	
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16	
Surr:1,2-Dichloroethane-d4 (50-170%)	99.13%		1.00	0.0100	0.0100	10312813	EPA8260	460-00-4	05/31/16	
Surr:Bromofluorobenzene (50-170%)	100.33%		1.00	1.00	1.00	10312813	EPA8260		05/31/16	
Surr:Toluene-d8 (50-170%)	101.40%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16	
Iron	0.170	mg/L	1.00	0.0100	0.0200	10312832	EPA6010	7439-89-6	05/31/16	
Sodium	6.08	mg/L	1.00	0.500	1.00	10312832	EPA6010	7440-23-5	05/31/16	
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312843	EPA7470	7439-97-6	06/01/16	
Chloride	11.1	mg/L	1.00	4.00	8.00	10313158	SM4500-ClE	16887-00-6	06/04/16	
TDS	112	mg/L	1.00	2.50	5.00	10313166	SM2540 C	10-33-3	06/02/16	
Field Ground Water Elevation	81.9	ft	1.00	-10.0	-10.0	10313252	FT1000		05/26/16	
Field pH (units)	5.53	pH	1.00	0.0100	0.0200	10313253	FT1100	C006	05/26/16	
Field Conductivity	233	umhos/cm	1.00	0.100	0.100	10313254	FT1200		05/26/16	
Field Temp. (C)	24.8	oC	1.00	0.100	0.100	10313255	FT1400		05/26/16	
Field DO	0.590	mg/L	1.00	0.100	0.100	10313256	FT1500		05/26/16	
Field Turbidity	17.2	NTU	1.00	0.100	0.100	10313257	FT1600		05/26/16	
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10313891	EPA350.1	7664-41-7	06/13/16	
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16	
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16	



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Lab #: 299866GW2 Sampled: 05/26/16 11:30 AM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.0117	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16
Vanadium	0.00600	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0630	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16

Lab #: 299866GW3 Sampled: 05/26/16 12:30 PM Desc: MW12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10312680	EPA353.2	14797-55-8	05/27/16 03:25 PM
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Lab #: 299866GW3 Sampled: 05/26/16 12:30 PM Desc: MW12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Lab #: 299866GW3 Sampled: 05/26/16 12:30 PM Desc: MW12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	99.33%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Surr:Bromofluorobenzene (50-170%)	101.10%		1.00	1.00	1.00	10312813	EPA8260	460-00-4	05/31/16
Surr:Toluene-d8 (50-170%)	100.60%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Iron	0.0860	mg/L	1.00	0.0100	0.0200	10312832	EPA6010	7439-89-6	05/31/16
Sodium	5.36	mg/L	1.00	0.500	1.00	10312832	EPA6010	7440-23-5	05/31/16
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10312844	EPA7470	7439-97-6	06/01/16
Chloride	8.93	mg/L	1.00	4.00	8.00	10313158	SM4500-Cl E	16887-00-6	06/04/16
TDS	266	mg/L	1.00	2.50	5.00	10313166	SM2540 C	10-33-3	06/02/16
Field Ground Water Elevation	82.2	ft	1.00	-10.0	-10.0	10313252	FT1000		05/26/16
Field pH (units)	7.04	pH	1.00	0.0100	0.0200	10313253	FT1100	C006	05/26/16
Field Conductivity	496	umhos/cm	1.00	0.100	0.100	10313254	FT1200		05/26/16
Field Temp. (C)	25.2	oC	1.00	0.100	0.100	10313255	FT1400		05/26/16
Field DO	0.640	mg/L	1.00	0.100	0.100	10313256	FT1500		05/26/16
Field Turbidity	3.01	NTU	1.00	0.100	0.100	10313257	FT1600		05/26/16
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10313891	EPA350.1	7664-41-7	06/13/16
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
1,2,3-Trichloropropene	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00340	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Lab #: 299866GW3		Sampled: 05/26/16 12:30 PM		Desc: MW12R/22931						
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16	
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16	
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16	
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16	
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16	
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16	
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16	
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16	
Vanadium	0.00480	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16	
Zinc	0.0178	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16	



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Quality Report

Quality Control Batch: 10312680

Analyst: PCW

Blank	Result	Units
Nitrate(as N)	0.0100U	mg/L

Laboratory Control Sample

Nitrate(as N)	Result	Units	Spike	%REC	%REC Lim
	0.970	mg/L	1.00	97.00	85.00-115.00

Quality Control Batch: 10312813

Analyst: CTH

Blank	Result	Units
Acetone	5.00U	ug/L
Acrylonitrile	0.300U	ug/L
Benzene	0.500U	ug/L
Bromochloromethane	0.100U	ug/L
Bromodichloromethane	0.100U	ug/L
Bromoform	0.500U	ug/L
Bromomethane	0.500U	ug/L
Carbon Disulfide	1.00U	ug/L
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dibromomethane	0.500U	ug/L
Ethylbenzene	0.500U	ug/L
Methyl Iodide	1.00U	ug/L



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

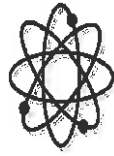
Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10312813

Analyst: CTH

Blank	Result	Units
Methyl isobutyl ketone	1.00U	ug/L
Methylene chloride	1.00U	ug/L
o-dichlorobenzene	0.500U	ug/L
Para-dichlorobenzene	0.500U	ug/L
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	ug/L
trans-1,2-dichloroethene	0.500U	ug/L
trans-1,3-Dichloropropene	0.500U	ug/L
trans-1,4-dichloro-2-butene	1.00U	ug/L
Trichloroethene	0.500U	ug/L
Trichlorofluoromethane	0.500U	ug/L
Vinyl Acetate	10.0U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	1.00U	ug/L
1,1,1,2-Tetrachloroethane	0.500U	ug/L
1,1,1-Trichloroethane	0.500U	ug/L
1,1,2,2-Tetrachloroethane	0.100U	ug/L
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	29.9	ug/L
Surr:Toluene-d8	30.4	ug/L
Surr:1,2-Dichloroethane-d4	31.2	ug/L



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Acetone	35.1	ug/L	40.0	87.82	50.00-170.00
Acrylonitrile	43.8	ug/L	40.0	109.48	50.00-170.00
Benzene	44.4	ug/L	40.0	110.88	50.00-170.00
Bromochloromethane	44.1	ug/L	40.0	110.22	50.00-170.00
Bromodichloromethane	46.4	ug/L	40.0	116.05	50.00-170.00
Bromoform	48.5	ug/L	40.0	121.25	50.00-170.00
Bromomethane	55.8	ug/L	40.0	139.38	50.00-170.00
Carbon Disulfide	43.1	ug/L	40.0	107.62	50.00-170.00
Carbon Tetrachloride	51.7	ug/L	40.0	129.17	50.00-170.00
Chlorobenzene	43.3	ug/L	40.0	108.30	50.00-170.00
Chloroethane	56.4	ug/L	40.0	140.88	50.00-170.00
Chloroform	44.9	ug/L	40.0	112.35	50.00-170.00
Chloromethane	39.4	ug/L	40.0	98.42	50.00-170.00
cis-1,2-dichloroethene	43.8	ug/L	40.0	109.48	50.00-170.00
cis-1,3-Dichloropropene	46.3	ug/L	40.0	115.83	50.00-170.00
Dibromochloromethane	45.7	ug/L	40.0	114.32	50.00-170.00
Dibromomethane	43.1	ug/L	40.0	107.72	50.00-170.00
Ethylbenzene	45.9	ug/L	40.0	114.78	50.00-170.00
Methyl Iodide	46.6	ug/L	40.0	116.60	50.00-170.00
Methyl isobutyl ketone	43.0	ug/L	40.0	107.57	50.00-170.00
Methylene chloride	42.5	ug/L	40.0	106.25	50.00-170.00
o-dichlorobenzene	42.2	ug/L	40.0	105.43	50.00-170.00
Para-dichlorobenzene	33.8	ug/L	40.0	84.48	50.00-170.00
Styrene	45.0	ug/L	40.0	112.55	50.00-170.00
Tetrachloroethene	44.3	ug/L	40.0	110.68	50.00-170.00
Toluene	42.3	ug/L	40.0	105.62	50.00-170.00
trans-1,2-dichloroethene	44.2	ug/L	40.0	110.40	50.00-170.00
trans-1,3-Dichloropropene	44.9	ug/L	40.0	112.18	50.00-170.00
Trichloroethene	46.3	ug/L	40.0	115.80	50.00-170.00
Trichlorofluoromethane	50.5	ug/L	40.0	126.25	50.00-170.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10312813

Analyst: CTH

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Vinyl chloride	45.4	ug/L	40.0	113.60	50.00-170.00
Xylenes	128	ug/L	120	106.55	50.00-170.00
1,1,1,2-Tetrachloroethane	44.9	ug/L	40.0	112.22	50.00-170.00
1,1,1-Trichloroethane	50.3	ug/L	40.0	125.65	50.00-170.00
1,1,2,2-Tetrachloroethane	42.0	ug/L	40.0	105.10	50.00-170.00
1,1,2-Trichloroethane	42.5	ug/L	40.0	106.12	50.00-170.00
1,1-Dichloroethane	46.7	ug/L	40.0	116.62	50.00-170.00
1,1-Dichloroethene	48.8	ug/L	40.0	122.00	50.00-170.00
1,2-dichloroethane	46.1	ug/L	40.0	115.23	50.00-170.00
1,2-dichloropropane	44.0	ug/L	40.0	110.10	50.00-170.00
2-Butanone (MEK)	36.4	ug/L	40.0	90.95	50.00-170.00
2-Hexanone	41.3	ug/L	40.0	103.20	50.00-170.00
Surr:Bromofluorobenzene	29.1	ug/L	30.0	97.00	50.00-170.00
Surr:Toluene-d8	29.7	ug/L	30.0	99.10	50.00-170.00
Surr:1,2-Dichloroethane-d4	30.8	ug/L	30.0	102.63	50.00-170.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	25.1	ug/L	20.0	125.25	50.00-170.00	5.00U
Acrylonitrile	21.8	ug/L	20.0	108.85	50.00-170.00	0.300U
Benzene	22.3	ug/L	20.0	111.35	50.00-170.00	0.500U
Bromochloromethane	20.9	ug/L	20.0	104.30	50.00-170.00	0.100U
Bromodichloromethane	23.2	ug/L	20.0	116.15	50.00-170.00	0.100U
Bromoform	21.6	ug/L	20.0	108.15	50.00-170.00	0.500U
Bromomethane	30.9	ug/L	20.0	154.30	50.00-170.00	0.500U
Carbon Tetrachloride	26.2	ug/L	20.0	131.10	50.00-170.00	0.500U
Chlorobenzene	20.7	ug/L	20.0	103.40	50.00-170.00	0.500U
Chloroethane	28.6	ug/L	20.0	143.00	50.00-170.00	0.500U
Chloroform	22.6	ug/L	20.0	113.15	50.00-170.00	0.500U
Chloromethane	18.5	ug/L	20.0	92.60	50.00-170.00	0.500U



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10312813 Analyst: CTH

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
cis-1,2-dichloroethene	22.3	ug/L	20.0	111.55	50.00-170.00	0.200U
cis-1,3-Dichloropropene	22.7	ug/L	20.0	113.30	50.00-170.00	0.500U
Dibromochloromethane	22.0	ug/L	20.0	109.90	50.00-170.00	0.400U
Dibromomethane	20.9	ug/L	20.0	104.55	50.00-170.00	0.500U
Ethylbenzene	22.2	ug/L	20.0	110.85	50.00-170.00	0.500U
Methyl Iodide	30.7	ug/L	20.0	153.65	50.00-170.00	1.00U
Methyl isobutyl ketone	22.3	ug/L	20.0	111.60	50.00-170.00	1.00U
Methylene chloride	21.4	ug/L	20.0	107.20	50.00-170.00	1.00U
o-dichlorobenzene	19.6	ug/L	20.0	98.10	50.00-170.00	0.500U
Para-dichlorobenzene	15.8	ug/L	20.0	78.95	50.00-170.00	0.500U
Styrene	20.9	ug/L	20.0	104.30	50.00-170.00	0.500U
Tetrachloroethene	21.8	ug/L	20.0	108.85	50.00-170.00	0.500U
Toluene	20.6	ug/L	20.0	102.75	50.00-170.00	0.500U
trans-1,2-dichloroethene	22.9	ug/L	20.0	114.60	50.00-170.00	0.500U
trans-1,3-Dichloropropene	21.9	ug/L	20.0	109.45	50.00-170.00	0.500U
Trichloroethene	23.3	ug/L	20.0	116.70	50.00-170.00	0.500U
Trichlorofluoromethane	25.4	ug/L	20.0	127.20	50.00-170.00	0.500U
Vinyl chloride	23.1	ug/L	20.0	115.50	50.00-170.00	0.500U
Xylenes	60.4	ug/L	60.0	100.63	50.00-170.00	1.00U
1,1,1,2-Tetrachloroethane	21.5	ug/L	20.0	107.40	50.00-170.00	0.500U
1,1,1-Trichloroethane	24.8	ug/L	20.0	123.75	50.00-170.00	0.500U
1,1,2,2-Tetrachloroethane	19.5	ug/L	20.0	97.50	50.00-170.00	0.100U
1,1,2-Trichloroethane	19.6	ug/L	20.0	98.10	50.00-170.00	0.500U
1,1-Dichloroethane	23.0	ug/L	20.0	115.00	50.00-170.00	0.500U
1,1-Dichloroethene	25.5	ug/L	20.0	127.55	50.00-170.00	0.500U
1,2-dichloroethane	22.8	ug/L	20.0	113.75	50.00-170.00	0.500U
1,2-dichloropropane	21.6	ug/L	20.0	107.75	50.00-170.00	0.200U
2-Butanone (MEK)	23.0	ug/L	20.0	114.80	50.00-170.00	0.500U
2-Hexanone	21.1	ug/L	20.0	105.70	50.00-170.00	0.500U



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10312813

Analyst: CTH

Matrix Spike

Surr: Bromofluorobenzene

Surr: Toluene-d8

Surr: 1,2-Dichloroethane-d4

Result

29.0

30.6

31.1

Units

ug/L

ug/L

ug/L

%REC

96.60

102.10

103.53

%REC Lim

50.00-170.00

50.00-170.00

50.00-170.00

%REC Lim

50.00-170.00

50.00-170.00

50.00-170.00

Sample

5.00U

0.300U

0.500U

Matrix Spike Duplicate

Acetone

Acrylonitrile

Benzene

Bromochloromethane

Bromodichloromethane

Bromoform

Bromomethane

Carbon Tetrachloride

Chlorobenzene

Chloroethane

Chloroform

Chloromethane

cis-1,2-dichloroethene

cis-1,3-Dichloropropene

Dibromochloromethane

Dibromomethane

Ethylbenzene

Methyl iodide

Methyl isobutyl ketone

Methylene chloride

o-dichlorobenzene

Para-dichlorobenzene

Styrene

Tetrachloroethene

Result

22.6

21.5

22.4

21.0

23.2

21.7

33.3

25.9

20.8

29.0

22.2

18.8

21.8

22.8

21.7

21.3

21.7

32.2

22.6

21.5

19.8

16.0

20.9

21.7

Units

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

ug/L

Spike

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

20.0

%REC

113.00

107.25

111.90

105.00

116.05

108.30

166.60

129.30

103.75

145.20

110.90

94.10

109.15

113.85

108.40

106.55

108.45

161.10

112.75

107.30

99.20

80.20

104.45

108.35

%REC Lim

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

50.00-170.00

Sample

5.00U

0.300U

0.500U

0.100U

0.100U

0.500U

0.500U

0.500U

0.500U

0.500U

0.500U

0.200U

0.500U

0.400U

0.500U

0.500U

1.00U

1.00U

1.00U

0.500U

0.500U

0.500U

0.500U

RPD

10.28

1.48

0.49

0.67

0.09

0.14

7.67

1.38

0.34

1.53

2.01

1.61

2.17

0.48

1.37

1.89

2.19

4.73

1.03

0.09

1.12

1.57

0.14

0.46

RPD Lim

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00

30.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10312813

Analyst: CTH

Matrix Spike Duplicate

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
20.2	ug/L	20.0	101.20	50.00-170.00	0.500U	1.52	30.00
22.8	ug/L	20.0	113.95	50.00-170.00	0.500U	0.57	30.00
21.4	ug/L	20.0	106.75	50.00-170.00	0.500U	2.50	30.00
23.6	ug/L	20.0	117.85	50.00-170.00	0.500U	0.98	30.00
25.3	ug/L	20.0	126.70	50.00-170.00	0.500U	0.39	30.00
23.3	ug/L	20.0	116.55	50.00-170.00	0.500U	0.90	30.00
60.3	ug/L	60.0	100.53	50.00-170.00	1.00U	0.10	30.00
21.2	ug/L	20.0	105.80	50.00-170.00	0.500U	1.50	30.00
24.4	ug/L	20.0	122.20	50.00-170.00	0.500U	1.26	30.00
19.1	ug/L	20.0	95.60	50.00-170.00	0.100U	1.97	30.00
19.4	ug/L	20.0	96.90	50.00-170.00	0.500U	1.23	30.00
23.0	ug/L	20.0	115.10	50.00-170.00	0.500U	0.09	30.00
25.5	ug/L	20.0	127.40	50.00-170.00	0.500U	0.12	30.00
22.7	ug/L	20.0	113.30	50.00-170.00	0.500U	0.40	30.00
22.3	ug/L	20.0	111.65	50.00-170.00	0.200U	3.56	30.00
21.5	ug/L	20.0	107.65	50.00-170.00	0.500U	6.43	30.00
21.2	ug/L	20.0	106.20	50.00-170.00	0.500U	0.47	30.00
28.7	ug/L	30.0	95.80	50.00-170.00		0.83	30.00
30.9	ug/L	30.0	102.87	50.00-170.00		0.75	30.00
32.0	ug/L	30.0	106.53	50.00-170.00		2.86	30.00

Quality Control Batch: 10312832

Analyst: EVB

Result	Units
0.0100U	mg/L
0.500U	mg/L

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
5.05	mg/L	5.00	101.07	80.00-120.00
5.05	mg/L	5.00	100.98	80.00-120.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10312832

Analyst: EVB		Matrix Spike	
Result	Units	Spike	%REC
7.81	mg/L	5.00	107.37
22.7	mg/L	5.00	105.84
Analyst: EVB		%REC Lim	
		75.00-125.00	
		Sample	
		2.44	
		17.4	
		%REC Lim	
		75.00-125.00	
		Sample	
		2.44	
		17.4	
		RPD	
		3.69	
		RPD Lim	
		20.00	

Quality Control Batch: 10312843

Analyst: EVB		Blank	
Result	Units		
0.00000280	mg/L		
		Laboratory Control Sample	
0.000961	mg/L	Spike	%REC
		0.00100	96.08
		%REC Lim	
		80.00-120.00	
		Sample	
		0.0000702	
		%REC Lim	
		80.00-120.00	
		Sample	
		0.0000702	
		%REC Lim	
		80.00-120.00	
		Sample	
		0.0000702	
		RPD	
		1.30	
		RPD Lim	
		20.00	

Quality Control Batch: 10312844

Analyst: EVB		Blank	
Result	Units		
0.00000280	mg/L		
		Laboratory Control Sample	
0.000961	mg/L	Spike	%REC
		0.00100	96.08
		%REC Lim	
		80.00-120.00	



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl., Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10313158

Analyst: VLB					
Blank	Result	Units			
Chloride	4.00U	mg/L			
Laboratory Control Sample					
Chloride	54.1	Units	Spike	%REC	%REC Lim
		mg/L	50.0	108.24	80.00-120.00
Matrix Spike					
Chloride	181	Units	Spike	%REC	%REC Lim
		mg/L	100	102.93	80.00-120.00
Matrix Spike Duplicate					
Chloride	173	Units	Spike	%REC	%REC Lim
		mg/L	100	95.69	80.00-120.00
			Sample	Sample	RPD Lim
			77.7	77.7	20.00

Quality Control Batch: 10313166

Analyst: PLB					
Blank	Result	Units			
TDS	2.50U	mg/L			
Laboratory Control Sample					
TDS	1500	Units	Spike	%REC	%REC Lim
		mg/L	1500	100.13	50.00-150.00

Quality Control Batch: 10313891

Analyst: PCW					
Blank	Result	Units			
Ammonia (as N)	0.0100U	mg/L			



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	0.461	mg/L	0.500	92.20	85.00-115.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	0.938	mg/L	0.780	111.59	85.00-115.00	0.0676		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	0.903	mg/L	0.780	107.10	85.00-115.00	0.0676	3.80	20.00

Quality Control Batch: 10313926 Analyst: DLJ

Blank	Result	Units
1,2-Dibromoethane (EDB)	0.0100U	ug/L
Laboratory Control Sample	Result	Units
1,2-Dibromoethane (EDB)	0.227	ug/L
Matrix Spike	Result	Units
1,2-Dibromoethane (EDB)	0.206	ug/L
Matrix Spike Duplicate	Result	Units
1,2-Dibromoethane (EDB)	0.201	ug/L

Quality Control Batch: 10314019 Analyst: DLJ

Blank	Result	Units
1,2,3-Trichloropropane	0.0200U	ug/L
1,2-dibromo-3-chloropropane	0.0200U	ug/L
Laboratory Control Sample	Result	Units
1,2,3-Trichloropropane	0.270	ug/L
1,2-dibromo-3-chloropropane	0.261	ug/L



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane		0.402	ug/L	0.250	160.80	50.00-170.00	0.0200U	4.24	30.00
1,2-dibromo-3-chloropropane		0.240	ug/L	0.250	95.96	50.00-170.00	0.0200U	2.71	30.00
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane		0.419	ug/L	0.250	167.76	50.00-170.00	0.0200U	4.24	30.00
1,2-dibromo-3-chloropropane		0.247	ug/L	0.250	98.60	50.00-170.00	0.0200U	2.71	30.00

Quality Control Batch: 10314117

Analyst: EVB

Blank	Result	Units
Antimony	0.00200U	mg/L
Arsenic	0.00100U	mg/L
Barium	0.00200U	mg/L
Beryllium	0.000500U	mg/L
Cadmium	0.000200U	mg/L
Chromium	0.00100U	mg/L
Cobalt	0.00100U	mg/L
Copper	0.00100U	mg/L
Lead	0.00100U	mg/L
Nickel	0.00100U	mg/L
Selenium	0.00200U	mg/L
Silver	0.000500U	mg/L
Thallium	0.00100U	mg/L
Vanadium	0.00100U	mg/L
Zinc	0.0100U	mg/L

Laboratory Control Sample

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Antimony	0.101	mg/L	0.100	101.10	80.00-120.00
Arsenic	0.0974	mg/L	0.100	97.40	80.00-120.00
Barium	0.103	mg/L	0.100	102.50	80.00-120.00
Beryllium	0.103	mg/L	0.100	103.20	80.00-120.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

Quality Control Batch: 10314117 Analyst: EVB

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Cadmium	0.104	mg/L	0.100	103.60	80.00-120.00
Chromium	0.0978	mg/L	0.100	97.80	80.00-120.00
Cobalt	0.108	mg/L	0.100	107.60	80.00-120.00
Copper	0.100	mg/L	0.100	100.20	80.00-120.00
Lead	0.116	mg/L	0.100	116.40	80.00-120.00
Nickel	0.109	mg/L	0.100	108.50	80.00-120.00
Selenium	0.0938	mg/L	0.100	93.80	80.00-120.00
Silver	0.0890	mg/L	0.100	89.00	80.00-120.00
Thallium	0.112	mg/L	0.100	112.40	80.00-120.00
Vanadium	0.109	mg/L	0.100	108.80	80.00-120.00
Zinc	0.0989	mg/L	0.100	98.90	80.00-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0797	mg/L	0.100	79.70	75.00-125.00	0.00200U
Arsenic	0.127	mg/L	0.100	126.90	75.00-125.00	0.00100U
Barium	0.0923	mg/L	0.100	83.70	75.00-125.00	0.00860
Beryllium	0.0823	mg/L	0.100	82.30	75.00-125.00	0.000500U
Cadmium	0.0956	mg/L	0.100	95.60	75.00-125.00	0.000200U
Chromium	0.112	mg/L	0.100	112.00	75.00-125.00	0.00100U
Cobalt	0.110	mg/L	0.100	110.10	75.00-125.00	0.00100U
Copper	0.245	mg/L	0.100	93.90	75.00-125.00	0.151
Lead	0.0811	mg/L	0.100	81.10	75.00-125.00	0.00100U
Nickel	0.104	mg/L	0.100	100.50	75.00-125.00	0.00380
Selenium	0.103	mg/L	0.100	102.60	75.00-125.00	0.00200U
Silver	0.0827	mg/L	0.100	82.70	75.00-125.00	0.000500U
Thallium	0.0825	mg/L	0.100	82.50	75.00-125.00	0.00100U
Vanadium	0.125	mg/L	0.100	125.30	75.00-125.00	0.00100U
Zinc	0.567	mg/L	0.100	77.10	75.00-125.00	0.490



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299866

Matrix Spike Duplicate

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.0790	mg/L	0.100	79.00	75.00-125.00	0.00200U	0.88	20.00
Arsenic	0.128	mg/L	0.100	127.70	75.00-125.00	0.00100U	0.63	20.00
Barium	0.0909	mg/L	0.100	82.30	75.00-125.00	0.00860	1.53	20.00
Beryllium	0.0815	mg/L	0.100	81.50	75.00-125.00	0.000500U	0.98	20.00
Cadmium	0.0948	mg/L	0.100	94.80	75.00-125.00	0.000200U	0.84	20.00
Chromium	0.110	mg/L	0.100	109.80	75.00-125.00	0.00100U	1.98	20.00
Cobalt	0.113	mg/L	0.100	112.60	75.00-125.00	0.00100U	2.25	20.00
Copper	0.241	mg/L	0.100	89.70	75.00-125.00	0.151	1.73	20.00
Lead	0.0807	mg/L	0.100	80.70	75.00-125.00	0.00100U	0.49	20.00
Nickel	0.106	mg/L	0.100	102.60	75.00-125.00	0.00380	1.99	20.00
Selenium	0.102	mg/L	0.100	101.70	75.00-125.00	0.00200U	0.88	20.00
Silver	0.0817	mg/L	0.100	81.70	75.00-125.00	0.000500U	1.22	20.00
Thallium	0.0819	mg/L	0.100	81.90	75.00-125.00	0.00100U	0.73	20.00
Vanadium	0.128	mg/L	0.100	128.30	75.00-125.00	0.00100U	2.37	20.00
Zinc	0.586	mg/L	0.100	95.70	75.00-125.00	0.490	3.23	20.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299866

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. Results are reported on a wet weight basis.

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

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

Check Box That Applies To Your Location

☒ Flowers Chemical Laboratories, Inc.

481 Newburyport Ave.
Altamonte Springs, FL 32701
Bus: 407-339-5984
Fax: 407-260-6110

☐ Flowers Chemical Labs-South

West Park Industrial Plaza
571 N.W. Mercantile Pl., Ste. 111
Port St. Lucie, FL 34986
Bus: 772-343-8006
Fax: 772-343-8089

☐ Flowers Chemical Labs-North

812 S.W. Harvey Greene Dr.
Madison, FL 32340
Bus: 850-973-6878
Fax: 850-973-6878

☐ Flowers Chemical Labs-Keys

3980 Overseas Highway, Ste. 103
Marathon, FL 33050
Bus: 305-743-8598
Fax: 305-743-8598



DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY www.flowerslabs.com

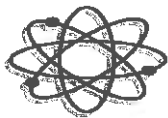
Client: **Atkins** Project Name: **Hardee County Landfill** P.O.#: **Same as previous Hardee Co.**
Address: **4030 West Bay Scout Boulevard, Suite 700** Client Contact: **Brad Bayne** FAX: **813-636-8583**
Tampa, FL 33607 FCL Project Manager: **June Flowers** E-MAIL: **bradley.bayne@atkinsglobal.com**
Phone: **813-281-8377** Requested Due Date: **10 Day Standard** OR **OR** Rush Charges May Apply
Sampled By (PRINT): **Bradley J. Bayne** Pick-Up Fee: \$ Vehicle Surcharge: \$ Sampling Fee: \$

Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COMMENTS		Total # Containers	
Date Sampled 5-26-16										ANALYSES REQUEST		PRESERVATIVES		COM			

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Report Summary

Date Received: May 26, 2016

FCL Project Manager: June S. Flowers

Laboratory #	Sample Description	Analysis	Chemist	Location	Sample Matrix
299768SW1	SW-2/21062	EPA245.1	EVB	Main Lab	Surface Water
		EPA351.2	VLB	Main Lab	
		EPA353.2	PCW	Main Lab	
		EPA365.4	VLB	Main Lab	
		EPA410.4	CTH	Main Lab	
		EPA6010	EVB	Main Lab	
		EPA6020	EVB	Main Lab	
		EPA8011	DLJ	Main Lab	
		EPA8260	CTH	Main Lab	
		FDEP DEP-SOP	PCW	Main Lab	
		FT1100	RJC	Main Lab	
		FT1200	RJC	Main Lab	
		FT1400	RJC	Main Lab	
		FT1500	RJC	Main Lab	
		FT1600	RJC	Main Lab	
		SM10200 H	ECG	Main Lab	
		SM2340 B	EVB	Main Lab	
		SM2540 C	PLB	Main Lab	
		SM2540 D	PLB	Main Lab	
		SM5210 B	CCP	Main Lab	
		SM5310 C	PCW	Main Lab	
		SM9222 D	TRB	Main Lab	
		TotNit			
299768SW2	Trip Blank1	EPA8260	CTH	Main Lab	Surface 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.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Analysis Report

Lab #: 299768SW1 Sampled: 05/26/16 08:55 AM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Total Nitrogen(as N)	1.91		0				TotNit	17778-88-0	06/13/16
Unionized NH3(as N)	0.000153	I					FDEP DEP-SOF		06/01/16
Chemical Oxygen Demand	77.1	mg/L	1.00	20.0	40.0	10274203	EPA410.4	C-004	05/26/16
Nitrate(as N)	0.0100	U	1.00	0.0100	0.0200	10312605	EPA353.2	14797-55-8	03:38 PM
Nitrite(as N)	0.0200	U	1.00	0.0200	0.0400	10312605	EPA353.2	14797-65-0	03:38 PM
TDS	600	mg/L	1.00	2.50	5.00	10312886	SM2540 C	10-33-3	05/27/16
Fecal Coliform	6.00	cfu/100mL	1.00	1.00	1.00	10312700	SM9222 D	E761792	05/26/16
Total Hardness (as CaCO3)	132	mg/L	1.00	0.100	0.200	10312748	SM2340 B	40-11-9	05/26/16
1,1,1,2-Tetrachloroethane	0.500	U	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500	U	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100	U	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500	U	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500	U	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500	U	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500	U	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200	U	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500	U	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500	U	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00	U	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300	U	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500	U	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100	U	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100	U	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500	U	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500	U	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00	U	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500	U	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Lab #: 299768SW1 Sampled: 05/26/16 08:55 AM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	103.27%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Surr:Bromofluorobenzene (50-170%)	99.87%		1.00	1.00	1.00	10312813	EPA8260	460-00-4	05/31/16
Surr:Toluene-d8 (50-170%)	103.33%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
TOC	28.1	mg/L	1.00	1.00	2.00	10312823	SM5310 C	E701250	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Lab #: 299768SW1 Sampled: 05/26/16 08:55 AM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Mercury	0.000200 U	mg/L	1.00	0.000200	0.000400	10312841	EPA245.1	7439-97-6	06/01/16
BOD5day	2.54	mg/L	1.00	2.00	2.00	10312891	SM5210 B	E1640606	05/27/16
TSS	16.5	mg/L	1.00	1.00	2.00	10312929	SM2540 D	E1642818	06/01/16
Total Phosphorus(as P)	1.02	mg/L	1.00	0.0400	0.100	10312991	EPA365.4	7723-14-0	06/02/16
Chlorophyll a	7.84	ug/L	1.00	0.0200	0.150	10313097	SM10200 H	479-61-8	06/03/16
Field pH (units)	7.03	pH	1.00	0.0100	0.0200	10313259	FT1100	C006	05/26/16
Field Conductivity	444	umhos/cm	1.00	0.100	0.100	10313260	FT1200		05/26/16
Field Temp. (C)	23.1	oC	1.00	0.100	0.100	10313261	FT1400		05/26/16
Field DO	1.43	mg/L	1.00	0.100	0.100	10313262	FT1500		05/26/16
Field Turbidity	8.85	NTU	1.00	0.100	0.100	10313263	FT1600		05/26/16
TKN(as N)	1.90	mg/L	1.00	0.200	0.400	10313603	EPA351.2	7727-37-9	06/02/16
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10313926	EPA8011	106-93-4	06/02/16
Iron	0.785	mg/L	1.00	0.0100	0.0200	10313928	EPA6010	7439-89-6	05/26/16
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	096-18-4	06/02/16
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10314019	EPA8011	96-12-8	06/02/16
Aluminum	0.0571	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7429-90-5	06/15/16
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10314117	EPA6020	7440-36-0	06/15/16
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-38-2	06/15/16
Barium	0.00840	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7440-39-3	06/15/16
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-41-7	06/15/16
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10314117	EPA6020	7440-43-9	06/15/16
Chromium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-47-3	06/15/16
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-48-4	06/15/16
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-50-8	06/15/16
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7439-92-1	06/15/16
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-02-0	06/15/16
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10314117	EPA6020	7782-49-2	06/15/16
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10314117	EPA6020	7440-22-4	06/15/16
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-28-0	06/15/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

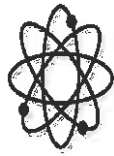
Jun 16, 2016; Invoice: 299768

Lab #: 299768SW1 Sampled: 05/26/16 08:55 AM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Vanadium	0.00130 I	mg/L	1.00	0.00100	0.00200	10314117	EPA6020	7440-62-2	06/15/16
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10314117	EPA6020	7440-66-6	06/15/16

Lab #: 299768SW2 Sampled: 05/26/16 12:00 AM Desc: Trip Blank1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	630-20-6	05/31/16
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-55-6	05/31/16
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	79-34-5	05/31/16
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-00-5	05/31/16
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-34-3	05/31/16
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-35-4	05/31/16
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10312813	EPA8260	107-06-2	05/31/16
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	78-87-5	05/31/16
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	78-93-3	05/31/16
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	591-78-6	05/31/16
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10312813	EPA8260	67-64-1	05/31/16
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10312813	EPA8260	107-13-1	05/31/16
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	71-43-2	05/31/16
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10312813	EPA8260	074-97-5	05/31/16
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10312813	EPA8260	75-27-4	05/31/16
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-25-2	05/31/16
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-83-9	05/31/16
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-15-0	05/31/16
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	56-23-5	05/31/16
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-90-7	05/31/16
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-00-3	05/31/16
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	67-66-3	05/31/16
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	74-87-3	05/31/16
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10312813	EPA8260	124-48-1	05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Lab #: 299768SW2 Sampled: 05/26/16 12:00 AM Desc: Trip Blank1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	074-95-3	05/31/16
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-41-4	05/31/16
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	074-88-4	05/31/16
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	108-10-1	05/31/16
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	75-09-2	05/31/16
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	106-46-7	05/31/16
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	100-42-5	05/31/16
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	127-18-4	05/31/16
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	108-88-3	05/31/16
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	79-01-6	05/31/16
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-69-4	05/31/16
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	20.0	10312813	EPA8260	108-05-4	05/31/16
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	75-01-4	05/31/16
Xylenes	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	1330-20-7	05/31/16
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10312813	EPA8260	156-59-2	05/31/16
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-01-5	05/31/16
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	95-50-1	05/31/16
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	156-60-5	05/31/16
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10312813	EPA8260	10061-02-6	05/31/16
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10312813	EPA8260	110-57-6	05/31/16
Surr:1,2-Dichloroethane-d4 (50-170%)	101.27%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16
Surr:Bromofluorobenzene (50-170%)	100.13%		1.00	1.00	1.00	10312813	EPA8260	460-00-4	05/31/16
Surr:Toluene-d8 (50-170%)	101.83%		1.00	0.0100	0.0100	10312813	EPA8260		05/31/16



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl., Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Report

Quality Control Batch: 10274203 **Analyst: PCW**
Blank
Unionized NH3(as N) **Result** **Units**
0.000100U mg/L

Quality Control Batch: 10282904 **Analyst: CTH**
Blank
Chemical Oxygen Demand **Result** **Units**
20.0U mg/L

Laboratory Control Sample
Chemical Oxygen Demand **Result** **Units**
205 mg/L

Matrix Spike
Chemical Oxygen Demand **Result** **Units**
623 mg/L

Matrix Spike Duplicate
Chemical Oxygen Demand **Result** **Units**
621 mg/L

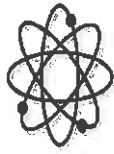
Quality Control Batch: 10312605 **Analyst: PCW**
Blank
Nitrate(as N) **Result** **Units**
0.0100U mg/L
Nitrite(as N) 0.0200U mg/L

Laboratory Control Sample
Nitrate(as N) **Result** **Units**
0.940 mg/L
Nitrite(as N) 1.00 mg/L

Matrix Spike
Nitrite(as N) **Result** **Units**
4.53 mg/L

%REC **%REC Lim** **Spike** **%REC** **%REC Lim** **Sample** **RPD** **RPD Lim**
102.50 80.00-120.00 200 102.50 80.00-120.00 418 0.29 20.00
102.43 80.00-120.00 200 102.43 80.00-120.00 418 0.29 20.00
101.52 80.00-120.00 200 101.52 80.00-120.00 418 0.29 20.00

%REC **%REC Lim** **Spike** **%REC** **%REC Lim** **Sample** **RPD** **RPD Lim**
94.00 85.00-115.00 1.00 94.00 85.00-115.00 0.0154 0.0154 20.00
100.00 85.00-115.00 1.00 100.00 85.00-115.00 0.0154 0.0154 20.00
112.87 85.00-115.00 4.00 112.87 85.00-115.00 0.0154 0.0154 20.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312605		Analyst: PCW							
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD		RPD Lim
Nitrite(as N)	4.55	mg/L	4.00	113.37	85.00-115.00	0.0154	0.44		20.00
Quality Control Batch: 10312686		Analyst: PLB							
Blank	Result	Units							
TDS	2.50U	mg/L							
Laboratory Control Sample									
TDS	Result	Units	Spike	%REC	%REC Lim				
	1450	mg/L	1500	96.53	50.00-150.00				
Quality Control Batch: 10312700		Analyst: TRB							
Blank	Result	Units							
Fecal Coliform	1.00U	cfu/100mL							
Quality Control Batch: 10312748		Analyst: EVB							
Blank	Result	Units							
Total Hardness (as CaCO3)	0.100U	mg/L							
Quality Control Batch: 10312813		Analyst: CTH							
Blank	Result	Units							
Acetone	5.00U	ug/L							
Acrylonitrile	0.300U	ug/L							
Benzene	0.500U	ug/L							
Bromochloromethane	0.100U	ug/L							
Bromodichloromethane	0.100U	ug/L							
Bromoform	0.500U	ug/L							
Bromomethane	0.500U	ug/L							



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312813

Analyst: CTH

Blank	Result	Units
Carbon Disulfide	1.00U	ug/L
Carbon Tetrachloride	0.500U	ug/L
Chlorobenzene	0.500U	ug/L
Chloroethane	0.500U	ug/L
Chloroform	0.500U	ug/L
Chloromethane	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
Dibromochloromethane	0.400U	ug/L
Dibromomethane	0.500U	ug/L
Ethylbenzene	0.500U	ug/L
Methyl Iodide	1.00U	ug/L
Methyl isobutyl ketone	1.00U	ug/L
Methylene chloride	1.00U	ug/L
o-dichlorobenzene	0.500U	ug/L
Para-dichlorobenzene	0.500U	ug/L
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	ug/L
trans-1,2-dichloroethene	0.500U	ug/L
trans-1,3-Dichloropropene	0.500U	ug/L
trans-1,4-dichloro-2-butene	1.00U	ug/L
Trichloroethene	0.500U	ug/L
Trichlorofluoromethane	0.500U	ug/L
Vinyl Acetate	10.0U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	1.00U	ug/L
1,1,1,2-Tetrachloroethane	0.500U	ug/L
1,1,1-Trichloroethane	0.500U	ug/L



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

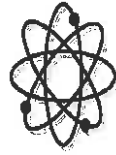
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312813 Analyst: CTH

Blank	Result	Units
1,1,2,2-Tetrachloroethane	0.100U	ug/L
1,1,2-Trichloroethane	0.500U	ug/L
1,1-Dichloroethane	0.500U	ug/L
1,1-Dichloroethene	0.500U	ug/L
1,2-dichloroethane	0.500U	ug/L
1,2-dichloropropane	0.200U	ug/L
2-Butanone (MEK)	0.500U	ug/L
2-Hexanone	0.500U	ug/L
Surr:Bromofluorobenzene	29.9	ug/L
Surr:Toluene-d8	30.4	ug/L
Surr:1,2-Dichloroethane-d4	31.2	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Acetone	35.1	ug/L	40.0	87.82	50.00-170.00
Acrylonitrile	43.8	ug/L	40.0	109.48	50.00-170.00
Benzene	44.4	ug/L	40.0	110.88	50.00-170.00
Bromochloromethane	44.1	ug/L	40.0	110.22	50.00-170.00
Bromodichloromethane	46.4	ug/L	40.0	116.05	50.00-170.00
Bromoform	48.5	ug/L	40.0	121.25	50.00-170.00
Bromomethane	55.8	ug/L	40.0	139.38	50.00-170.00
Carbon Disulfide	43.1	ug/L	40.0	107.62	50.00-170.00
Carbon Tetrachloride	51.7	ug/L	40.0	129.17	50.00-170.00
Chlorobenzene	43.3	ug/L	40.0	108.30	50.00-170.00
Chloroethane	56.4	ug/L	40.0	140.88	50.00-170.00
Chloroform	44.9	ug/L	40.0	112.35	50.00-170.00
Chloromethane	39.4	ug/L	40.0	98.42	50.00-170.00
cis-1,2-dichloroethene	43.8	ug/L	40.0	109.48	50.00-170.00
cis-1,3-Dichloropropene	46.3	ug/L	40.0	115.83	50.00-170.00
Dibromochloromethane	45.7	ug/L	40.0	114.32	50.00-170.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312813 Analyst: CTH

Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
Dibromomethane	43.1	ug/L	40.0	107.72	50.00-170.00
Ethylbenzene	45.9	ug/L	40.0	114.78	50.00-170.00
Methyl Iodide	46.6	ug/L	40.0	116.60	50.00-170.00
Methyl isobutyl ketone	43.0	ug/L	40.0	107.57	50.00-170.00
Methylene chloride	42.5	ug/L	40.0	106.25	50.00-170.00
o-dichlorobenzene	42.2	ug/L	40.0	105.43	50.00-170.00
Para-dichlorobenzene	33.8	ug/L	40.0	84.48	50.00-170.00
Styrene	45.0	ug/L	40.0	112.55	50.00-170.00
Tetrachloroethene	44.3	ug/L	40.0	110.68	50.00-170.00
Toluene	42.3	ug/L	40.0	105.62	50.00-170.00
trans-1,2-dichloroethene	44.2	ug/L	40.0	110.40	50.00-170.00
trans-1,3-Dichloropropene	44.9	ug/L	40.0	112.18	50.00-170.00
Trichloroethene	46.3	ug/L	40.0	115.80	50.00-170.00
Trichlorofluoromethane	50.5	ug/L	40.0	126.25	50.00-170.00
Vinyl chloride	45.4	ug/L	40.0	113.60	50.00-170.00
Xylenes	128	ug/L	120	106.55	50.00-170.00
1,1,1,2-Tetrachloroethane	44.9	ug/L	40.0	112.22	50.00-170.00
1,1,1-Trichloroethane	50.3	ug/L	40.0	125.65	50.00-170.00
1,1,2,2-Tetrachloroethane	42.0	ug/L	40.0	105.10	50.00-170.00
1,1,2-Trichloroethane	42.5	ug/L	40.0	106.12	50.00-170.00
1,1-Dichloroethane	46.7	ug/L	40.0	116.62	50.00-170.00
1,1-Dichloroethene	48.8	ug/L	40.0	122.00	50.00-170.00
1,2-dichloroethane	46.1	ug/L	40.0	115.23	50.00-170.00
1,2-dichloropropane	44.0	ug/L	40.0	110.10	50.00-170.00
2-Butanone (MEK)	36.4	ug/L	40.0	90.95	50.00-170.00
2-Hexanone	41.3	ug/L	40.0	103.20	50.00-170.00
Surr:Bromofluorobenzene	29.1	ug/L	30.0	97.00	50.00-170.00
Surr:Toluene-d8	29.7	ug/L	30.0	99.10	50.00-170.00
Surr:1,2-Dichloroethane-d4	30.8	ug/L	30.0	102.63	50.00-170.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312813 Analyst: CTH

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Acetone	25.1	ug/L	20.0	125.25	50.00-170.00	5.00U
Acrylonitrile	21.8	ug/L	20.0	108.85	50.00-170.00	0.300U
Benzene	22.3	ug/L	20.0	111.35	50.00-170.00	0.500U
Bromochloromethane	20.9	ug/L	20.0	104.30	50.00-170.00	0.100U
Bromodichloromethane	23.2	ug/L	20.0	116.15	50.00-170.00	0.100U
Bromoform	21.6	ug/L	20.0	108.15	50.00-170.00	0.500U
Bromomethane	30.9	ug/L	20.0	154.30	50.00-170.00	0.500U
Carbon Tetrachloride	26.2	ug/L	20.0	131.10	50.00-170.00	0.500U
Chlorobenzene	20.7	ug/L	20.0	103.40	50.00-170.00	0.500U
Chloroethane	28.6	ug/L	20.0	143.00	50.00-170.00	0.500U
Chloroform	22.6	ug/L	20.0	113.15	50.00-170.00	0.500U
Chloromethane	18.5	ug/L	20.0	92.60	50.00-170.00	0.500U
cis-1,2-dichloroethene	22.3	ug/L	20.0	111.55	50.00-170.00	0.200U
cis-1,3-Dichloropropene	22.7	ug/L	20.0	113.30	50.00-170.00	0.500U
Dibromochloromethane	22.0	ug/L	20.0	109.90	50.00-170.00	0.400U
Dibromomethane	20.9	ug/L	20.0	104.55	50.00-170.00	0.500U
Ethylbenzene	22.2	ug/L	20.0	110.85	50.00-170.00	0.500U
Methyl Iodide	30.7	ug/L	20.0	153.65	50.00-170.00	1.00U
Methyl isobutyl ketone	22.3	ug/L	20.0	111.60	50.00-170.00	1.00U
Methylene chloride	21.4	ug/L	20.0	107.20	50.00-170.00	1.00U
o-dichlorobenzene	19.6	ug/L	20.0	98.10	50.00-170.00	0.500U
Para-dichlorobenzene	15.8	ug/L	20.0	78.95	50.00-170.00	0.500U
Styrene	20.9	ug/L	20.0	104.30	50.00-170.00	0.500U
Tetrachloroethene	21.8	ug/L	20.0	108.85	50.00-170.00	0.500U
Toluene	20.6	ug/L	20.0	102.75	50.00-170.00	0.500U
trans-1,2-dichloroethene	22.9	ug/L	20.0	114.60	50.00-170.00	0.500U
trans-1,3-Dichloropropene	21.9	ug/L	20.0	109.45	50.00-170.00	0.500U
Trichloroethene	23.3	ug/L	20.0	116.70	50.00-170.00	0.500U
Trichlorofluoromethane	25.4	ug/L	20.0	127.20	50.00-170.00	0.500U



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312813

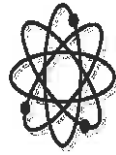
Analyst: CTH

Matrix Spike

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Vinyl chloride	23.1	ug/L	20.0	115.50	50.00-170.00	0.500U
Xylenes	60.4	ug/L	60.0	100.63	50.00-170.00	1.00U
1,1,1,2-Tetrachloroethane	21.5	ug/L	20.0	107.40	50.00-170.00	0.500U
1,1,1-Trichloroethane	24.8	ug/L	20.0	123.75	50.00-170.00	0.500U
1,1,2,2-Tetrachloroethane	19.5	ug/L	20.0	97.50	50.00-170.00	0.100U
1,1,2-Trichloroethane	19.6	ug/L	20.0	98.10	50.00-170.00	0.500U
1,1-Dichloroethane	23.0	ug/L	20.0	115.00	50.00-170.00	0.500U
1,1-Dichloroethene	25.5	ug/L	20.0	127.55	50.00-170.00	0.500U
1,2-dichloroethane	22.8	ug/L	20.0	113.75	50.00-170.00	0.500U
1,2-dichloropropane	21.6	ug/L	20.0	107.75	50.00-170.00	0.200U
2-Butanone (MEK)	23.0	ug/L	20.0	114.80	50.00-170.00	0.500U
2-Hexanone	21.1	ug/L	20.0	105.70	50.00-170.00	0.500U
Surr:Bromofluorobenzene	29.0	ug/L	30.0	96.60	50.00-170.00	
Surr:Toluene-d8	30.6	ug/L	30.0	102.10	50.00-170.00	
Surr:1,2-Dichloroethane-d4	31.1	ug/L	30.0	103.53	50.00-170.00	

Matrix Spike Duplicate

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Acetone	22.6	ug/L	20.0	113.00	50.00-170.00	5.00U	10.28	30.00
Acrylonitrile	21.5	ug/L	20.0	107.25	50.00-170.00	0.300U	1.48	30.00
Benzene	22.4	ug/L	20.0	111.90	50.00-170.00	0.500U	0.49	30.00
Bromochloromethane	21.0	ug/L	20.0	105.00	50.00-170.00	0.100U	0.67	30.00
Bromodichloromethane	23.2	ug/L	20.0	116.05	50.00-170.00	0.100U	0.09	30.00
Bromoform	21.7	ug/L	20.0	108.30	50.00-170.00	0.500U	0.14	30.00
Bromomethane	33.3	ug/L	20.0	166.60	50.00-170.00	0.500U	7.67	30.00
Carbon Tetrachloride	25.9	ug/L	20.0	129.30	50.00-170.00	0.500U	1.38	30.00
Chlorobenzene	20.8	ug/L	20.0	103.75	50.00-170.00	0.500U	0.34	30.00
Chloroethane	29.0	ug/L	20.0	145.20	50.00-170.00	0.500U	1.53	30.00
Chloroform	22.2	ug/L	20.0	110.90	50.00-170.00	0.500U	2.01	30.00
Chloromethane	18.8	ug/L	20.0	94.10	50.00-170.00	0.500U	1.61	30.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Miramar, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

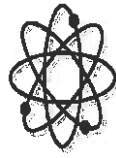
PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312813

Analyst: CTH

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
cis-1,2-dichloroethene	21.8	ug/L	20.0	109.15	50.00-170.00	0.200U	2.17	30.00
cis-1,3-Dichloropropene	22.8	ug/L	20.0	113.85	50.00-170.00	0.500U	0.48	30.00
Dibromochloromethane	21.7	ug/L	20.0	108.40	50.00-170.00	0.400U	1.37	30.00
Dibromomethane	21.3	ug/L	20.0	106.55	50.00-170.00	0.500U	1.89	30.00
Ethylbenzene	21.7	ug/L	20.0	108.45	50.00-170.00	0.500U	2.19	30.00
Methyl Iodide	32.2	ug/L	20.0	161.10	50.00-170.00	1.00U	4.73	30.00
Methyl isobutyl ketone	22.6	ug/L	20.0	112.75	50.00-170.00	1.00U	1.03	30.00
Methylene chloride	21.5	ug/L	20.0	107.30	50.00-170.00	1.00U	0.09	30.00
o-dichlorobenzene	19.8	ug/L	20.0	99.20	50.00-170.00	0.500U	1.12	30.00
Para-dichlorobenzene	16.0	ug/L	20.0	80.20	50.00-170.00	0.500U	1.57	30.00
Styrene	20.9	ug/L	20.0	104.45	50.00-170.00	0.500U	0.14	30.00
Tetrachloroethene	21.7	ug/L	20.0	108.35	50.00-170.00	0.500U	0.46	30.00
Toluene	20.2	ug/L	20.0	101.20	50.00-170.00	0.500U	1.52	30.00
trans-1,2-dichloroethene	22.8	ug/L	20.0	113.95	50.00-170.00	0.500U	0.57	30.00
trans-1,3-Dichloropropene	21.4	ug/L	20.0	106.75	50.00-170.00	0.500U	2.50	30.00
Trichloroethene	23.6	ug/L	20.0	117.85	50.00-170.00	0.500U	0.98	30.00
Trichlorofluoromethane	25.3	ug/L	20.0	126.70	50.00-170.00	0.500U	0.39	30.00
Vinyl chloride	23.3	ug/L	20.0	116.55	50.00-170.00	0.500U	0.90	30.00
Xylenes	60.3	ug/L	60.0	100.53	50.00-170.00	1.00U	0.10	30.00
1,1,1,2-Tetrachloroethane	21.2	ug/L	20.0	105.80	50.00-170.00	0.500U	1.50	30.00
1,1,1-Trichloroethane	24.4	ug/L	20.0	122.20	50.00-170.00	0.500U	1.26	30.00
1,1,2,2-Tetrachloroethane	19.1	ug/L	20.0	95.60	50.00-170.00	0.100U	1.97	30.00
1,1,2-Trichloroethane	19.4	ug/L	20.0	96.90	50.00-170.00	0.500U	1.23	30.00
1,1-Dichloroethane	23.0	ug/L	20.0	115.10	50.00-170.00	0.500U	0.09	30.00
1,1-Dichloroethene	25.5	ug/L	20.0	127.40	50.00-170.00	0.500U	0.12	30.00
1,2-dichloroethane	22.7	ug/L	20.0	113.30	50.00-170.00	0.500U	0.40	30.00
1,2-dichloropropane	22.3	ug/L	20.0	111.65	50.00-170.00	0.200U	3.56	30.00
2-Butanone (MEK)	21.5	ug/L	20.0	107.65	50.00-170.00	0.500U	6.43	30.00
2-Hexanone	21.2	ug/L	20.0	106.20	50.00-170.00	0.500U	0.47	30.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312813 Analyst: CTH

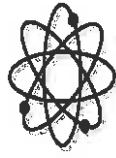
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Surr:Bromofluorobenzene	28.7	ug/L	30.0	95.80	50.00-170.00		0.83	30.00
Surr:Toluene-d8	30.9	ug/L	30.0	102.87	50.00-170.00		0.75	30.00
Surr:1,2-Dichloroethane-d4	32.0	ug/L	30.0	106.53	50.00-170.00		2.86	30.00

Quality Control Batch: 10312823 Analyst: PCW

Blank	Result	Units						
TOC	1.00U	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
TOC	10.8	mg/L	10.0	107.56	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
TOC	22.3	mg/L	10.0	107.84	80.00-120.00	11.5		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
TOC	19.6	mg/L	10.0	80.75	80.00-120.00	11.5	12.95	20.00

Quality Control Batch: 10312841 Analyst: EVB

Blank	Result	Units						
Mercury	0.00000280	mg/L						
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim			
Mercury	0.0000961	mg/L	0.00100	96.08	80.00-120.00			
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample		
Mercury	0.00295	mg/L	0.00300	95.96	80.00-120.00	0.0000702		
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury	0.00291	mg/L	0.00300	94.69	80.00-120.00	0.0000702	1.30	20.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Akamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10312891

Analyst: CCP

Blank	Result	Units
BOD5day	2.00U	mg/L

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
168	mg/L	198	84.75	85.00-115.00

Quality Control Batch: 10312929

Analyst: PLB

Blank	Result	Units
TSS	1.00U	mg/L

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
80.0	mg/L	84.0	95.24	50.00-150.00

Quality Control Batch: 10312991

Analyst: VLB

Blank	Result	Units
Total Phosphorus(as P)	0.0400U	mg/L

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
1.51	mg/L	1.50	100.67	85.00-115.00

Matrix Spike

Result	Units	Spike	%REC	%REC Lim	Sample
2.31	mg/L	1.50	97.36	85.00-115.00	0.849

Matrix Spike Duplicate

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
2.31	mg/L	1.50	97.15	85.00-115.00	0.849	0.14	20.00

Quality Control Batch: 10313097

Analyst: ECG

Blank	Result	Units
-------	--------	-------



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10313097 Analyst: ECG
Blank Result 14.7 Units
Chlorophyll a ug/L

Quality Control Batch: 10313603 Analyst: VLB
Blank Result 0.200U Units
TKN(as N) mg/L

Laboratory Control Sample
TKN(as N) Result 2.92 Units
Spike 3.00 mg/L
%REC 97.18 %REC Lim 80.00-120.00

Matrix Spike
TKN(as N) Result 2.81 Units
Spike 3.00 mg/L
%REC 85.82 %REC Lim 80.00-120.00
Sample 0.236

Matrix Spike Duplicate
TKN(as N) Result 2.85 Units
Spike 3.00 mg/L
%REC 86.97 %REC Lim 80.00-120.00
Sample 0.236 RPD 1.22 RPD Lim 20.00

Quality Control Batch: 10313926 Analyst: DLJ
Blank Result 0.0100U Units
1,2-Dibromoethane (EDB) ug/L

Laboratory Control Sample
1,2-Dibromoethane (EDB) Result 0.227 Units
Spike 0.250 ug/L
%REC 90.96 %REC Lim 50.00-170.00

Matrix Spike
Result Units
Spike %REC %REC Lim Sample



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10313926		Analyst: DLJ					
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample
1,2-Dibromoethane (EDB)		0.206	ug/L	0.250	82.28	50.00-170.00	0.0100U
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample
1,2-Dibromoethane (EDB)		0.201	ug/L	0.250	80.40	50.00-170.00	0.0100U
							RPD
							2.31
							RPD Lim
							30.00
Quality Control Batch: 10313928		Analyst: EVB					
Blank		Result	Units				
Iron		0.0100U	mg/L				
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim	
Iron		5.16	mg/L	5.00	103.11	80.00-120.00	
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample
Iron		5.31	mg/L	5.00	105.91	75.00-125.00	0.0132
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample
Iron		5.11	mg/L	5.00	101.99	75.00-125.00	0.0132
							RPD
							3.76
							RPD Lim
							20.00
Quality Control Batch: 10314019		Analyst: DLJ					
Blank		Result	Units				
1,2,3-Trichloropropane		0.0200U	ug/L				
1,2-dibromo-3-chloropropane		0.0200U	ug/L				
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim	
1,2,3-Trichloropropane		0.270	ug/L	0.250	108.00	50.00-170.00	
1,2-dibromo-3-chloropropane		0.261	ug/L	0.250	104.20	50.00-170.00	
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample
1,2,3-Trichloropropane		0.402	ug/L	0.250	160.80	50.00-170.00	0.0200U



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10314019 Analyst: DLJ

Matrix Spike

1,2-dibromo-3-chloropropane

Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
0.240	ug/L	0.250	95.96	50.00-170.00	0.0200U	4.24	30.00
0.247	ug/L	0.250	98.60	50.00-170.00	0.0200U	2.71	30.00

Matrix Spike Duplicate

1,2,3-Trichloropropane
1,2-dibromo-3-chloropropane

Quality Control Batch: 10314117 Analyst: EVB

Blank

Result	Units
0.0100U	mg/L
0.00200U	mg/L
0.00100U	mg/L
0.00200U	mg/L
0.000500U	mg/L
0.000200U	mg/L
0.00100U	mg/L
0.00100U	mg/L
0.00100U	mg/L
0.00100U	mg/L
0.00100U	mg/L
0.00200U	mg/L
0.000500U	mg/L
0.00100U	mg/L
0.00100U	mg/L
0.0100U	mg/L

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
0.101	mg/L	0.100	101.40	80.00-120.00
0.101	mg/L	0.100	101.10	80.00-120.00
0.0974	mg/L	0.100	97.40	80.00-120.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597 Phone: 407-339-5984 E83018 (Main Lab)
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986 Phone: 772-343-8006 E86562 (South Lab)
812 SW Harvey Green Dr, Madison, FL 32340 Phone: 850-973-6878 E82405 (North Lab)
3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10314117 Analyst: EVB

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Barium	0.103	mg/L	0.100	102.50	80.00-120.00
Beryllium	0.103	mg/L	0.100	103.20	80.00-120.00
Cadmium	0.104	mg/L	0.100	103.60	80.00-120.00
Chromium	0.0978	mg/L	0.100	97.80	80.00-120.00
Cobalt	0.108	mg/L	0.100	107.60	80.00-120.00
Copper	0.100	mg/L	0.100	100.20	80.00-120.00
Lead	0.116	mg/L	0.100	116.40	80.00-120.00
Nickel	0.109	mg/L	0.100	108.50	80.00-120.00
Selenium	0.0938	mg/L	0.100	93.80	80.00-120.00
Silver	0.0890	mg/L	0.100	89.00	80.00-120.00
Thallium	0.112	mg/L	0.100	112.40	80.00-120.00
Vanadium	0.109	mg/L	0.100	108.80	80.00-120.00
Zinc	0.0989	mg/L	0.100	98.90	80.00-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Aluminum	0.0626	mg/L	0.100	62.60	75.00-125.00	0.0100U
Antimony	0.0797	mg/L	0.100	79.70	75.00-125.00	0.00200U
Arsenic	0.127	mg/L	0.100	126.90	75.00-125.00	0.00100U
Barium	0.0923	mg/L	0.100	83.70	75.00-125.00	0.00860
Beryllium	0.0823	mg/L	0.100	82.30	75.00-125.00	0.000500U
Cadmium	0.0956	mg/L	0.100	95.60	75.00-125.00	0.000200U
Chromium	0.112	mg/L	0.100	112.00	75.00-125.00	0.00100U
Cobalt	0.110	mg/L	0.100	110.10	75.00-125.00	0.00100U
Copper	0.245	mg/L	0.100	93.90	75.00-125.00	0.151
Lead	0.0811	mg/L	0.100	81.10	75.00-125.00	0.00100U
Nickel	0.104	mg/L	0.100	100.50	75.00-125.00	0.00380
Selenium	0.103	mg/L	0.100	102.60	75.00-125.00	0.00200U
Silver	0.0827	mg/L	0.100	82.70	75.00-125.00	0.000500U
Thallium	0.0825	mg/L	0.100	82.50	75.00-125.00	0.00100U



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa

4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612

Client Project #: Hardee County Regional Landfill

Date Sampled: May 26, 2016

Jun 16, 2016; Invoice: 299768

Quality Control Batch: 10314117

Analyst: EVB

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD Lim
Vanadium	0.125	mg/L	0.100	125.30	75.00-125.00	0.00100U	20.00
Zinc	0.567	mg/L	0.100	77.10	75.00-125.00	0.490	20.00

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Aluminum	0.0612	mg/L	0.100	61.20	75.00-125.00	0.0100U	2.26	20.00
Antimony	0.0790	mg/L	0.100	79.00	75.00-125.00	0.00200U	0.88	20.00
Arsenic	0.128	mg/L	0.100	127.70	75.00-125.00	0.00100U	0.63	20.00
Barium	0.0909	mg/L	0.100	82.30	75.00-125.00	0.00860	1.53	20.00
Beryllium	0.0815	mg/L	0.100	81.50	75.00-125.00	0.000500U	0.98	20.00
Cadmium	0.0948	mg/L	0.100	94.80	75.00-125.00	0.000200U	0.84	20.00
Chromium	0.110	mg/L	0.100	109.80	75.00-125.00	0.00100U	1.98	20.00
Cobalt	0.113	mg/L	0.100	112.60	75.00-125.00	0.00100U	2.25	20.00
Copper	0.241	mg/L	0.100	89.70	75.00-125.00	0.151	1.73	20.00
Lead	0.0807	mg/L	0.100	80.70	75.00-125.00	0.00100U	0.49	20.00
Nickel	0.106	mg/L	0.100	102.60	75.00-125.00	0.00380	1.99	20.00
Selenium	0.102	mg/L	0.100	101.70	75.00-125.00	0.00200U	0.88	20.00
Silver	0.0817	mg/L	0.100	81.70	75.00-125.00	0.000500U	1.22	20.00
Thallium	0.0819	mg/L	0.100	81.90	75.00-125.00	0.00100U	0.73	20.00
Vanadium	0.128	mg/L	0.100	128.30	75.00-125.00	0.00100U	2.37	20.00
Zinc	0.586	mg/L	0.100	95.70	75.00-125.00	0.490	3.23	20.00



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715 0597
571 NW Mercantile Pl, Suite 111, Port St. Lucie, FL 34986
812 SW Harvey Green Dr, Madison, FL 32340
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

Phone: 407-339-5984 E83018 (Main Lab)
Phone: 772-343-8006 E86562 (South Lab)
Phone: 850-973-6878 E82405 (North Lab)
Phone: 305-743-8598 E35834 (Keys Lab)

Atkins-Tampa
4030 W. Boy Scout Blvd, Ste 700
Tampa, FL 33607

PO #: 40612
Client Project #: Hardee County Regional Landfill
Date Sampled: May 26, 2016
Jun 16, 2016; Invoice: 299768

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. Results are reported on a wet weight basis.

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

Qualifier	Meaning
U	Compound was analyzed for but not detected.
J	Estimated value; one or more QC components associated with this data value exceed current QC limits.
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.
W	The dissolved oxygen blank was above 0.2 mg/L but less than the MDL.
Z	Too numerous to count colonies on plate.
A	Absent
P	Present
T	Value reported is less than the statistical method detection limit. Reported for informational purposes only.
M	Value reported is greater than the statistical method detection limit, but less than the reported MDL.
G	The greatest of the dilutions performed did not yield sufficient oxygen depletion for valid data.
S	The least of the dilutions performed did not yield sufficient oxygen residual for valid data.
O	Result is greater than (over) the specified value.
I	Reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
B	Results based upon colony plate count outside ideal range.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.



Flowers Chemical Laboratories, Inc.



Flowers Chemical Labs-South



Flowers Chemical Labs-North



Flowers Chemical Labs-Keys

481 Newburyport Ave.
Altamonte Springs, FL 32701
Bus: 407-339-5984
Fax: 407-260-6110

West Park Industrial Plaza
571 N.W. Mercantile Pl., Ste. 111
Port St. Lucie, FL 34986
Bus: 772-343-8006
Fax: 772-343-8089

812 S.W. Harvey Greene Dr.
Madison, FL 32340
Bus: 850-973-6878
Fax: 850-973-6878

3980 Overseas Highway, Ste. 103
Marathon, FL 33050
Bus: 305-743-8598
Fax: 305-743-8598



DOWNLOAD REPORTS, INVOICES AND CHAINS OF CUSTODY www.flowerslabs.com

Client **Atkins** Project Name **Hardee County Landfill** P.O.# **Same as previous**
 Address **4030 West Bay Scout Boulevard, Suite 700** Client Contact **Brad Bayne** FAX **813-636-8583**
Tampa, FL 33607 FCL Project Manager **June Flowers** EMAIL **bradley.bayne@atkinsglobal.com**
 Phone **813-281-8377** Requested Due Date **10 Day Standard** Rush Charges May Apply

Sampled By (PRINT) **Bradley J. Bayne** Pick-Up Fee \$ **0** Vehicle Surcharge \$ **0** Sampling Fee \$ **0**
 Sampler Signature **Bradley J. Bayne**

Date Sampled **5-26-16**
 SW - ground water DW - drinking water WW - wastewater
 SW - surface water SO - soil/solid SL - sludge HW - waste

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONH	H ₂ SO ₄	HNO ₃	HCl	Na ₂ S ₂ O ₈	Fecal	App. DS.1	App. DS.2	App. DS.3	Met. Chlo	Met. H ₂ O	TO	Surface Water	Total #	
1	SW-2	5/26/16	8:55	SW	299768 SW	7	2	1	3											13
2	Trip Blank																			1
3																				
4																				
5	Fecal	5/26/16	08:55	SW	299764 SW															
6																				
7																				
8																				
9																				
10																				

Relinquished By / Affiliation **Bradley J. Bayne** Date **5/26/16** Time **13:15**
 Accepted By / Affiliation **RJC** Date **5/26/16** Time **13:15**
 Relinquished By / Affiliation **Bradley J. Bayne** Date **5/26/16** Time **13:15**
 Accepted By / Affiliation **RJC** Date **5/26/16** Time **13:15**

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

KIT REQUEST FORM

Altamonte Springs, FL 32701

FCL Project Manager: June Flowers

[illegible]