

ATTACHMENT C

Groundwater and Surface Water Laboratory Analytical Reports



FLOWERS CHEMICAL LABORATORIES INC.

P.O. Box 150597, Altamonte Springs, FL 32715-0597
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812 SW Harvey Green Dr, Madison, FL 32330
3980 Overseas Hwy, Suite 103, Marathon, FL 33050

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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 LAN
Date Sampled: Dec 19, 2017
Jan 4, 2018; Invoice: 352654

Report Summary

Date Received: Dec 20, 2017

FCL Project Manager: June S. Flowers

Laboratory # 352654GW1
Sample Description MW-4/299

Analysis	Chemist	Location	Sample Matrix
EPA350.1	CLL	Main Lab	Ground Water
EPA353.2	CLL	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-CIE	VLB	Main Lab	
EPA350.1	CLL	Main Lab	Ground Water
EPA353.2	CLL	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-CIE	VLB	Main Lab	
EPA350.1	CLL	Main Lab	Ground Water
EPA353.2	CLL	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-CIE	VLB	Main Lab	

352654GW2 MW-2/297

352654GW3 MW-1/296



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352654GW4	MW-14/29064	FT1600	RJC	Main Lab	Ground Water
		SM2540 C	PLB	Main Lab	
		SM4500-CIE	VLB	Main Lab	
		EPA350.1	CLL	Main Lab	
		EPA353.2	CLL	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	
352654GW5	MW-13/29063	SM2540 C	PLB	Main Lab	Ground Water
		SM4500-CIE	VLB	Main Lab	
		EPA350.1	CLL	Main Lab	
		EPA353.2	CLL	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	
352654GW6	MW-12R/22931	SM2540 C	PLB	Main Lab	Ground Water
		SM4500-CIE	VLB	Main Lab	
		EPA350.1	CLL	Main Lab	
		EPA353.2	CLL	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	



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Tampa, FL 33607

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

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Well ID	Sample Type	Date	Lab
352854GW7	SM4500-Cl E	MW-11/21/82	Main Lab
	EPA350.1		CLL
	EPA353.2		CLL
	EPA6010		EVB
	EPA6020		EVB
	EPA7470		EVB
	EPA8011		DLJ
	EPA8260		CTH
	FT1000		RJC
	FT1100		RJC
	FT1200		RJC
	FT1400		RJC
	FT1500		RJC
	FT1600		RJC
	SM2540 C		PLB
	SM4500-Cl E		VLB
352654GW8	EPA350.1	MW-10R/22930	Main Lab
	EPA353.2		CLL
	EPA6010		EVB
	EPA6020		EVB
	EPA7470		EVB
	EPA8011		DLJ
	EPA8260		CTH
	FT1000		RJC
	FT1100		RJC
	FT1200		RJC
	FT1400		RJC
	FT1500		RJC
	FT1600		RJC
	SM2540 C		PLB
	SM4500-Cl E		VLB
	352854GW9		Trip Blank 1

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP 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



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Analysis Report

Lab #: 352654GW1 Sampled: 12/19/17 09:05 AM Desc: MW-4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	25.2	mg/L	1.00	4.00	8.00	10359413	SM4500-CIE	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17



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Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352854

Lab #: 352654GW1 Sampled: 12/19/17 09:05 AM Desc: MW-4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	110-57-6	12/21/17
Surr: 1,2-Dichloroethane-d4 (50-170%)	104.37%		1.00	0.0100	0.0100	10359537	EPA8260	460-00-4	12/21/17
Surr:Bromofluorobenzene (50-170%)	101.63%		1.00	0.0100	0.0100	10359537	EPA8260	10-33-3	12/21/17
Surr:Toluene-d8 (50-170%)	102.30%		1.00	0.0100	0.0100	10359537	EPA8260	14797-55-8	12/21/17
TDS	380	mg/L	1.00	2.50	5.00	10359537	SM2540 C		12/23/17
Nitrate(as N)	0.0252	mg/L	1.00	0.0100	0.0200	10359537	EPA353.2		12/20/17 04:30 PM
Field Ground Water Elevation	80.8	ft	1.00	-10.0	-10.0	10359979	FT1000		12/19/17
Field pH (units)	6.43	pH	1.00	0.0100	0.0200	10359980	FT1100		12/19/17
Field Conductivity	546	umhos/cm	1.00	0.100	0.100	10359981	FT1200	C006	12/19/17
Field Temp. (C)	21.2	oC	1.00	0.100	0.100	10359982	FT1400		12/19/17
Field DO	0.490	mg/L	1.00	0.100	0.100	10359983	FT1500		12/19/17
Field Turbidity	8.94	NTU	1.00	0.100	0.100	10359984	FT1600		12/19/17



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Jan 4, 2018; Invoice: 352654

Lab #: 352654GW1 Sampled: 12/19/17 09:05 AM Desc: MW-4/299

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Ammonia (as N)	0.161	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1	7664-41-7	12/22/17
Mercury	0.000200 U	mg/L	1.00	0.000200	0.000400	10360214	EPA7470	7439-97-6	12/27/17
Iron	7.28	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-89-6	01/02/18
Sodium	12.6	mg/L	1.00	0.500	1.00	10360314	EPA6010	7440-23-5	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6020	7440-36-0	01/04/18
Arsenic	0.0111	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-38-2	01/04/18
Barium	0.0142	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-39-3	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-41-7	01/04/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360411	EPA6020	7440-43-9	01/04/18
Chromium	0.00690	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-47-3	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-48-4	01/04/18
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-50-8	01/04/18
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7439-92-1	01/04/18
Nickel	0.00300	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-02-0	01/04/18
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7782-49-2	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-22-4	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-28-0	01/04/18
Vanadium	0.0118	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-62-2	01/04/18
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10360411	EPA6020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17

Lab #: 352654GW2 Sampled: 12/19/17 10:20 AM Desc: MW-2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	21.1	mg/L	1.00	4.00	8.00	10359416	SM4500-Cl E	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17



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Date Sampled: Dec 19, 2017

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Lab #: 352654GW2 Sampled: 12/19/17 10 20 AM Desc: MWI-2/297

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	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17



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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW2 Sampled: 12/19/17 10:20 AM Desc: MW-2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Toluene	2.73	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17
Surr:1,2-Dichloroethane-d4 (50-170%)	98.87%		1.00	0.0100	0.0100	10359537	EPA8260	460-00-4	12/21/17
Surr:Bromofluorobenzene (50-170%)	102.20%		1.00	1.00	1.00	10359537	EPA8260	10-33-3	12/21/17
Surr:Toluene-d8 (50-170%)	102.37%		1.00	0.0100	0.0100	10359537	EPA8260	14797-55-8	12/21/17
TDS	336	mg/L	1.00	2.50	5.00	10359858	SM2540 C		04:30 PM
Nitrate(as N)	0.0526	mg/L	1.00	0.0100	0.0200	10359931	EPA353.2		
Field Ground Water Elevation	79.9	ft	1.00	-10.0	-10.0	10359979	FT1000		
Field pH (units)	6.92	pH	1.00	0.0100	0.0200	10359980	FT1100		
Field Conductivity	614	umhos/cm	1.00	0.100	0.100	10359981	FT1200	C006	
Field Temp. (C)	21.4	oC	1.00	0.100	0.100	10359982	FT1400		
Field DO	1.90	mg/L	1.00	0.100	0.100	10359983	FT1500		
Field Turbidity	0.290	NTU	1.00	0.100	0.100	10359984	FT1600		
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1	7664-41-7	12/19/17
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10360214	EPA7470	7439-97-6	12/22/17
Iron	0.656	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-89-6	12/27/17
Sodium	18.4	mg/L	1.00	0.500	1.00	10360314	EPA6010	7439-89-6	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6020	7440-23-5	01/02/18
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-36-0	01/04/18
						10360411	EPA6020	7440-38-2	01/04/18



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PO #: 40612

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Jan 4, 2018; Invoice: 352654

Lab #: 352654GW2 Sampled: 12/19/17 10:20 AM Desc: MW-2/297

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Barium	0.0202	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-39-3	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-41-7	01/04/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360411	EPA6020	7440-43-9	01/04/18
Chromium	0.00370	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-47-3	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-48-4	01/04/18
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-50-8	01/04/18
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7439-92-1	01/04/18
Nickel	0.00200	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-02-0	01/04/18
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7782-49-2	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-22-4	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-28-0	01/04/18
Vanadium	0.00570	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-62-2	01/04/18
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10360411	EPA6020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17

Lab #: 352654GW3 Sampled: 12/19/17 11:35 AM Desc: MW-1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	22.2	mg/L	1.00	4.00	8.00	10359413	SM4500-CIE	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17



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Lab #: 352654GW3 Sampled: 12/19/17 11:35 AM Desc: MW-1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17



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Lab #: 352654GW3 Sampled: 12/19/17 11:35 AM Desc: MW-1/296

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	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17
Surr:1,2-Dichloroethane-d4 (50-170%)	104.90%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
Surr:Bromofluorobenzene (50-170%)	100.27%		1.00	1.00	1.00	10359537	EPA8260	460-00-4	12/21/17
Surr:Toluene-d8 (50-170%)	102.40%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
TDS	224	mg/L	1.00	2.50	5.00	10359858	SM2540 C	10-33-3	12/23/17
Nitrate(as N)	0.0813	mg/L	1.00	0.0100	0.0200	10359931	EPA353.2	14797-55-8	12/20/17
Field Ground Water Elevation	82.0	ft	1.00	-10.0	-10.0	10359979	FT1000		12/19/17
Field pH (units)	4.45	pH	1.00	0.0100	0.0200	10359980	FT1100	C006	12/19/17
Field Conductivity	212	umhos/cm	1.00	0.100	0.100	10359981	FT1200		12/19/17
Field Temp. (C)	22.2	oC	1.00	0.100	0.100	10359982	FT1400		12/19/17
Field DO	1.87	mg/L	1.00	0.100	0.100	10359983	FT1500		12/19/17
Field Turbidity	15.0	NTU	1.00	0.100	0.100	10359984	FT1600		12/19/17
Ammonia (as N)	0.0705	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1	7664-41-7	12/22/17
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10360214	EPA7470	7439-97-6	12/27/17
Iron	3.69	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-89-6	01/02/18
Sodium	11.5	mg/L	1.00	0.500	1.00	10360314	EPA6010	7440-23-5	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6020	7440-36-0	01/04/18
Arsenic	0.00220	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-38-2	01/04/18
Barium	0.0132	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-39-3	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-41-7	01/04/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360411	EPA6020	7440-43-9	01/04/18
Chromium	0.0219	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-47-3	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-48-4	01/04/18
Copper	0.00260	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-50-8	01/04/18



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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW3 Sampled: 12/19/17 11:35 AM Desc: MW-1/296

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7439-92-1	01/04/18
Nickel	0.00390	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-02-0	01/04/18
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360411	EPA8020	7782-49-2	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA8020	7440-22-4	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-28-0	01/04/18
Vanadium	0.0122	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-62-2	01/04/18
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10360411	EPA8020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17

Lab #: 352654GW4 Sampled: 12/19/17 12:40 PM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	5.59 l	mg/L	1.00	4.00	8.00	10359413	SM4500-ClE	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW4 Sampled: 12/19/17 12:40 PM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352854

Lab #: 352854GW4 Sampled: 12/19/17 12:40 PM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Surr: 1,2-Dichloroethane-d4 (50-170%)	105.17%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
Surr: Bromofluorobenzene (50-170%)	99.83%		1.00	1.00	1.00	10359537	EPA8260	460-00-4	12/21/17
Surr: Toluene-d8 (50-170%)	102.17%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
TDS	306	mg/L	1.00	2.50	5.00	10359858	SM2540 C	10-33-3	12/23/17
Nitrate(as N)	0.0492	mg/L	1.00	0.0100	0.0200	10359931	EPA353.2	14797-55-8	12/20/17
Field Ground Water Elevation	81.4	ft	1.00	-10.0	-10.0	10359979	FT1000		12/19/17
Field pH (units)	6.07	pH	1.00	0.0100	0.0200	10359980	FT1100		12/19/17
Field Conductivity	507	umhos/cm	1.00	0.100	0.100	10359981	FT1200	C006	12/19/17
Field Temp. (C)	22.3	oC	1.00	0.100	0.100	10359982	FT1400		12/19/17
Field DO	0.560	mg/L	1.00	0.100	0.100	10359983	FT1500		12/19/17
Field Turbidity	3.70	NTU	1.00	0.100	0.100	10359984	FT1600		12/19/17
Ammonia (as N)	0.234	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1		12/19/17
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10360214	EPA7470	7664-41-7	12/22/17
Iron	0.141	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-97-6	12/27/17
Sodium	4.74	mg/L	1.00	0.500	1.00	10360314	EPA6010	7439-99-6	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6010	7440-23-5	01/02/18
Arsenic	0.00510	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-36-0	01/04/18
Barium	0.00380 U	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-38-2	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-39-3	01/04/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360411	EPA6020	7440-41-7	01/04/18
Chromium	0.00400	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-43-9	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-47-3	01/04/18
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-48-4	01/04/18
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-50-8	01/04/18
Nickel	0.00110 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7439-92-1	01/04/18
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-02-0	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7782-49-2	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-22-4	01/04/18
Vanadium	0.00220	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-62-2	01/04/18



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW4 Sampled: 12/19/17 12:40 PM Desc: MW-14/29064

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10360411	EPA8020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17

Lab #: 352654GW5 Sampled: 12/19/17 01:30 PM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	5.33 I	mg/L	1.00	4.00	8.00	10359413	SM4500-CIE	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	58-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17



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Client Project #: HARDEE COUNTY REGIONAL LAN

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Jan 4, 2018; Invoice: 352654

Lab #: 352654GW5 Sampled: 12/19/17 01:30 PM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17
Surr: 1,2-Dichloroethane-d4 (50-170%)	106.17%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
Surr: Bromofluorobenzene (50-170%)	100.23%		1.00	1.00	1.00	10359537	EPA8260		12/21/17
Surr: Toluene-d8 (50-170%)	102.10%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
TDS	204	mg/L	1.00	2.50	5.00	10359858	SM2540 C	460-00-4	12/21/17
Nitrate(as N)	2.37	mg/L	1.00	0.0100	0.0200	10359931	EPA353.2	10-33-3	12/23/17
Field Ground Water Elevation	81.4	ft	1.00	-10.0	-10.0	10359979	FT1000	14797-55-8	12/20/17 04:30 PM



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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW5 Sampled: 12/19/17 01:30 PM Desc: MW-13/29063

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Field pH (units)	6.13	pH	1.00	0.0100	0.0200	10359980	FT1100	C006	12/19/17
Field Conductivity	344	umhos/cm	1.00	0.100	0.100	10359981	FT1200		12/19/17
Field Temp. (C)	22.3	oC	1.00	0.100	0.100	10359982	FT1400		12/19/17
Field DO	1.81	mg/L	1.00	0.100	0.100	10359983	FT1500		12/19/17
Field Turbidity	3.73	NTU	1.00	0.100	0.100	10359984	FT1600		12/19/17
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1	7664-41-7	12/22/17
Mercury	0.000200 U	mg/L	1.00	0.000200	0.000400	10360214	EPA7470	7439-97-6	12/27/17
Iron	0.331	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-89-6	01/02/18
Sodium	4.66	mg/L	1.00	0.500	1.00	10360314	EPA6010	7440-23-5	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6020	7440-36-0	01/04/18
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-38-2	01/04/18
Barium	0.00360 I	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-39-3	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-41-7	01/04/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360411	EPA6020	7440-43-9	01/04/18
Chromium	0.00370	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-47-3	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-48-4	01/04/18
Copper	0.00170 I	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-50-8	01/04/18
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7439-92-1	01/04/18
Nickel	0.00120 I	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-02-0	01/04/18
Selenium	0.00570	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7782-49-2	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-22-4	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-28-0	01/04/18
Vanadium	0.00260	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-62-2	01/04/18
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10360411	EPA6020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17



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Atkins-Tampa
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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352854

Lab #: 352854GW6 Sampled: 12/19/17 02:35 PM Desc: MW-12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	6.29 I	mg/L	1.00	4.00	8.00	10359413	SM4500-CIE	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

FLDOH: E35834 (Keys Lab)



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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW6 Sampled: 12/19/17 02:35 PM Desc: MW-12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17
Surr:1,2-Dichloroethane-d4 (50-170%)	102.03%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
Surr:Bromofluorobenzene (50-170%)	100.87%		1.00	1.00	1.00	10359537	EPA8260		12/21/17
Surr:Toluene-d8 (50-170%)	101.47%		1.00	0.0100	0.0100	10359537	EPA8260	460-00-4	12/21/17
TDS	216	mg/L	1.00	2.50	5.00	10359858	SM2540 C	10-33-3	12/23/17
Nitrate(as N)	0.0638	mg/L	1.00	0.0100	0.0200	10359931	EPA353.2	14797-55-8	12/20/17
Field Ground Water Elevation	79.4	ft	1.00	-10.0	-10.0	10359979	FT1000		04:30 PM
Field pH (units)	6.52	pH	1.00	0.0100	0.0200	10359980	FT1100		12/19/17
Field Conductivity	360	umhos/cm	1.00	0.100	0.100	10359981	FT1200	C006	12/19/17
Field Temp. (C)	23.0	oC	1.00	0.100	0.100	10359982	FT1400		12/19/17
Field DO	1.04	mg/L	1.00	0.100	0.100	10359983	FT1500		12/19/17
Field Turbidity	4.91	NTU	1.00	0.100	0.100	10359984	FT1600		12/19/17
Ammonia (as N)	0.0133	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1	7664-41-7	12/22/17
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10360214	EPA7470	7439-97-6	12/27/17



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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352854

Lab #: 352654GW6 Sampled: 12/19/17 02:35 PM Desc: MW-12R/22931

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Iron	0.0100 U	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-89-6	01/02/18
Sodium	5.61	mg/L	1.00	0.500	1.00	10360314	EPA6010	7440-23-5	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6020	7440-36-0	01/04/18
Arsenic	0.00260	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-38-2	01/04/18
Barium	0.00370 I	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-39-3	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-41-7	01/04/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360411	EPA6020	7440-43-9	01/04/18
Chromium	0.00390	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-47-3	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-48-4	01/04/18
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-50-8	01/04/18
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7439-92-1	01/04/18
Nickel	0.00130 I	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-02-0	01/04/18
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7782-49-2	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-22-4	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-28-0	01/04/18
Vanadium	0.0101	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-62-2	01/04/18
Zinc	0.0434	mg/L	1.00	0.0100	0.0200	10360411	EPA6020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17

Lab #: 352654GW7 Sampled: 12/20/17 09:00 AM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	6.37 I	mg/L	1.00	4.00	8.00	10359413	SM4500-ClE	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW7 Sampled: 12/20/17 09:00 AM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17



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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW7 Sampled: 12/20/17 09:00 AM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17
Surr:1,2-Dichloroethane-d4 (50-170%)	105.13%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
Surr:Bromofluorobenzene (50-170%)	101.17%		1.00	1.00	1.00	10359537	EPA8260	460-00-4	12/21/17
Surr:Toluene-d8 (50-170%)	103.47%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
TDS	102	mg/L	1.00	2.50	5.00	10359858	SM2540 C	10-33-3	12/23/17
Nitrate(as N)	0.0113 I	mg/L	1.00	0.0100	0.0200	10359931	EPA353.2	14797-55-8	12/20/17
Field Ground Water Elevation	78.5	ft	1.00	-10.0	-10.0	10359979	FT1000		04:30 PM
Field pH (units)	5.59	pH	1.00	0.0100	0.0200	10359980	FT1100		12/19/17
Field Conductivity	93.0	umhos/cm	1.00	0.100	0.100	10359981	FT1200	C006	12/19/17
Field Temp. (C)	22.1	oC	1.00	0.100	0.100	10359982	FT1400		12/19/17
Field DO	1.06	mg/L	1.00	0.100	0.100	10359983	FT1500		12/19/17
Field Turbidity	19.7	NTU	1.00	0.100	0.100	10359984	FT1600		12/19/17
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1	7664-41-7	12/19/17
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10360214	EPA7470	7439-97-6	12/22/17
Iron	0.408	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-89-6	12/27/17
Sodium	5.79	mg/L	1.00	0.500	1.00	10360314	EPA6010	7440-23-5	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6020	7440-36-0	01/02/18
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-38-2	01/04/18
Barium	0.0176	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-39-3	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-41-7	01/04/18



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW7 Sampled: 12/20/17 09:00 AM Desc: MW-11/21882

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Cadmium	0.00200 U	mg/L	1.00	0.00200	0.000400	10360411	EPA8020	7440-43-9	01/04/18
Chromium	0.0600	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-47-3	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-48-4	01/04/18
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-50-8	01/04/18
Lead	0.00140 I	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7439-92-1	01/04/18
Nickel	0.00120 I	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-02-0	01/04/18
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360411	EPA8020	7782-49-2	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA8020	7440-22-4	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-28-0	01/04/18
Vanadium	0.00640	mg/L	1.00	0.00100	0.00200	10360411	EPA8020	7440-62-2	01/04/18
Zinc	0.0197 I	mg/L	1.00	0.0100	0.0200	10360411	EPA8020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17

Lab #: 352654GW8 Sampled: 12/20/17 10:00 AM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Chloride	24.1	mg/L	1.00	4.00	8.00	10359413	SM4500-Cl E	16887-00-6	12/21/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359537	EPA8260	107-06-2	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	78-87-5	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	591-78-6	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	67-64-1	12/21/17



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Lab #: 352654GW8 Sampled: 12/20/17 10:00 AM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	107-13-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-43-2	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359537	EPA8260	074-97-5	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	75-27-4	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-83-9	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-15-0	12/21/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17



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Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17
Surr:1,2-Dichloroethane-d4 (50-170%)	98.10%		1.00	0.0100	0.0100	10359537	EPA8260	460-00-4	12/21/17
Surr:Bromofluorobenzene (50-170%)	102.03%		1.00	1.00	1.00	10359537	EPA8260	10-33-3	12/21/17
Surr:Toluene-d8 (50-170%)	100.20%		1.00	0.0100	0.0100	10359537	EPA8260	14797-55-8	12/21/17
TDS	292	mg/L	1.00	2.50	5.00	10359858	SM2540 C		04:30 PM
Nitrate(as N)	0.0594	mg/L	1.00	0.0100	0.0200	10359931	EPA353.2		
Field Ground Water Elevation	79.9	ft	1.00	-10.0	-10.0	10359979	FT1000		
Field pH (units)	6.33	pH	1.00	0.0100	0.0200	10359980	FT1100		
Field Conductivity	605	umhos/cm	1.00	0.100	0.100	10359981	FT1200	C006	
Field Temp. (C)	23.8	oC	1.00	0.100	0.100	10359982	FT1400		
Field DO	0.530	mg/L	1.00	0.100	0.100	10359983	FT1500		
Field Turbidity	9.40	NTU	1.00	0.100	0.100	10359984	FT1600		
Ammonia (as N)	0.557	mg/L	1.00	0.0100	0.0200	10360138	EPA350.1	7664-41-7	12/19/17
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10360215	EPA7470	7439-97-6	12/22/17
Iron	26.8	mg/L	1.00	0.0100	0.0200	10360314	EPA6010	7439-89-6	12/27/17
Sodium	17.5	mg/L	1.00	0.500	1.00	10360314	EPA6010	7440-23-5	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360411	EPA6010	7440-23-5	01/02/18
Arsenic	0.00470	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-36-0	01/04/18
Barium	0.0198	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7440-38-2	01/04/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-39-3	01/04/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360411	EPA6020	7440-41-7	01/04/18
Chromium	0.00390	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-43-9	01/04/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-47-3	01/04/18
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-48-4	01/04/18
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-50-8	01/04/18
Nickel	0.00170 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7439-92-1	01/04/18
								7440-02-0	01/04/18



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Atkins-Tampa
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Tampa, FL 33607

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Lab #: 352654GW8 Sampled: 12/20/17 10:00 AM Desc: MW-10R/22930

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360411	EPA6020	7782-49-2	01/04/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360411	EPA6020	7440-22-4	01/04/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-28-0	01/04/18
Vanadium	0.00230	mg/L	1.00	0.00100	0.00200	10360411	EPA6020	7440-62-2	01/04/18
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10360411	EPA6020	7440-66-6	01/04/18
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17

Lab #: 352654GW9 Sampled: 12/19/17 09:05 AM Desc: Trip Blank 1

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	10359537	EPA8260	630-20-6	12/21/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	71-55-6	12/21/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	79-34-5	12/21/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-00-5	12/21/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-34-3	12/21/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-35-4	12/21/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	107-06-2	12/21/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-87-5	12/21/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	78-93-3	12/21/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359537	EPA8260	591-78-6	12/21/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359537	EPA8260	67-64-1	12/21/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	107-13-1	12/21/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	71-43-2	12/21/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359537	EPA8260	074-97-5	12/21/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-27-4	12/21/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-25-2	12/21/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	74-83-9	12/21/17
								75-15-0	12/21/17



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352854

Lab #: 352854GW9 Sampled: 12/19/17 09:05 AM Desc: Trip Blank 1

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	56-23-5	12/21/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-90-7	12/21/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-00-3	12/21/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	67-66-3	12/21/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	74-87-3	12/21/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359537	EPA8260	124-48-1	12/21/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	074-95-3	12/21/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-41-4	12/21/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	074-88-4	12/21/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	108-10-1	12/21/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	75-09-2	12/21/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	106-46-7	12/21/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	100-42-5	12/21/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	127-18-4	12/21/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	108-88-3	12/21/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	79-01-6	12/21/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-69-4	12/21/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359537	EPA8260	108-05-4	12/21/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	75-01-4	12/21/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	1330-20-7	12/21/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359537	EPA8260	156-59-2	12/21/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-01-5	12/21/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	95-50-1	12/21/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	156-60-5	12/21/17
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359537	EPA8260	10061-02-6	12/21/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359537	EPA8260	110-57-6	12/21/17
Surr: 1,2-Dichloroethane-d4 (50-170%)	103.80%		1.00	0.0100	0.0100	10359537	EPA8260		12/21/17
Surr: Bromofluorobenzene (50-170%)	100.27%		1.00	1.00	1.00	10359537	EPA8260		12/21/17
Surr: Toluene-d8 (50-170%)	101.87%		1.00	0.0100	0.0100	10359537	EPA8260	460-00-4	12/21/17



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Quality Report

Quality Control Batch: 10359413		Analyst: VLB	
Blank	Result	Units	
Chloride	4.00U	mg/L	
Laboratory Control Sample		Units	%REC Lim
Chloride	208	mg/L	104.22
Matrix Spike		Units	%REC Lim
Chloride	127	mg/L	105.57
Matrix Spike Duplicate		Units	%REC Lim
Chloride	123	mg/L	101.66
Quality Control Batch: 10359416		Analyst: VLB	
Blank	Result	Units	
Chloride	4.00U	mg/L	
Laboratory Control Sample		Units	%REC Lim
Chloride	208	mg/L	104.05
Matrix Spike		Units	%REC Lim
Chloride	127	mg/L	106.30
Matrix Spike Duplicate		Units	%REC Lim
Chloride	118	mg/L	97.37
Quality Control Batch: 10359537		Analyst: CTH	
Blank	Result	Units	
1,1,1,2-Tetrachloroethane	0.500U	ug/L	
		Sample	RPD Lim
		21.1	20.00
		Sample	RPD
		7.26	



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Quality Control Batch: 10359537

Analyst: CTH

Blank	Result	Units
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
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
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
Para-dichlorobenzene	0.500U	ug/L



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Quality Control Batch: 10359537

Analyst: CTH

Blank	Result	Units
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	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	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
o-dichlorobenzene	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
Surr: 1,2-Dichloroethane-d4	10.7	ug/L
Surr: Bromofluorobenzene	36.3	ug/L
Surr: Toluene-d8	27.8	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
1,1,1,2-Tetrachloroethane	41.0	ug/L	40.0	102.38	50.00-170.00
1,1,1-Trichloroethane	45.1	ug/L	40.0	112.62	50.00-170.00
1,1,2,2-Tetrachloroethane	38.1	ug/L	40.0	95.30	50.00-170.00
1,1,2-Trichloroethane	39.7	ug/L	40.0	99.35	50.00-170.00
1,1-Dichloroethane	52.2	ug/L	40.0	130.47	50.00-170.00
1,1-Dichloroethene	46.5	ug/L	40.0	116.18	50.00-170.00
1,2-dichloroethane	42.2	ug/L	40.0	105.45	50.00-170.00
1,2-dichloropropane	46.2	ug/L	40.0	115.42	50.00-170.00
2-Butanone (MEK)	39.3	ug/L	40.0	98.33	50.00-170.00
2-Hexanone	37.1	ug/L	40.0	92.85	50.00-170.00



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Quality Control Batch: 10359537		Analyst: CTH			
Laboratory Control Sample		Result	Units	Spike	%REC
Acetone		45.5	ug/L	40.0	113.80
Acrylonitrile		42.5	ug/L	40.0	106.18
Benzene		41.7	ug/L	40.0	104.32
Bromochloromethane		41.5	ug/L	40.0	103.75
Bromodichloromethane		47.5	ug/L	40.0	118.78
Bromoform		44.2	ug/L	40.0	110.47
Bromomethane		33.8	ug/L	40.0	84.50
Carbon Disulfide		41.4	ug/L	40.0	103.52
Carbon Tetrachloride		38.6	ug/L	40.0	96.47
Chlorobenzene		38.3	ug/L	40.0	95.83
Chloroethane		46.8	ug/L	40.0	116.88
Chloroform		41.4	ug/L	40.0	103.52
Chloromethane		31.5	ug/L	40.0	78.65
Dibromochloromethane		43.9	ug/L	40.0	109.62
Dibromomethane		37.3	ug/L	40.0	93.35
Ethylbenzene		40.8	ug/L	40.0	102.10
Methyl Iodide		34.0	ug/L	40.0	84.90
Methyl isobutyl ketone		37.8	ug/L	40.0	94.55
Methylene chloride		40.0	ug/L	40.0	100.10
Para-dichlorobenzene		34.7	ug/L	40.0	86.83
Styrene		36.4	ug/L	40.0	91.08
Tetrachloroethene		44.0	ug/L	40.0	109.90
Toluene		39.6	ug/L	40.0	99.05
Trichloroethene		43.4	ug/L	40.0	108.47
Trichlorofluoromethane		43.7	ug/L	40.0	109.13
Vinyl chloride		33.9	ug/L	40.0	84.78
Xylenes		127	ug/L	120	105.82
cis-1,2-dichloroethene		42.9	ug/L	40.0	107.15
cis-1,3-Dichloropropene		40.9	ug/L	40.0	102.22



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Quality Control Batch: 10359537

Analyst: CTH

Laboratory Control Sample

o-dichlorobenzene	Result	Units	Spike	%REC	%REC Lim
trans-1,2-dichloroethene	37.1	ug/L	40.0	92.68	50.00-170.00
trans-1,3,-Dichloropropene	43.4	ug/L	40.0	108.45	50.00-170.00
Surr:1,2-Dichloroethane-d4	35.1	ug/L	40.0	87.68	50.00-170.00
Surr:Bromofluorobenzene	29.7	ug/L	30.0	98.93	50.00-170.00
Surr:Toluene-d8	29.6	ug/L	30.0	98.53	50.00-170.00
	31.1	ug/L	30.0	103.60	50.00-170.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
1,1,1,2-Tetrachloroethane	25.1	ug/L	20.0	125.40	50.00-170.00	0.500U
1,1,1-Trichloroethane	32.5	ug/L	20.0	162.70	50.00-170.00	0.500U
1,1,2,2-Tetrachloroethane	20.1	ug/L	20.0	100.40	50.00-170.00	0.100U
1,1,2-Trichloroethane	23.8	ug/L	20.0	118.95	50.00-170.00	0.500U
1,1-Dichloroethane	36.5	ug/L	20.0	182.40	50.00-170.00	0.500U
1,1-Dichloroethene	29.6	ug/L	20.0	148.15	50.00-170.00	0.500U
1,2-dichloroethane	27.3	ug/L	20.0	136.60	50.00-170.00	0.500U
1,2-dichloropropane	32.6	ug/L	20.0	163.00	50.00-170.00	0.200U
2-Butanone (MEK)	26.6	ug/L	20.0	132.95	50.00-170.00	0.500U
2-Hexanone	28.5	ug/L	20.0	142.30	50.00-170.00	0.500U
Acetone	31.5	ug/L	20.0	157.70	50.00-170.00	5.00U
Acrylonitrile	33.1	ug/L	20.0	165.45	50.00-170.00	0.300U
Benzene	27.5	ug/L	20.0	137.55	50.00-170.00	0.500U
Bromochloromethane	25.4	ug/L	20.0	126.75	50.00-170.00	0.100U
Bromodichloromethane	30.9	ug/L	20.0	145.25	50.00-170.00	1.81
Bromoform	24.8	ug/L	20.0	123.75	50.00-170.00	0.500U
Bromomethane	23.9	ug/L	20.0	119.35	50.00-170.00	0.500U
Carbon Tetrachloride	27.1	ug/L	20.0	135.35	50.00-170.00	0.500U
Chlorobenzene	23.4	ug/L	20.0	116.75	50.00-170.00	0.500U
Chloroethane	30.4	ug/L	20.0	151.75	50.00-170.00	0.500U
Chloroform	28.9	ug/L	20.0	108.55	50.00-170.00	7.15



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Atkins-Tampa
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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

Jan 4, 2018; Invoice: 352654

Quality Control Batch: 10359537 Analyst: CTH

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample
Chloromethane	16.3	ug/L	20.0	81.25	50.00-170.00	0.500U
Dibromochloromethane	26.9	ug/L	20.0	134.50	50.00-170.00	0.400U
Dibromomethane	25.0	ug/L	20.0	124.75	50.00-170.00	0.500U
Ethylbenzene	25.3	ug/L	20.0	126.25	50.00-170.00	0.500U
Methyl Iodide	28.0	ug/L	20.0	139.85	50.00-170.00	1.00U
Methyl isobutyl ketone	27.0	ug/L	20.0	134.90	50.00-170.00	1.00U
Methylene chloride	26.1	ug/L	20.0	130.25	50.00-170.00	1.00U
Para-dichlorobenzene	20.6	ug/L	20.0	103.00	50.00-170.00	0.500U
Styrene	21.8	ug/L	20.0	109.15	50.00-170.00	0.500U
Tetrachloroethene	24.4	ug/L	20.0	121.95	50.00-170.00	0.500U
Toluene	24.9	ug/L	20.0	124.50	50.00-170.00	0.500U
Trichloroethene	26.0	ug/L	20.0	130.10	50.00-170.00	0.500U
Trichlorofluoromethane	27.1	ug/L	20.0	135.65	50.00-170.00	0.500U
Vinyl chloride	24.7	ug/L	20.0	123.30	50.00-170.00	0.500U
Xylenes	76.7	ug/L	60.0	127.77	50.00-170.00	0.500U
cis-1,2-dichloroethene	26.6	ug/L	20.0	132.80	50.00-170.00	0.200U
cis-1,3-Dichloropropene	28.8	ug/L	20.0	143.95	50.00-170.00	0.500U
o-dichlorobenzene	21.9	ug/L	20.0	109.55	50.00-170.00	0.500U
trans-1,2-dichloroethene	28.5	ug/L	20.0	142.25	50.00-170.00	0.500U
trans-1,3,-Dichloropropene	24.7	ug/L	20.0	123.35	50.00-170.00	0.500U
Surr:1,2-Dichloroethane-d4	31.8	ug/L	30.0	106.13	50.00-170.00	
Surr:Bromofluorobenzene	29.5	ug/L	30.0	98.20	50.00-170.00	
Surr: Toluene-d8	31.7	ug/L	30.0	105.60	50.00-170.00	

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,1,1,2-Tetrachloroethane	22.8	ug/L	20.0	114.15	50.00-170.00	0.500U	9.39	30.00
1,1,1-Trichloroethane	25.5	ug/L	20.0	127.30	50.00-170.00	0.500U	24.41	30.00
1,1,2,2-Tetrachloroethane	22.5	ug/L	20.0	112.40	50.00-170.00	0.100U	11.28	30.00
1,1,2-Trichloroethane	22.4	ug/L	20.0	111.85	50.00-170.00	0.500U	6.15	30.00



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 19, 2017

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Quality Control Batch: 10359537		Analyst: CTH							
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD		RPD Lim
1,1-Dichloroethane	29.3	ug/L	20.0	146.30	50.00-170.00	0.500U	21.97		30.00
1,1-Dichloroethene	28.3	ug/L	20.0	141.45	50.00-170.00	0.500U	4.63		30.00
1,2-dichloroethane	24.2	ug/L	20.0	120.90	50.00-170.00	0.500U	12.19		30.00
1,2-dichloropropane	26.6	ug/L	20.0	132.90	50.00-170.00	0.200U	20.34		30.00
2-Butanone (MEK)	22.7	ug/L	20.0	113.25	50.00-170.00	0.500U	16.00		30.00
2-Hexanone	20.1	ug/L	20.0	100.40	50.00-170.00	0.500U	34.53		30.00
Acetone	25.3	ug/L	20.0	126.65	50.00-170.00	5.00U	21.84		30.00
Acrylonitrile	23.9	ug/L	20.0	119.40	50.00-170.00	0.300U	32.33		30.00
Benzene	24.6	ug/L	20.0	123.00	50.00-170.00	0.500U	11.17		30.00
Bromochloromethane	22.8	ug/L	20.0	114.15	50.00-170.00	0.100U	10.46		30.00
Bromodichloromethane	27.6	ug/L	20.0	129.15	50.00-170.00	1.81	11.01		30.00
Bromoform	23.8	ug/L	20.0	118.75	50.00-170.00	0.500U	4.12		30.00
Bromomethane	25.8	ug/L	20.0	128.75	50.00-170.00	0.500U	7.58		30.00
Carbon Tetrachloride	21.2	ug/L	20.0	106.10	50.00-170.00	0.500U	24.23		30.00
Chlorobenzene	22.3	ug/L	20.0	111.35	50.00-170.00	0.500U	4.73		30.00
Chloroethane	29.6	ug/L	20.0	147.95	50.00-170.00	0.500U	2.54		30.00
Chloroform	27.7	ug/L	20.0	102.75	50.00-170.00	7.15	4.10		30.00
Chloromethane	17.7	ug/L	20.0	88.70	50.00-170.00	0.500U	8.77		30.00
Dibromochloromethane	24.9	ug/L	20.0	124.30	50.00-170.00	0.400U	7.88		30.00
Dibromomethane	21.3	ug/L	20.0	106.50	50.00-170.00	0.500U	15.78		30.00
Ethylbenzene	23.8	ug/L	20.0	119.10	50.00-170.00	0.500U	5.83		30.00
Methyl Iodide	26.3	ug/L	20.0	131.65	50.00-170.00	1.00U	6.04		30.00
Methyl isobutyl ketone	20.5	ug/L	20.0	102.65	50.00-170.00	1.00U	27.15		30.00
Methylene chloride	23.4	ug/L	20.0	117.20	50.00-170.00	1.00U	10.55		30.00
Para-dichlorobenzene	19.9	ug/L	20.0	99.35	50.00-170.00	0.500U	3.61		30.00
Styrene	20.9	ug/L	20.0	104.30	50.00-170.00	0.500U	4.54		30.00
Tetrachloroethene	25.6	ug/L	20.0	127.90	50.00-170.00	0.500U	4.76		30.00
Toluene	23.3	ug/L	20.0	116.45	50.00-170.00	0.500U	6.68		30.00
Trichloroethene	26.0	ug/L	20.0	130.10	50.00-170.00	0.500U	0.00		30.00



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Quality Control Batch: 10359537		Analyst: CTH					
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD Lim
Trichlorofluoromethane	28.7	ug/L	20.0	143.30	50.00-170.00	0.500U	5.48
Vinyl chloride	21.2	ug/L	20.0	105.75	50.00-170.00	0.500U	15.32
Xylenes	73.7	ug/L	60.0	122.77	50.00-170.00	0.500U	3.99
cis-1,2-dichloroethene	24.8	ug/L	20.0	123.80	50.00-170.00	0.200U	7.01
cis-1,3-Dichloropropene	22.1	ug/L	20.0	110.50	50.00-170.00	0.500U	26.29
o-dichlorobenzene	21.4	ug/L	20.0	107.15	50.00-170.00	0.500U	2.22
trans-1,2-dichloroethene	25.9	ug/L	20.0	129.65	50.00-170.00	0.500U	9.27
trans-1,3,-Dichloropropene	19.7	ug/L	20.0	98.70	50.00-170.00	0.500U	22.20
Surr:1,2-Dichloroethane-d4	29.9	ug/L	30.0	99.50	50.00-170.00		6.45
Surr:Bromofluorobenzene	29.2	ug/L	30.0	97.30	50.00-170.00		0.92
Surr:Toluene-d8	31.1	ug/L	30.0	103.53	50.00-170.00		1.98

Quality Control Batch: 10359858		Analyst: PLB	
Blank	Result	Units	
TDS	2.50U	mg/L	

Laboratory Control Sample			
TDS	Result	Units	%REC
	1460	mg/L	97.33

Quality Control Batch: 10359931		Analyst: CLL	
Blank	Result	Units	
Nitrate(as N)	0.0100U	mg/L	

Laboratory Control Sample			
Nitrate(as N)	Result	Units	%REC
	1.89	mg/L	94.50

Matrix Spike			
Nitrate(as N)	Result	Units	%REC
	4.15	mg/L	103.46
Sample			
			0.0118



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Quality Control Batch: 10359931		Analyst: CLL					
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample
Nitrate(as N)		4.12	mg/L	4.00	102.71	85.00-115.00	0.0118
							RPD
							0.73
							RPD Lim
							20.00

Quality Control Batch: 10360138		Analyst: CLL					
Blank		Result	Units				
Ammonia (as N)		0.0100U	mg/L				
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim	
Ammonia (as N)		1.79	mg/L	0.500	358.00	85.00-115.00	
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample
Ammonia (as N)		1.02	mg/L	0.780	133.17	85.00-115.00	-0.0187
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample
Ammonia (as N)		0.995	mg/L	0.780	129.96	85.00-115.00	-0.0187
							RPD
							2.48
							RPD Lim
							20.00

Quality Control Batch: 10360214		Analyst: EVB					
Blank		Result	Units				
Mercury		0.0000200U	mg/L				
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim	
Mercury		0.00101	mg/L	0.00100	101.20	80.00-120.00	
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample



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Quality Control Batch: 10360214		Analyst: EVB							
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample		
Mercury		0.00307	mg/L	0.00300	102.70	80.00-120.00	-0.0000139		
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Mercury		0.00300	mg/L	0.00300	100.53	80.00-120.00	-0.0000139	2.14	20.00
Quality Control Batch: 10360215		Analyst: EVB							
Blank		Result	Units						
Mercury		0.0000200U	mg/L						
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim			
Mercury		0.00101	mg/L	0.00100	101.20	80.00-120.00			
Quality Control Batch: 10360314		Analyst: EVB							
Blank		Result	Units						
Iron		0.0100U	mg/L						
Sodium		0.500U	mg/L						
Laboratory Control Sample		Result	Units	Spike	%REC	%REC Lim			
Iron		5.41	mg/L	5.00	108.24	80.00-120.00			
Sodium		5.28	mg/L	5.00	105.54	80.00-120.00			
Matrix Spike		Result	Units	Spike	%REC	%REC Lim	Sample		
Iron		11.2	mg/L	5.00	94.00	75.00-125.00	6.55		
Sodium		16.5	mg/L	5.00	102.99	75.00-125.00	11.4		
Matrix Spike Duplicate		Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Iron		11.1	mg/L	5.00	91.04	75.00-125.00	6.55	1.32	20.00
Sodium		15.8	mg/L	5.00	88.82	75.00-125.00	11.4	4.38	20.00



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Quality Control Batch: 10360411

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	0.389	mg/L	0.400	97.32	80.00-120.00
Arsenic	0.417	mg/L	0.400	104.25	80.00-120.00
Barium	0.409	mg/L	0.400	102.15	80.00-120.00
Beryllium	0.418	mg/L	0.400	104.43	80.00-120.00
Cadmium	0.418	mg/L	0.400	104.43	80.00-120.00
Chromium	0.416	mg/L	0.400	103.87	80.00-120.00
Cobalt	0.409	mg/L	0.400	102.12	80.00-120.00
Copper	0.428	mg/L	0.400	106.88	80.00-120.00
Lead	0.449	mg/L	0.400	112.35	80.00-120.00
Nickel	0.425	mg/L	0.400	106.30	80.00-120.00
Selenium	0.385	mg/L	0.400	96.30	80.00-120.00
Silver	0.419	mg/L	0.400	104.67	80.00-120.00



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Quality Control Batch: 10360411 Analyst: EVB

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
Thallium	0.433	mg/L	0.400	108.20	80.00-120.00
Vanadium	0.411	mg/L	0.400	102.70	80.00-120.00
Zinc	0.406	mg/L	0.400	101.52	80.00-120.00

Matrix Spike

	Result	Units	Spike	%REC	%REC Lim	Sample
Antimony	0.0887	mg/L	0.100	88.70	75.00-125.00	0.00200U
Arsenic	0.112	mg/L	0.100	101.60	75.00-125.00	0.0100
Barium	0.116	mg/L	0.100	103.20	75.00-125.00	0.0128
Beryllium	0.0862	mg/L	0.100	86.20	75.00-125.00	0.000500U
Cadmium	0.0950	mg/L	0.100	95.00	75.00-125.00	0.000200U
Chromium	0.121	mg/L	0.100	115.20	75.00-125.00	0.00620
Cobalt	0.111	mg/L	0.100	110.50	75.00-125.00	0.00100U
Copper	0.103	mg/L	0.100	103.00	75.00-125.00	0.00100U
Lead	0.0984	mg/L	0.100	98.40	75.00-125.00	0.00100U
Nickel	0.109	mg/L	0.100	106.40	75.00-125.00	0.00270
Selenium	0.0923	mg/L	0.100	92.30	75.00-125.00	0.00200U
Silver	0.102	mg/L	0.100	101.60	75.00-125.00	0.000500U
Thallium	0.0970	mg/L	0.100	97.00	75.00-125.00	0.00100U
Vanadium	0.129	mg/L	0.100	118.30	75.00-125.00	0.0106
Zinc	0.106	mg/L	0.100	99.90	75.00-125.00	0.00640

Matrix Spike Duplicate

	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Antimony	0.0878	mg/L	0.100	87.80	75.00-125.00	0.00200U	1.02	20.00
Arsenic	0.110	mg/L	0.100	100.30	75.00-125.00	0.0100	1.17	20.00
Barium	0.117	mg/L	0.100	104.00	75.00-125.00	0.0128	0.69	20.00
Beryllium	0.0884	mg/L	0.100	88.40	75.00-125.00	0.000500U	2.52	20.00
Cadmium	0.0911	mg/L	0.100	91.10	75.00-125.00	0.000200U	4.19	20.00
Chromium	0.117	mg/L	0.100	110.50	75.00-125.00	0.00620	3.95	20.00
Cobalt	0.106	mg/L	0.100	106.30	75.00-125.00	0.00100U	3.87	20.00



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Quality Control Batch: 10360411 Analyst: EVB

Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Copper	0.0987	mg/L	0.100	98.70	75.00-125.00	0.00100U	4.26	20.00
Lead	0.0983	mg/L	0.100	98.30	75.00-125.00	0.00100U	0.10	20.00
Nickel	0.105	mg/L	0.100	102.20	75.00-125.00	0.00270	3.93	20.00
Selenium	0.0951	mg/L	0.100	95.10	75.00-125.00	0.00200U	2.99	20.00
Silver	0.101	mg/L	0.100	100.60	75.00-125.00	0.000500U	0.99	20.00
Thallium	0.0971	mg/L	0.100	97.10	75.00-125.00	0.00100U	0.10	20.00
Vanadium	0.123	mg/L	0.100	112.60	75.00-125.00	0.0106	4.52	20.00
Zinc	0.102	mg/L	0.100	95.50	75.00-125.00	0.00640	4.23	20.00

Quality Control Batch: 10360498 Analyst: DLJ

Blank	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2,3-Trichloropropane	0.0200U	ug/L	0.251	111.10	50.00-170.00	0.0200U	0.15	30.00
1,2-Dibromoethane (EDB)	0.0100U	ug/L	0.251	121.72	50.00-170.00	0.0100U	1.08	30.00
1,2-dibromo-3-chloropropane	0.0200U	ug/L	0.251	131.94	50.00-170.00	0.0200U	0.39	30.00
Laboratory Control Sample	Result	Units	Spike					
1,2,3-Trichloropropane	0.279	ug/L	0.251	111.10	50.00-170.00	0.0200U	0.15	30.00
1,2-Dibromoethane (EDB)	0.306	ug/L	0.251	121.72	50.00-170.00	0.0100U	1.08	30.00
1,2-dibromo-3-chloropropane	0.332	ug/L	0.251	131.94	50.00-170.00	0.0200U	0.39	30.00
Matrix Spike	Result	Units	Spike					
1,2,3-Trichloropropane	0.269	ug/L	0.251	106.92	50.00-170.00	0.0200U	0.15	30.00
1,2-Dibromoethane (EDB)	0.288	ug/L	0.251	114.48	50.00-170.00	0.0100U	1.08	30.00
1,2-dibromo-3-chloropropane	0.255	ug/L	0.251	101.43	50.00-170.00	0.0200U	0.39	30.00
Matrix Spike Duplicate	Result	Units	Spike					
1,2,3-Trichloropropane	0.269	ug/L	0.251	107.08	50.00-170.00	0.0200U	0.15	30.00
1,2-Dibromoethane (EDB)	0.285	ug/L	0.251	113.25	50.00-170.00	0.0100U	1.08	30.00
1,2-dibromo-3-chloropropane	0.256	ug/L	0.251	101.83	50.00-170.00	0.0200U	0.39	30.00



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3980 Overseas Hwy, Suite 103, Marathon, FL 33050 Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Dec 19, 2017
Jan 4, 2018; Invoice: 352654

Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submittor. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

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
Field Data

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.
Allamonte Springs, FL 32701
Bus: 407-339-5984
Fax: 407-260-6110

☐ Flowers Chemical Labs South

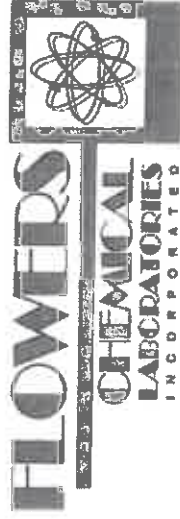
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Fax: 772-343-8089

☐ Flowers Chemical Labs North

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Fax: 850-973-6878

☐ Flowers Chemical Labs Keys

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



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Client: Atkins North America Project Name: Hardee County Landfill June has # P.O.#: 40612
 Address: 4030 W. Boy Scout Boulevard Client Contact: Brad Bayne FAX:
Suite 700, Tampa, FL 33607 FCL Project Manager: Bradley Bayne E-MAIL: bradley.bayne
 Phone: 813-281-8377 Requested Due Date: 10 Day Standard OR Rush Charges May Apply
 Sampled By (PRINT): Bradley J. Bayne

Sampler Signature: Bradley J. Bayne Date Sampled: 12/20/17
 Pick-Up Fee: \$ 35 Vehicle Surcharge: \$ Sampling Fee: \$

ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	PRESERVATIVES				ANALYSES REQUEST	COMMENTS	Total # Containers
						None	H ₂ SO ₄	HNO ₃	HCl	Na ₂ S ₂ O ₃		
1	MW-4	12/19/17	9:05	GW	352105163	3	1	1	2		✓	✓
2	MW-2	12/19/17	10:20	GW	352105163	3	1	1	2		✓	✓
3	MW-1	12/19/17	11:35	GW	352105163	3	1	1	2		✓	✓
4	MW-14	12/19/17	12:40	GW	352105163	3	1	1	2		✓	✓
5	MW-13	12/19/17	13:30	GW	352105163	3	1	1	2		✓	✓
6	MW-12R	12/19/17	14:35	GW	352105163	3	1	1	2		✓	✓
7	MW-11	12/20/17	9:00	GW	352105163	3	1	1	2		✓	✓
8	MW-10R	12/20/17	10:00	GW	352105163	3	1	1	2		✓	✓
9	Top Blank	12/19			✓ GW	1					✓	
10												

Relinquished By / Affiliation: Dr. J. Bayne Date: 12/20/17 Time: 11:45
 Accepted By / Affiliation: Bradley Bayne Date: 12/21/17 Time: 15:00
 Relinquished By / Affiliation: Bradley Bayne Date: 12/21/17 Time: 15:00

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy



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Phone: 305-743-8596 E35834 (Keys Lab)

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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Dec 20, 2017
Jan 4, 2018; Invoice: 352650

Report Summary

Date Received: Dec 20, 2017

FCL Project Manager: June S. Flowers

Laboratory # 352650GW1
Sample Description SW-2/21062

Analysis	Chemist	Location	Sample Matrix
COLILERT-18	ECG	Main Lab	Surface Water
EPA245.1	EVG	Main Lab	
EPA350.1	PCW	Main Lab	
EPA351.2	VLB	Main Lab	
EPA353.2	PCW	Main Lab	
EPA385.4	VLB	Main Lab	
EPA410.4	CTH	Main Lab	
EPA6010	EVG	Main Lab	
EPA6020	EVG	Main Lab	
EPA8011	DLJ	Main Lab	
EPA8260	CLS	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	TRB	Main Lab	
SM2340 B	EVG	Main Lab	
SM2540 C	PLB	Main Lab	
SM2540 D	PLB	Main Lab	
SM5210 B	OKS	Main Lab	
SM5310 C	CLS	Main Lab	
TotNit			
EPA8260	CLS	Main Lab	Surface Water

352650GW2 Trip Blank 2

Certificate of Results

Sample integrity was certified prior to analysis. Test results meet all requirements of the NELAP 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



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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Analysis Report

Lab #: 352650GW1 Sampled: 12/20/17 11:00 AM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Total Nitrogen(as N)	0.850		0				ToNit	17778-88-0	01/02/18
Unionized NH3(as N)	0.000100 U	mg/L	1.00	0.000100	0.000200	10274203	FDEP DEP-SOF		01/02/18
Chemical Oxygen Demand	45.6	mg/L	1.00	10.0	20.0	10282904	EPA410.4	C-004	12/28/17
TOC	20.8	mg/L	1.00	1.00	2.00	10354159	SM5310 C	E701250	12/20/17
Fecal Coliform	14.7	mpn/100mL	1.00	1.00	1.00	10359386	COLILERT-18	E761792	02:45 PM
Nitrate(as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10359418	EPA353.2	14797-55-8	12/21/17
Nitrite(as N)	0.0200 U	mg/L	1.00	0.0200	0.0400	10359418	EPA353.2	14797-55-8	03:00 PM
Chlorophyll a	0.0200 U	ug/L	1.00	0.0200	0.150	10359571	SM10200 H	14797-65-0	03:00 PM
TSS	2.25	mg/L	1.00	1.00	2.00	10359784	SM2540 D	479-61-8	12/22/17
BOD5day	2.29	mg/L	1.00	2.00	2.00	10359850	SM5210 B	E1642818	12/23/17
TDS	234	mg/L	1.00	2.50	5.00	10359858	SM2540 C	E1640606	12/23/17
Field pH (units)	6.76	pH	1.00	0.0100	0.0200	10359970	FT1100	C006	12/20/17
Field Conductivity	345	umhos/cm	1.00	0.100	0.100	10359972	FT1200		12/20/17
Field Temp. (C)	17.6	oC	1.00	0.100	0.100	10359973	FT1400		12/20/17
Field DO	1.84	mg/L	1.00	0.100	0.100	10359974	FT1500		12/20/17
Field Turbidity	3.00	NTU	1.00	0.100	0.100	10359975	FT1600		12/20/17
1,1,1,2-Tetrachloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	630-20-6	12/27/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	71-55-6	12/27/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359998	EPA8260	79-34-5	12/27/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	79-00-5	12/27/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-34-3	12/27/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-35-4	12/27/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359998	EPA8260	107-06-2	12/27/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359998	EPA8260	78-87-5	12/27/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	78-93-3	12/27/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	591-78-6	12/27/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359998	EPA8260	67-64-1	12/27/17



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Phone: 772-343-8006 E86562 (South Lab)
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Phone: 305-743-8598 E35834 (Keys Lab)

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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Lab #: 352650GW1 Sampled: 12/20/17 11:00 AM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359998	EPA8260	107-13-1	12/27/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	71-43-2	12/27/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359998	EPA8260	074-97-5	12/27/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359998	EPA8260	75-27-4	12/27/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-25-2	12/27/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	74-83-9	12/27/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	75-15-0	12/27/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	56-23-5	12/27/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	108-90-7	12/27/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-00-3	12/27/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	67-66-3	12/27/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	74-87-3	12/27/17
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359998	EPA8260	124-48-1	12/27/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	074-95-3	12/27/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	100-41-4	12/27/17
Methyl Iodide	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	074-88-4	12/27/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	108-10-1	12/27/17
Methylene chloride	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	75-09-2	12/27/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	106-46-7	12/27/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	100-42-5	12/27/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	127-18-4	12/27/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	108-88-3	12/27/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	79-01-6	12/27/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-69-4	12/27/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359998	EPA8260	108-05-4	12/27/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-01-4	12/27/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	1330-20-7	12/27/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359998	EPA8260	156-59-2	12/27/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	10061-01-5	12/27/17

FLDOH: E83018 (Main Lab) FLDOH: E86562 (South Lab) FLDOH: E82405 (North Lab) FLDOH: E35834 (Keys Lab)



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Atkins-Tampa

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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Lab #: 352650GW1 Sampled: 12/20/17 11:00 AM Desc: SW-2/21062

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	95-50-1	12/27/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	156-60-5	12/27/17
trans-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	10061-02-6	12/27/17
trans-1,4-dichloro-2-butene	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	110-57-6	12/27/17
Surr:1,2-Dichloroethane-d4 (50-170%)	107.93%		1.00	0.0100	0.0100	10359998	EPA8260		12/27/17
Surr:Bromofluorobenzene (50-170%)	100.13%		1.00	1.00	1.00	10359998	EPA8260		12/27/17
Surr:Toluene-d8 (50-170%)	100.73%		1.00	0.0100	0.0100	10359998	EPA8260	460-00-4	12/27/17
Mercury	0.0000200 U	mg/L	1.00	0.0000200	0.0000400	10360220	EPA245.1	7439-97-6	12/27/17
Ammonia (as N)	0.0100 U	mg/L	1.00	0.0100	0.0200	10360257	EPA350.1	7664-41-7	01/02/18
Aluminum	0.0100 U	mg/L	1.00	0.0100	0.0200	10360294	EPA6020	7429-90-5	01/02/18
Antimony	0.00200 U	mg/L	1.00	0.00200	0.00800	10360294	EPA6020	7440-36-0	01/02/18
Arsenic	0.00100 U	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7440-38-2	01/02/18
Barium	0.00330 U	mg/L	1.00	0.00200	0.00400	10360294	EPA6020	7440-39-3	01/02/18
Beryllium	0.000500 U	mg/L	1.00	0.000500	0.00100	10360294	EPA6020	7440-41-7	01/02/18
Cadmium	0.000200 U	mg/L	1.00	0.000200	0.000400	10360294	EPA6020	7440-43-9	01/02/18
Chromium	0.00370	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7440-47-3	01/02/18
Cobalt	0.00100 U	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7440-48-4	01/02/18
Copper	0.00100 U	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7440-50-8	01/02/18
Lead	0.00100 U	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7439-92-1	01/02/18
Nickel	0.00100 U	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7440-02-0	01/02/18
Selenium	0.00200 U	mg/L	1.00	0.00200	0.00400	10360294	EPA6020	7782-49-2	01/02/18
Silver	0.000500 U	mg/L	1.00	0.000500	0.00100	10360294	EPA6020	7440-22-4	01/02/18
Thallium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7440-28-0	01/02/18
Vanadium	0.00100 U	mg/L	1.00	0.00100	0.00200	10360294	EPA6020	7440-62-2	01/02/18
Zinc	0.0100 U	mg/L	1.00	0.0100	0.0200	10360294	EPA6020	7440-66-6	01/02/18
Iron	0.751	mg/L	1.00	0.0100	0.0200	10360315	EPA6010	7439-89-6	01/02/18
Total Hardness (as CaCO3)	134	mg/L	1.00	0.100	0.200	10360323	SM2340 B	40-11-9	01/02/18
Total Phosphorus(as P)	1.13	mg/L	1.00	0.0400	0.100	10360426	EPA365.4	7723-14-0	01/04/18
TKN(as N)	0.850	mg/L	1.00	0.200	0.400	10360428	EPA351.2	7727-37-9	01/04/18



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Tampa, FL 33607

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Lab #:	352650GW1	Sampled:	12/20/17 11:00 AM	Desc:	SW-2/21062					
Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed	
1,2,3-Trichloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	096-18-4	12/22/17	
1,2-Dibromoethane (EDB)	0.0100 U	ug/L	1.00	0.0100	0.0200	10360498	EPA8011	106-93-4	12/22/17	
1,2-dibromo-3-chloropropane	0.0200 U	ug/L	1.00	0.0200	0.0400	10360498	EPA8011	96-12-8	12/22/17	

Lab #:	352650GW2	Sampled:	12/20/17 11:00 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	10359998	EPA8260	630-20-6	12/27/17
1,1,1-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	71-55-6	12/27/17
1,1,2,2-Tetrachloroethane	0.100 U	ug/L	1.00	0.100	0.200	10359998	EPA8260	79-34-5	12/27/17
1,1,2-Trichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	79-00-5	12/27/17
1,1-Dichloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-34-3	12/27/17
1,1-Dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-35-4	12/27/17
1,2-dichloroethane	0.500 U	ug/L	1.00	0.500	0.500	10359998	EPA8260	107-06-2	12/27/17
1,2-dichloropropane	0.200 U	ug/L	1.00	0.200	0.400	10359998	EPA8260	78-87-5	12/27/17
2-Butanone (MEK)	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	78-93-3	12/27/17
2-Hexanone	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	591-78-6	12/27/17
Acetone	5.00 U	ug/L	1.00	5.00	10.0	10359998	EPA8260	67-64-1	12/27/17
Acrylonitrile	0.300 U	ug/L	1.00	0.300	0.600	10359998	EPA8260	107-13-1	12/27/17
Benzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	71-43-2	12/27/17
Bromochloromethane	0.100 U	ug/L	1.00	0.100	0.100	10359998	EPA8260	074-97-5	12/27/17
Bromodichloromethane	0.100 U	ug/L	1.00	0.100	0.200	10359998	EPA8260	75-27-4	12/27/17
Bromoform	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-25-2	12/27/17
Bromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	74-83-9	12/27/17
Carbon Disulfide	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	75-15-0	12/27/17
Carbon Tetrachloride	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	56-23-5	12/27/17
Chlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	108-90-7	12/27/17
Chloroethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-00-3	12/27/17
Chloroform	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	67-66-3	12/27/17
Chloromethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	74-87-3	12/27/17



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Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Lab #: 352650GW2 Sampled: 12/20/17 11:00 AM Desc: Trip Blank 2

Parameter	Result	Units	DF	MDL	PQL	QC Batch	Method	CAS #	Analyzed
Dibromochloromethane	0.400 U	ug/L	1.00	0.400	0.800	10359998	EPA8260	124-48-1	12/27/17
Dibromomethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	074-95-3	12/27/17
Ethylbenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	100-41-4	12/27/17
Methyl iodide	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	074-88-4	12/27/17
Methyl isobutyl ketone	1.00 U	ug/L	1.00	1.00	2.00	10359998	EPA8260	108-10-1	12/27/17
Methylene chloride	2.47	ug/L	1.00	1.00	2.00	10359998	EPA8260	75-09-2	12/27/17
Para-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	106-46-7	12/27/17
Styrene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	100-42-5	12/27/17
Tetrachloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	127-18-4	12/27/17
Toluene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	108-88-3	12/27/17
Trichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	79-01-6	12/27/17
Trichlorofluoromethane	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-69-4	12/27/17
Vinyl Acetate	10.0 U	ug/L	1.00	10.0	10.0	10359998	EPA8260	108-05-4	12/27/17
Vinyl chloride	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	75-01-4	12/27/17
Xylenes	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	1330-20-7	12/27/17
cis-1,2-dichloroethene	0.200 U	ug/L	1.00	0.200	0.400	10359998	EPA8260	156-59-2	12/27/17
cis-1,3-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	10061-01-5	12/27/17
o-dichlorobenzene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	95-50-1	12/27/17
trans-1,2-dichloroethene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	156-60-5	12/27/17
trans-1,3,-Dichloropropene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	10061-02-6	12/27/17
trans-1,4-dichloro-2-butene	0.500 U	ug/L	1.00	0.500	1.00	10359998	EPA8260	110-57-6	12/27/17
Surr: 1,2-Dichloroethane-d4 (50-170%)	108.13%		1.00	0.0100	0.0100	10359998	EPA8260		12/27/17
Surr: Bromofluorobenzene (50-170%)	102.37%		1.00	1.00	1.00	10359998	EPA8260		12/27/17
Surr: Toluene-d8 (50-170%)	100.37%		1.00	0.0100	0.0100	10359998	EPA8260	460-00-4	12/27/17



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Quality Report

Quality Control Batch: 10274203		Analyst: PCW	
Blank	Result	Units	
Unionized NH3(as N)	0.000100U	mg/L	
Quality Control Batch: 10282904		Analyst: CTH	
Blank	Result	Units	
Chemical Oxygen Demand	20.0U	mg/L	
Laboratory Control Sample	Result	Units	
Chemical Oxygen Demand	406	mg/L	Spike 500
			%REC 81.20
Matrix Spike	Result	Units	
Chemical Oxygen Demand	323	mg/L	Spike 200
			%REC 137.62
Matrix Spike Duplicate	Result	Units	
Chemical Oxygen Demand	323	mg/L	Spike 200
			%REC 137.62
			RPD 0.00
			RPD Lim 20.00
Quality Control Batch: 10354159		Analyst: CLS	
Blank	Result	Units	
TOC	1.00U	mg/L	
Laboratory Control Sample	Result	Units	
TOC	9.57	mg/L	Spike 10.0
			%REC 95.67
Matrix Spike	Result	Units	
TOC	26.3	mg/L	Spike 10.0
			%REC 84.97
Matrix Spike Duplicate	Result	Units	
			Spike 10.0
			%REC 84.97
			RPD 17.8
			RPD Lim 20.00



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Quality Control Batch: 10354159	Analyst: CLS						
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD
TOC	26.2	mg/L	10.0	83.86	80.00-120.00	17.8	0.42
							RPD Lim
							20.00

Quality Control Batch: 10359418	Analyst: PCW						
Blank	Result	Units					
Nitrate(as N)	0.0100U	mg/L					
Nitrite(as N)	0.0200U	mg/L					
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim		
Nitrate(as N)	0.850	mg/L	1.00	85.00	85.00-115.00		
Nitrite(as N)	1.11	mg/L	1.00	111.00	85.00-115.00		

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	
Nitrate(as N)	12.2	mg/L	4.00	98.50	85.00-115.00	8.26	
Nitrite(as N)	4.46	mg/L	4.00	111.50	85.00-115.00	0.0200U	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD Lim
Nitrate(as N)	12.2	mg/L	4.00	98.50	85.00-115.00	8.26	20.00
Nitrite(as N)	4.47	mg/L	4.00	111.75	85.00-115.00	0.0200U	20.00

Quality Control Batch: 10359571	Analyst: TRB						
Blank	Result	Units					
Chlorophyll a	0.0200U	µg/L					

Quality Control Batch: 10359784	Analyst: PLB						
Blank	Result	Units					
TSS	1.00U	mg/L					



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Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim
TSS	96.0	mg/L	97.2	98.75	50.00-150.00

Quality Control Batch: 10359850	Analyst: OKS
Blank	Result
BOD5day	2.00U
Laboratory Control Sample	Result
BOD5day	181
	Units
	mg/L
	Spike
	198
	%REC
	91.41
	%REC Lim
	85.00-115.00

Quality Control Batch: 10359858	Analyst: PLB
Blank	Result
TDS	2.50U
Laboratory Control Sample	Result
TDS	1460
	Units
	mg/L
	Spike
	1500
	%REC
	97.33
	%REC Lim
	50.00-150.00

Quality Control Batch: 10359998	Analyst: CLS
Blank	Result
1,1,1,2-Tetrachloroethane	0.500U
1,1,1-Trichloroethane	0.500U
1,1,2,2-Tetrachloroethane	0.100U
1,1,2-Trichloroethane	0.500U
	Units
	ug/L
	ug/L
	ug/L
	ug/L



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Quality Control Batch: 10359998

Analyst: CLS

Blank	Result	Units
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
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
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
Para-dichlorobenzene	0.500U	ug/L
Styrene	0.500U	ug/L
Tetrachloroethene	0.500U	ug/L
Toluene	0.500U	ug/L



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Quality Control Batch: 10359998

Analyst: CLS

Blank	Result	Units
Trichloroethene	0.500U	ug/L
Trichlorofluoromethane	0.500U	ug/L
Vinyl Acetate	10.0U	ug/L
Vinyl chloride	0.500U	ug/L
Xylenes	0.500U	ug/L
cis-1,2-dichloroethene	0.200U	ug/L
cis-1,3-Dichloropropene	0.500U	ug/L
o-dichlorobenzene	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
Surr:1,2-Dichloroethane-d4	32.7	ug/L
Surr:Bromofluorobenzene	30.2	ug/L
Surr:Toluene-d8	30.4	ug/L

Laboratory Control Sample

	Result	Units	Spike	%REC	%REC Lim
1,1,1,2-Tetrachloroethane	45.6	ug/L	40.0	113.95	50.00-170.00
1,1,1-Trichloroethane	51.9	ug/L	40.0	129.80	50.00-170.00
1,1,2,2-Tetrachloroethane	40.2	ug/L	40.0	100.57	50.00-170.00
1,1,2-Trichloroethane	39.3	ug/L	40.0	98.30	50.00-170.00
1,1-Dichloroethane	52.0	ug/L	40.0	130.00	50.00-170.00
1,1-Dichloroethene	39.0	ug/L	40.0	97.55	50.00-170.00
1,2-dichloroethane	40.7	ug/L	40.0	101.65	50.00-170.00
1,2-dichloropropane	44.6	ug/L	40.0	111.38	50.00-170.00
2-Butanone (MEK)	41.4	ug/L	40.0	103.60	50.00-170.00
2-Hexanone	41.0	ug/L	40.0	102.45	50.00-170.00
Acetone	41.6	ug/L	40.0	104.10	50.00-170.00
Acrylonitrile	43.6	ug/L	40.0	108.88	50.00-170.00
Benzene	39.4	ug/L	40.0	98.45	50.00-170.00



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10359998

Laboratory Control Sample	Analyst: CLS		Spike	%REC	%REC Lim
	Result	Units			
Bromochloromethane	40.5	ug/L	40.0	101.17	50.00-170.00
Bromodichloromethane	46.6	ug/L	40.0	116.40	50.00-170.00
Bromoform	44.9	ug/L	40.0	112.28	50.00-170.00
Bromomethane	27.1	ug/L	40.0	67.85	50.00-170.00
Carbon Disulfide	48.5	ug/L	40.0	121.20	50.00-170.00
Carbon Tetrachloride	48.8	ug/L	40.0	122.00	50.00-170.00
Chlorobenzene	38.5	ug/L	40.0	96.15	50.00-170.00
Chloroethane	37.8	ug/L	40.0	94.45	50.00-170.00
Chloroform	38.3	ug/L	40.0	95.80	50.00-170.00
Chloromethane	26.8	ug/L	40.0	67.05	50.00-170.00
Dibromochloromethane	48.7	ug/L	40.0	121.65	50.00-170.00
Dibromomethane	39.0	ug/L	40.0	97.45	50.00-170.00
Ethylbenzene	40.9	ug/L	40.0	102.25	50.00-170.00
Methyl Iodide	31.5	ug/L	40.0	78.62	50.00-170.00
Methyl isobutyl ketone	38.9	ug/L	40.0	97.15	50.00-170.00
Methylene chloride	37.3	ug/L	40.0	93.12	50.00-170.00
Para-dichlorobenzene	35.2	ug/L	40.0	87.97	50.00-170.00
Styrene	36.3	ug/L	40.0	90.73	50.00-170.00
Tetrachloroethene	40.8	ug/L	40.0	101.87	50.00-170.00
Toluene	39.8	ug/L	40.0	99.38	50.00-170.00
Trichloroethene	37.3	ug/L	40.0	93.28	50.00-170.00
Trichlorofluoromethane	44.8	ug/L	40.0	112.10	50.00-170.00
Vinyl chloride	33.1	ug/L	40.0	82.85	50.00-170.00
Xylenes	126	ug/L	120	105.23	50.00-170.00
cis-1,2-dichloroethene	39.9	ug/L	40.0	99.80	50.00-170.00
cis-1,3-Dichloropropene	37.6	ug/L	40.0	94.05	50.00-170.00
o-dichlorobenzene	38.3	ug/L	40.0	95.85	50.00-170.00
trans-1,2-dichloroethene	40.7	ug/L	40.0	101.80	50.00-170.00
trans-1,3,-Dichloropropene	34.2	ug/L	40.0	85.50	50.00-170.00

FLDOH: E83018 (Main Lab)

FLDOH: E86562 (South Lab)

FLDOH: E82405 (North Lab)

FLDOH: E35834 (Keys Lab)



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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 LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10359998

Analyst: CLS

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim	Sample
31.9	ug/L	30.0	106.47	50.00-170.00	0.500U
29.9	ug/L	30.0	99.53	50.00-170.00	0.500U
30.6	ug/L	30.0	102.10	50.00-170.00	0.100U

Matrix Spike

Result	Units	Spike	%REC	%REC Lim	Sample
23.1	ug/L	20.0	115.30	50.00-170.00	0.500U
32.2	ug/L	20.0	161.15	50.00-170.00	0.500U
19.8	ug/L	20.0	98.85	50.00-170.00	0.100U
19.0	ug/L	20.0	95.00	50.00-170.00	0.500U
26.6	ug/L	20.0	132.95	50.00-170.00	0.500U
17.1	ug/L	20.0	85.65	50.00-170.00	0.500U
19.7	ug/L	20.0	98.45	50.00-170.00	0.500U
21.7	ug/L	20.0	108.35	50.00-170.00	0.200U
18.7	ug/L	20.0	93.35	50.00-170.00	0.500U
18.3	ug/L	20.0	91.65	50.00-170.00	0.500U
19.8	ug/L	20.0	98.90	50.00-170.00	5.00U
19.9	ug/L	20.0	99.30	50.00-170.00	0.300U
19.1	ug/L	20.0	95.25	50.00-170.00	0.500U
19.9	ug/L	20.0	99.25	50.00-170.00	0.100U
23.1	ug/L	20.0	115.30	50.00-170.00	0.100U
23.0	ug/L	20.0	115.00	50.00-170.00	0.500U
22.3	ug/L	20.0	111.55	50.00-170.00	0.500U
27.4	ug/L	20.0	137.00	50.00-170.00	0.500U
19.1	ug/L	20.0	95.65	50.00-170.00	0.500U
24.1	ug/L	20.0	120.55	50.00-170.00	0.500U
18.5	ug/L	20.0	92.70	50.00-170.00	0.500U
15.3	ug/L	20.0	76.40	50.00-170.00	0.500U
24.4	ug/L	20.0	121.80	50.00-170.00	0.400U
19.0	ug/L	20.0	95.15	50.00-170.00	0.500U



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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10359998 Analyst: CLS

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ethylbenzene	20.1	ug/L	20.0	100.55	50.00-170.00	0.500U		
Methyl Iodide	28.0	ug/L	20.0	139.80	50.00-170.00	1.00U		
Methyl isobutyl ketone	17.2	ug/L	20.0	85.75	50.00-170.00	1.00U		
Methylene chloride	18.4	ug/L	20.0	92.20	50.00-170.00	1.00U		
Para-dichlorobenzene	17.7	ug/L	20.0	88.65	50.00-170.00	0.500U		
Styrene	17.1	ug/L	20.0	85.65	50.00-170.00	0.500U		
Tetrachloroethene	18.6	ug/L	20.0	92.90	50.00-170.00	0.500U		
Toluene	19.7	ug/L	20.0	98.70	50.00-170.00	0.500U		
Trichloroethene	18.3	ug/L	20.0	91.35	50.00-170.00	0.500U		
Trichlorofluoromethane	20.7	ug/L	20.0	103.30	50.00-170.00	0.500U		
Vinyl chloride	17.1	ug/L	20.0	85.30	50.00-170.00	0.500U		
Xylenes	61.9	ug/L	60.0	103.13	50.00-170.00	0.500U		
cis-1,2-dichloroethene	19.4	ug/L	20.0	96.80	50.00-170.00	0.200U		
cis-1,3-Dichloropropene	21.9	ug/L	20.0	109.40	50.00-170.00	0.500U		
o-dichlorobenzene	19.0	ug/L	20.0	95.05	50.00-170.00	0.500U		
trans-1,2-dichloroethene	20.5	ug/L	20.0	102.50	50.00-170.00	0.500U		
trans-1,3,-Dichloropropene	20.7	ug/L	20.0	103.40	50.00-170.00	0.500U		
Surr: 1,2-Dichloroethane-d4	31.2	ug/L	30.0	103.90	50.00-170.00	0.500U		
Surr: Bromofluorobenzene	29.9	ug/L	30.0	99.67	50.00-170.00			
Surr: Toluene-d8	30.1	ug/L	30.0	100.20	50.00-170.00			
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,1,1,2-Tetrachloroethane	26.5	ug/L	20.0	132.45	50.00-170.00	0.500U	13.84	30.00
1,1,1-Trichloroethane	38.5	ug/L	20.0	192.60	50.00-170.00	0.500U	17.78	30.00
1,1,2,2-Tetrachloroethane	21.7	ug/L	20.0	108.60	50.00-170.00	0.100U	9.40	30.00
1,1,2-Trichloroethane	20.7	ug/L	20.0	103.55	50.00-170.00	0.500U	8.61	30.00
1,1-Dichloroethane	30.2	ug/L	20.0	150.85	50.00-170.00	0.500U	12.61	30.00
1,1-Dichloroethene	17.6	ug/L	20.0	88.15	50.00-170.00	0.500U	2.88	30.00
1,2-dichloroethane	21.4	ug/L	20.0	107.00	50.00-170.00	0.500U	8.32	30.00



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Dec 20, 2017
Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10359998			Analyst: CLS						
Matrix	Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
1,2-dichloropropane		24.2	ug/L	20.0	121.00	50.00-170.00	0.200U	11.03	30.00
		21.3	ug/L	20.0	106.25	50.00-170.00	0.500U	12.93	30.00
	2-Butanone (MEK)	21.0	ug/L	20.0	104.75	50.00-170.00	0.500U	13.34	30.00
Acetone		19.8	ug/L	20.0	98.75	50.00-170.00	5.00U	0.15	30.00
Acrylonitrile		22.4	ug/L	20.0	112.00	50.00-170.00	0.300U	12.02	30.00
Benzene		20.8	ug/L	20.0	104.15	50.00-170.00	0.500U	8.93	30.00
Bromochloromethane		22.1	ug/L	20.0	110.55	50.00-170.00	0.100U	10.77	30.00
Bromodichloromethane		26.1	ug/L	20.0	130.35	50.00-170.00	0.100U	12.25	30.00
Bromoform		25.8	ug/L	20.0	129.20	50.00-170.00	0.500U	11.63	30.00
Bromomethane		23.7	ug/L	20.0	118.30	50.00-170.00	0.500U	5.87	30.00
Carbon Tetrachloride		33.8	ug/L	20.0	168.75	50.00-170.00	0.500U	20.77	30.00
Chlorobenzene		20.6	ug/L	20.0	103.10	50.00-170.00	0.500U	7.50	30.00
Chloroethane		23.0	ug/L	20.0	114.80	50.00-170.00	0.500U	4.89	30.00
Chloroform		20.5	ug/L	20.0	102.70	50.00-170.00	0.500U	10.24	30.00
Chloromethane		16.9	ug/L	20.0	84.50	50.00-170.00	0.500U	10.07	30.00
Dibromochloromethane		27.9	ug/L	20.0	139.45	50.00-170.00	0.400U	13.51	30.00
Dibromomethane		21.5	ug/L	20.0	107.40	50.00-170.00	0.500U	12.10	30.00
Ethylbenzene		21.8	ug/L	20.0	108.90	50.00-170.00	0.500U	7.97	30.00
Methyl Iodide		33.1	ug/L	20.0	165.45	50.00-170.00	1.00U	16.81	30.00
Methyl isobutyl ketone		19.4	ug/L	20.0	97.15	50.00-170.00	1.00U	12.47	30.00
Methylene chloride		20.1	ug/L	20.0	100.50	50.00-170.00	1.00U	8.61	30.00
Para-dichlorobenzene		19.0	ug/L	20.0	95.10	50.00-170.00	0.500U	7.02	30.00
Styrene		18.8	ug/L	20.0	93.90	50.00-170.00	0.500U	9.19	30.00
Tetrachloroethene		18.8	ug/L	20.0	93.80	50.00-170.00	0.500U	0.96	30.00
Toluene		21.3	ug/L	20.0	106.70	50.00-170.00	0.500U	7.79	30.00
Trichloroethane		19.4	ug/L	20.0	97.15	50.00-170.00	0.500U	6.15	30.00
Trichlorofluoromethane		22.8	ug/L	20.0	114.05	50.00-170.00	0.500U	9.89	30.00
Vinyl chloride		18.0	ug/L	20.0	90.10	50.00-170.00	0.500U	5.47	30.00
Xylenes		67.7	ug/L	60.0	112.88	50.00-170.00	0.500U	9.03	30.00



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

PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10359998		Analyst: CLS					
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD Lim
cis-1,2-dichloroethene	20.8	ug/L	20.0	103.75	50.00-170.00	0.200U	30.00
cis-1,3-Dichloropropene	27.1	ug/L	20.0	135.60	50.00-170.00	0.500U	30.00
o-dichlorobenzene	20.7	ug/L	20.0	103.25	50.00-170.00	0.500U	30.00
trans-1,2-dichloroethene	21.9	ug/L	20.0	109.35	50.00-170.00	0.500U	30.00
trans-1,3,-Dichloropropene	25.4	ug/L	20.0	126.90	50.00-170.00	0.500U	30.00
Surr: 1,2-Dichloroethane-d4	31.9	ug/L	30.0	106.30	50.00-170.00		30.00
Surr: Bromofluorobenzene	30.1	ug/L	30.0	100.17	50.00-170.00		30.00
Surr: Toluene-d8	30.5	ug/L	30.0	101.50	50.00-170.00		30.00

Quality Control Batch: 10360220		Analyst: EVB					
Blank	Result	Units					
Mercury	0.0000200U	mg/L					
Laboratory Control Sample	Result	Units	Spike	%REC	%REC Lim		
Mercury	0.00101	mg/L	0.00100	101.20	80.00-120.00		
Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	
Mercury	0.00307	mg/L	0.00300	102.70	80.00-120.00	-0.0000139	
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD
Mercury	0.00300	mg/L	0.00300	100.53	80.00-120.00	-0.0000139	2.14
							RPD Lim 20.00

Quality Control Batch: 10360257		Analyst: PCW	
Blank	Result	Units	
Ammonia (as N)	0.0100U	mg/L	
Laboratory Control Sample		Result	Spike
Ammonia (as N)	2.10	mg/L	2.00
		%REC	%REC Lim
		105.00	85.00-115.00



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Matrix Spike	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	1.16	mg/L	1.00	116.20	85.00-115.00	0.0100U	2.53	20.00
Matrix Spike Duplicate	Result	Units	Spike	%REC	%REC Lim	Sample	RPD	RPD Lim
Ammonia (as N)	1.13	mg/L	1.00	113.30	85.00-115.00	0.0100U	2.53	20.00

Quality Control Batch: 10360294

Analyst: EVB

Blank	Result	Units
Aluminum	0.0100U	mg/L
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

	Result	Units	Spike	%REC	%REC Lim
Aluminum	0.358	mg/L	0.400	89.47	80.00-120.00
Antimony	0.384	mg/L	0.400	95.88	80.00-120.00
Arsenic	0.371	mg/L	0.400	92.70	80.00-120.00
Barium	0.394	mg/L	0.400	98.58	80.00-120.00
Beryllium	0.373	mg/L	0.400	93.18	80.00-120.00



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Tampa, FL 33607

PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAN
Date Sampled: Dec 20, 2017
Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10360294 Analyst: EVB

Laboratory Control Sample

Result	Units	Spike	%REC	%REC Lim
0.379	mg/L	0.400	94.75	80.00-120.00
0.410	mg/L	0.400	102.40	80.00-120.00
0.402	mg/L	0.400	100.45	80.00-120.00
0.391	mg/L	0.400	97.80	80.00-120.00
0.399	mg/L	0.400	99.75	80.00-120.00
0.399	mg/L	0.400	99.85	80.00-120.00
0.381	mg/L	0.400	95.27	80.00-120.00
0.375	mg/L	0.400	93.62	80.00-120.00
0.383	mg/L	0.400	95.67	80.00-120.00
0.405	mg/L	0.400	101.12	80.00-120.00
0.388	mg/L	0.400	96.95	80.00-120.00

Matrix Spike

Result	Units	Spike	%REC	%REC Lim	Sample
0.370	mg/L	0.400	92.57	75.00-125.00	0.0100U
0.383	mg/L	0.400	95.82	75.00-125.00	0.00200U
0.330	mg/L	0.400	82.52	75.00-125.00	0.00100U
0.445	mg/L	0.400	87.32	75.00-125.00	0.0956
0.378	mg/L	0.400	94.55	75.00-125.00	0.000500U
0.334	mg/L	0.400	83.40	75.00-125.00	0.000200U
0.410	mg/L	0.400	101.52	75.00-125.00	0.00360
0.379	mg/L	0.400	94.75	75.00-125.00	0.00100U
0.335	mg/L	0.400	83.75	75.00-125.00	0.00100U
0.382	mg/L	0.400	95.43	75.00-125.00	0.00100U
0.357	mg/L	0.400	88.82	75.00-125.00	0.00150
0.342	mg/L	0.400	85.55	75.00-125.00	0.00200U
0.382	mg/L	0.400	95.55	75.00-125.00	0.000500U
0.388	mg/L	0.400	96.87	75.00-125.00	0.00100U
0.429	mg/L	0.400	106.57	75.00-125.00	0.00250
0.358	mg/L	0.400	89.37	75.00-125.00	0.0100U



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PO #: 40612
Client Project #: HARDEE COUNTY REGIONAL LAND
Date Sampled: Dec 20, 2017
Jan 4, 2018: Invoice: 352650

Quality Control Batch: 10360315			Analyst: EVB		
Blank Iron	Result	0.0100U	Units	mg/L	
Laboratory Control Sample Iron	Result	5.05	Units	mg/L	Spike
				%REC	%REC Lim
				101.08	80.00-120.00
Matrix Spike Iron	Result	5.83	Units	mg/L	Spike
				%REC	%REC Lim
				102.99	75.00-125.00
				Sample	0.676
Matrix Spike Duplicate Iron	Result	5.75	Units	mg/L	Spike
				%REC	%REC Lim
				101.58	75.00-125.00
				Sample	0.676
				RPD	1.22
					RPD Lim
					20.00



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PO #: 40612

Client Project #: HARDEE COUNTY REGIONAL LAN

Date Sampled: Dec 20, 2017

Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10360323		Analyst: EVB	
Blank	Result	Units	
Total Hardness (as CaCO3)	0.100U	mg/L	
Quality Control Batch: 10360426		Analyst: VLB	
Blank	Result	Units	
Total Phosphorus(as P)	0.0400U	mg/L	
Laboratory Control Sample			
Total Phosphorus(as P)	Result	Units	%REC
	1.59	mg/L	105.93
		Spike	%REC Lim
		1.50	85.00-115.00
Matrix Spike			
Total Phosphorus(as P)	Result	Units	%REC
	2.26	mg/L	129.25
		Spike	%REC Lim
		1.50	85.00-115.00
		Sample	Sample
			0.322
Matrix Spike Duplicate			
Total Phosphorus(as P)	Result	Units	%REC
	2.27	mg/L	129.72
		Spike	%REC Lim
		1.50	85.00-115.00
		Sample	Sample
			0.322
		RPD	RPD Lim
		0.31	20.00
Quality Control Batch: 10360428		Analyst: VLB	
Blank	Result	Units	
TKN(as N)	0.200U	mg/L	
Laboratory Control Sample			
TKN(as N)	Result	Units	%REC
	2.96	mg/L	98.64
		Spike	%REC Lim
		3.00	85.00-115.00
Matrix Spike			
TKN(as N)	Result	Units	%REC
	2.83	mg/L	80.30
		Spike	%REC Lim
		3.00	80.00-120.00
		Sample	Sample
			0.420
Matrix Spike Duplicate			
TKN(as N)	Result	Units	%REC
	2.85	mg/L	81.04
		Spike	%REC Lim
		3.00	80.00-120.00
		Sample	Sample
			0.420
		RPD	RPD Lim
		0.79	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 LAN
Date Sampled: Dec 20, 2017
Jan 4, 2018; Invoice: 352650

Quality Control Batch: 10360498		Analyst: DLJ	
Blank	Result	Units	
1,2,3-Trichloropropane	0.0200U	ug/L	
1,2-Dibromoethane (EDB)	0.0100U	ug/L	
1,2-dibromo-3-chloropropane	0.0200U	ug/L	
Laboratory Control Sample	Result	Units	
1,2,3-Trichloropropane	0.279	ug/L	%REC 111.10 50.00-170.00
1,2-Dibromoethane (EDB)	0.306	ug/L	%REC 121.72 50.00-170.00
1,2-dibromo-3-chloropropane	0.332	ug/L	%REC 131.94 50.00-170.00
Matrix Spike	Result	Units	
1,2,3-Trichloropropane	0.269	ug/L	%REC 106.92 50.00-170.00
1,2-Dibromoethane (EDB)	0.288	ug/L	%REC 114.48 50.00-170.00
1,2-dibromo-3-chloropropane	0.255	ug/L	%REC 101.43 50.00-170.00
Matrix Spike Duplicate	Result	Units	
1,2,3-Trichloropropane	0.269	ug/L	%REC 107.08 50.00-170.00
1,2-Dibromoethane (EDB)	0.285	ug/L	%REC 113.25 50.00-170.00
1,2-dibromo-3-chloropropane	0.256	ug/L	%REC 101.83 50.00-170.00
	Sample	RPD	RPD Lim
	0.0200U	0.15	30.00
	0.0100U	1.08	30.00
	0.0200U	0.39	30.00



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Narrative Report

Sample Handling

Sample handling and holding time criteria were met for all samples. Samples collected by submitter. No unusual events occurred during analysis. Results are reported on a wet weight basis for aqueous matrices and on a dry weight basis for sludge and soil matrices unless otherwise noted.

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
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Fax: 850-973-8878

☐ Flowers Chemical Labs Fava

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



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Client Atkins North America Project Name Hardee County Landfill P.O. # 40612
 Address 4030 W. Bay Street Boulevard Client Contact Brad Bayne FAX 813-636-8583
Suite 700, Tampa, FL 33607 FCL Project Manager Brad Bayne E-MAIL brad@atkins.com
 Phone 813-281-8377 Requested Due Date 10 Day Standard OR June Flowers Rush Charges May Apply

Sampled By (PRINT): Bradley J. Bayne Pick-Up Fee \$ 8260 Vehicle Surcharge \$ 8011 Sampling Fee \$ 8011

Date Sampled 12/20/17										PRESERVATIVES				ANALYSES REQUEST		COMMENTS				Total # Containers
GW - ground water SW - surface water SO - soil/solid SL - sludge WW - wastewater HW - waste										H ₂ SO ₄ HNO ₃ HCl Na ₂ S ₂ O ₃				Metals + HARD		UN-100 NH ₃ TOL TSS TOC TD5:OPHYS Chl:OPHYS Fe:cg 8011 8260				
ITEM NO.	SAMPLE ID	DATE	TIME	MATRIX	(LAB USE ONLY) LAB NO.	NONE	H ₂ SO ₄	HNO ₃	HCl	Na ₂ S ₂ O ₃										
1	SW-2	12/20/17	11:00	SW	35205062131															
2	Trip Blank				↓ SW-2															
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
Relinquished By / Affiliation										Accepted By / Affiliation		Date		Time		Date		Time		
Brad Bayne 12/20/17 11:45										Brad Bayne 12/20/17 11:45		12/20/17 11:45		12/20/17 11:45		12/20/17 11:45		12/20/17 11:45		

FINANCE CHARGES APPLIED TO PAST DUE INVOICES

• WHITE - Lab Copy - To Be Scanned

• YELLOW - Client Copy