PASCO COUNTY FLORIDA

Pasco County Utilities Services Branch
Environmental Laboratory
8864 Government Dr.
New Port Richey, Fl 34654

Phone: (727) 847-8902
Fax: (727) 847-8112

DHRS No: E44123

26 June 2019

Waste Management Section
Florida Department of
Environmental Protection
13051 N. Telecom Pkwy.
Temple Terrace, FL 33637

RE: Pasco County Resource Recovery
WACs FAC ID: 45799
Semester I, 2019

To Whom It May Concern:

This submittal is for the Semester I, 2019 groundwater monitoring at the Pasco County Resource Recovery site which includes the West Pasco Class I and Class III landfills. Included in this submittal are the following:

1. Case Narrative.
2. Ground Water Monitoring Report Certification.
3. Summary of Exceeded Analytes.
4. Water Level Table.
5. Groundwater Contour Maps.
6. Groundwater Analytical Reports
7. Groundwater Field Reports
8. Laboratory and Field EDDs
9. Laboratory error logs
10. Export Document

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

Sincerely,

Candia E. Mulhern
Laboratory Manager

Enc.: 1

cc: Charles Cullen, PI Engineering Director
John Power, Solid Waste Director
Justin Roessler, Solid Waste Assistant Director

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Environmental Laboratory
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Office (727) 847-8902
Fax (727) 847-8112

DHRS #E44123

Case Narrative

CLIENT: Pasco County Solid Waste
Pasco County Resource Recovery
Facility #: 45799
Date Sampled: Quarter II, 2019

I. SAMPLING

Laboratory field staff began sampling the groundwater monitoring wells at the Pasco County Resource Recovery Facility on April 11, 2019. The DO probe had been sent for repair during this sampling event requiring samples to be pulled in BOD bottles with air-tight stoppers. The DO was measured upon receipt at the laboratory. No unusual environmental conditions were noted during this sampling period.

II. SAMPLE RECEIVING/CUSTODY

The samples were delivered by laboratory field personnel, received on wet ice, and the temperature of the samples maintained at ≤ 6°C. Samples were processed by the Sample Custody section of the laboratory. The samples, as received, were shipped to PACE Laboratories for analyses. There were no significant logistics or quality problems unless noted below.

III. ANALYTICAL DATA

The samples were analyzed by PACE Laboratories, a TNI certified laboratory. There were no significant logistics or quality problems unless noted below or in the text of the report.

IV. QUALITY CONTROL

There were no significant quality control problems unless noted in the attached QC reports.

V. CONCLUSIONS

The Pasco County Resource Recovery is on a semi-annual monitoring schedule and will continue to be sampled as such. There does not appear to be any outstanding anomalies noted at the site.

Candia E. Mulhern
Laboratory Manager
cmulhern@pascocountyfl.net
(727) 847-8902

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(31), F.A.C
Form Title: Water Quality Monitoring Certification
Effective Date: January 6, 2010
Incorporated in Rule 62-701.510(9), F.A.C.

WATER QUALITY MONITORING CERTIFICATION

PART I GENERAL INFORMATION

(1) Facility Name PASCO COUNTY RESOURCE RECOVERY

Address 14230 HAYS RD.

City SPRING HILL Zip 34610 County PASCO

Telephone Number (727) 856-0119

(2) WACS Facility ID 45799

(3) DEP Permit Number

(4) Authorized Representative's Name Candia E. Mulhern Title Laboratory Manager

Address 8864 Government Dr.

City New Port Richey Zip 34654 County PASCO

Telephone Number (727) 847-8902

Email address (if available) cmulhern@pascocountyfl.net

CERTIFICATION

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

26 June 2019 (Date)

Candia E. Mulhern (Owner or Authorized Representative's Signature)

Digitally signed by Candia E. Mulhern
Date: 2019.06.26 11:19:12 -04'00'

PART II QUALITY ASSURANCE REQUIREMENTS

Sampling Organization Pasco County Utilities Environmental Laboratory

Analytical Lab NELAC / HRS Certification # E44123

Lab Name Pasco County Utilities Environmental Laboratory

Address 8864 Government Dr.

Phone Number (727) 847-8902

Email address (if available) cchildress@pascocountyfl.net

PASCO COUNTY FLORIDA
OPEN SPACES. THRIVING PLACES.

PASCO COUNTY RESOURCE RECOVERY
EXCEEDED ANALYTES
Semester I, 2019

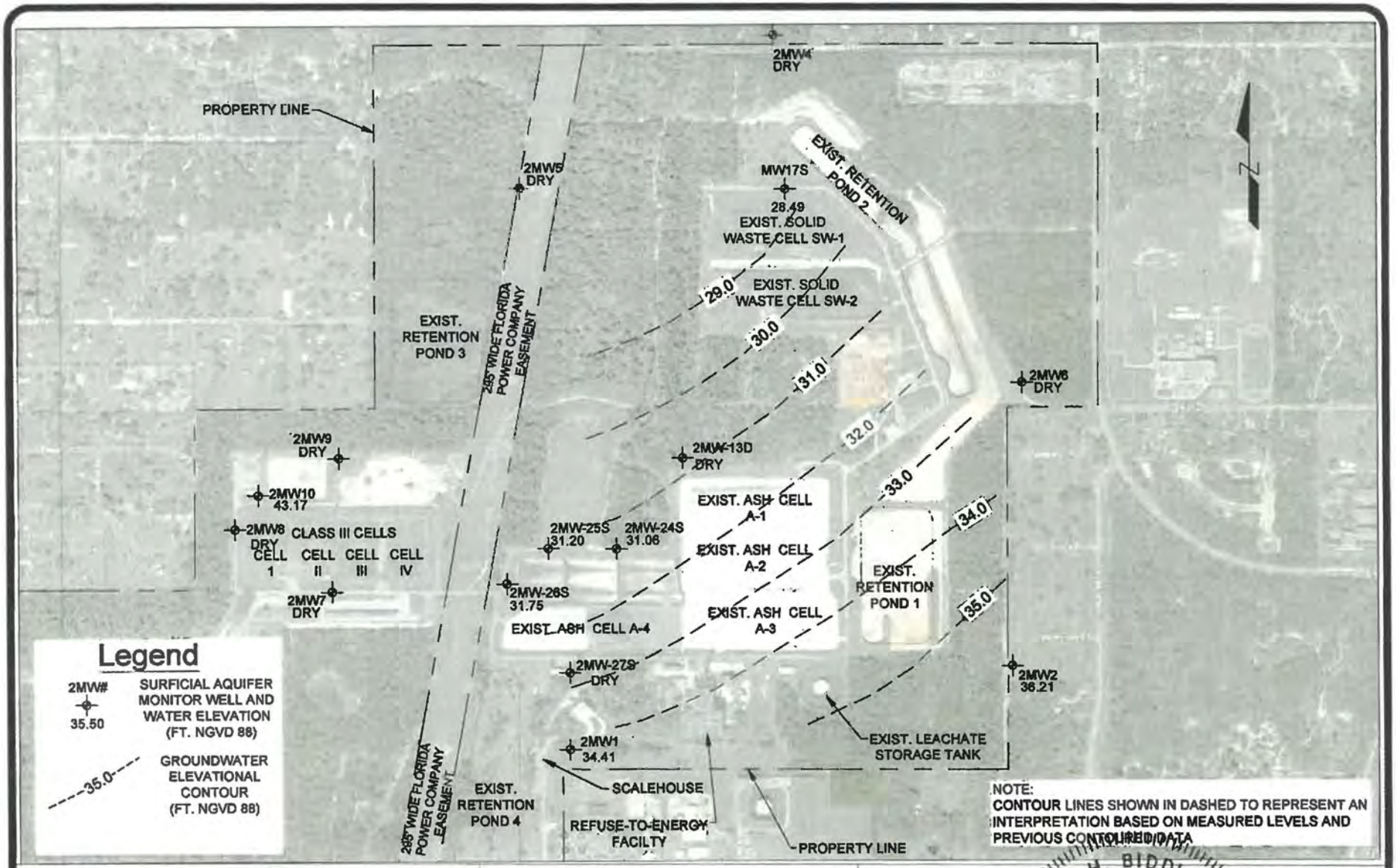
WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	RESAMPLE	RESULT	UNITS
2MW2	30-Apr-19	pH	5.86	std units	No	---	---
		DO	7.50	mg/L	No	---	---
2MW-17S	16-Apr-19	pH	6.36	std units	No	---	---
		DO	5.92	mg/L	No	---	---
		Nitrate-Nitrite	14.0	mg/L	No	---	---
4MW-6	25-Apr-19	DO	5.41	mg/L	No	---	---
4MW-21	12-Apr-19	pH	5.34	std units	No	---	---
		DO	6.71	mg/L	No	---	---
		Iron	640	ug/L	No	---	---

RESOURCE RECOVERY

WATER LEVEL 2019 SEMIANNUAL

WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.	WELL I.D.	DATE DAY-MONTH	SAMPLE TIME 24hr.	T.O.P. ELEVATION	STATIC H2O LEVEL	N.G.V.D.
2MW1	10-Apr	0810	49.95	15.54	34.41	**2MW-13D**	10-Apr	0955	52.39	DRY	NA
4MW1	10-Apr	0810	50.34	15.68	34.66	**4MW-13D**	10-Apr	0955	54.04	23.46	30.58
2MW2	10-Apr	0815	56.41	20.17	36.24	**4MW-14D**	10-Apr	1000	52.00	20.60	31.40
4MW2	10-Apr	0815	56.11	20.40	35.71	**2MW-15DA**	10-Apr	1010	54.71	20.55	34.16
2MW3A	10-Apr	0820	50.01	DRY	NA	**2MW-17S**	10-Apr	1020	53.42	24.93	28.49
4MW3A	10-Apr	0820	52.92	23.50	29.42	**2MW-18D**	10-Apr	1030	52.75	24.35	28.40
2MW4	10-Apr	0826	54.77	DRY	NA	**2MW-19D**	10-Apr	1040	52.25	23.13	29.12
4MW4	10-Apr	0826	50.81	22.38	28.43	**4MW 21**	10-Apr	1040	51.46	20.43	31.03
2MW5	10-Apr	0837	49.17	DRY	NA	**4MW 22**	10-Apr	1045	53.44	23.60	29.84
4MW5	10-Apr	0837	49.06	19.80	29.26	**2MW-24S**	10-Apr	1050	50.37	19.31	31.06
2MW6	10-Apr	0845	56.11	DRY	NA	**2MW-24D**	10-Apr	1100	50.55	19.50	31.05
4MW6	10-Apr	0845	55.95	22.90	33.05	**2MW-25S**	10-Apr	1100	47.84	16.64	31.20
2MW7	10-Apr	900	52.75	DRY	NA	**2MW-25D**	10-Apr	1110	47.87	16.70	31.17
4MW7	10-Apr	0900	52.62	21.38	31.24	**2MW-26S**	10-Apr	1110	54.16	22.41	31.75
2MW8	10-Apr	0910	51.97	DRY	NA	**2MW-26D**	10-Apr	1220	54.13	22.54	31.59
4MW8	10-Apr	0910	51.87	20.64	31.23	**2MW-27S**	10-Apr	1220	50.44	DRY	NA
2MW9	10-Apr	0917	52.29	DRY	NA	**2MW-27D**	10-Apr	1235	50.32	17.42	32.90
4MW9	10-Apr	0917	52.78	22.80	29.98	**4MW-27**	10-Apr	1235	49.60	16.60	33.00
2MW10	10-Apr	0925	52.63	9.46	43.17	**4MW-27D**	10-Apr	1250	49.28	16.30	32.98
4MW-11D	10-Apr	0925	65.00	32.95	32.05						
4MW-12D	10-Apr	0935	55.03	23.95	31.08						

NOTES:



WEST PASCO RESOURCE RECOVERY FACILITY

Surficial Aquifer Groundwater Contour Map 2nd Qtr 2019

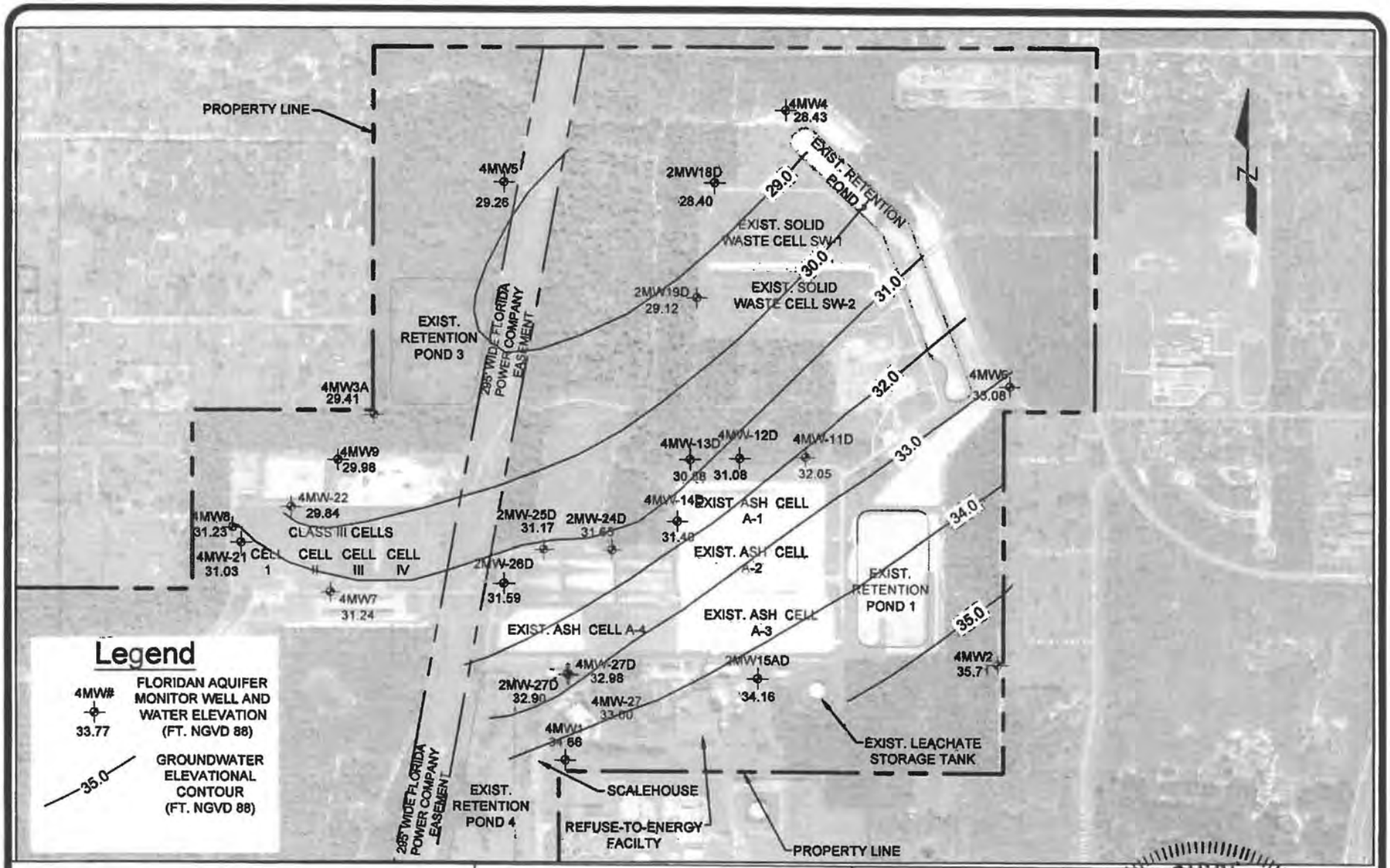
Scale

0 1000 2000 Feet

Project Number:	Date Measured:
18-701.00	April 10, 2019

ALLAN H. BIDDLECOMB LICENSE No. 1258 6/20/2019 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

Approved By:
Allan Biddlecomb, P.G.



WEST PASCO RESOURCE RECOVERY FACILITY

Floridan Aquifer Groundwater Contour Map 2nd Qtr 2019

Scale

0 1000 2000 Feet

Project Number:	Date Measured:
18-701.00	April 10, 2019

ALLAN H. BIDDLECOMBE LICENSE No. 1256 6/20/2019 STATE OF FLORIDA PROFESSIONAL GEOLOGIST

Approved By: Allan Biddlecombe, P.G.

Pasco County Utilities Environmental Laboratory Report

8864 Government Drive
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Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Annamarie Cangialosi, Administrative Secretary
Chris Childress, QA/QC Officer
Hours: Mon-Fri 8am-5pm

Report Date: 5/29/2019

CLIENT/SAMPLE INFORMATION

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

Sample Number:	**AC79744**	Sample ID:	4MW7 @ Res Rec
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/11/2019	Date Received:	4/11/2019
Time Sampled:	11:11	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/11/2019	11:11	GST	342	D	umhos/cm	1
pH Field	FDEP FT 1100	4/11/2019	11:11	GST	7.36	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/11/2019	11:11	GST	25.03	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/11/2019	11:11	GST	14.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/11/2019	11:11	GST	31.24	D	Ft.	0
Color by Observation	Observation	4/11/2019	11:11	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/11/2019	15:25	GST	1.68	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

U = Indicates that the compound was analyzed for but not detected.
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XC = Reported value exceeds the MCL (F.A.C. 62-550).
MCL=Maximum Contaminant Level

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123
EPA Lab Code: FL00137

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CLIENT/SAMPLE INFORMATION

Report Date: 5/29/2019

Pasco County Res Rec
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79745**	Sample ID:	4MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/11/2019	Date Received:	4/11/2019
Time Sampled:	14:50	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/11/2019	14:50	GST	414	D	umhos/cm	1
pH Field	FDEP FT 1100	4/11/2019	14:50	GST	7.27	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/11/2019	14:50	GST	25.45	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/11/2019	14:50	GST	15.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/11/2019	14:50	GST	29.98	D	Ft.	0
Color by Observation	Observation	4/11/2019	14:50	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/11/2019	15:25	GST	1.44	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

West Pasco Res Rec
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79773**	Sample ID:	4MW8 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/12/2019	Date Received:	4/12/2019
Time Sampled:	9:38	Time Received:	14:45
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/12/2019	9:38	GST	357	D	umhos/cm	1
pH Field	FDEP FT 1100	4/12/2019	9:38	GST	7.28	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/12/2019	9:38	GST	25.51	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/12/2019	9:38	GST	13.9	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/12/2019	9:38	GST	20.64	D	Ft.	0
Color by Observation	Observation	4/12/2019	9:38	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/12/2019	14:50	GST	1.46	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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Report Date: 5/29/2019

CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79774**	Sample ID:	4MW21 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/12/2019	Date Received:	4/12/2019
Time Sampled:	10:24	Time Received:	14:45
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/12/2019	10:24	GST	70	D	umhos/cm	1
pH Field	FDEP FT 1100	4/12/2019	10:24	GST	5.34	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/12/2019	10:24	GST	24.83	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/12/2019	10:24	GST	29.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/12/2019	10:24	GST	31.03	D	Ft.	0
Color by Observation	Observation	4/12/2019	10:24	GST	CLOUDY	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/12/2019	14:50	GST	6.71	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl
John Power

Report Date: 5/29/2019

Sample Number:	**AC79775**	Sample ID:	4MW22
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/12/2019	Date Received:	4/12/2019
Time Sampled:	13:11	Time Received:	14:45
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/12/2019	13:11	GST	433	D	umhos/cm	1
pH Field	FDEP FT 1100	4/12/2019	13:11	GST	7.06	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/12/2019	13:11	GST	24.46	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/12/2019	13:11	GST	15.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/12/2019	13:11	GST	29.84	D	Ft.	0
Color by Observation	Observation	4/12/2019	13:11	GST	CLOUDY	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/12/2019	14:50	GST	1.46	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79825**	Sample ID:	4MW11D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/15/2019	Date Received:	4/15/2019
Time Sampled:	9:14	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/15/2019	9:14	GST	305	D	umhos/cm	1
pH Field	FDEP FT 1100	4/15/2019	9:14	GST	7.50	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/15/2019	9:14	GST	23.99	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/15/2019	9:14	GST	23.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/15/2019	9:14	GST	32.95	D	Ft.	0
Color by Observation	Observation	4/15/2019	9:14	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/15/2019	15:10	GST	2.41	Q	mg/L	0.1

Analysis Comments:

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Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79826**	Sample ID:	4MW12D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/15/2019	Date Received:	4/15/2019
Time Sampled:	10:02	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/15/2019	10:02	GST	340	D	umhos/cm	1
pH Field	FDEP FT 1100	4/15/2019	10:02	GST	7.41	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/15/2019	10:02	GST	24.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/15/2019	10:02	GST	14.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/15/2019	10:02	GST	31.08	D	Ft.	0
Color by Observation	Observation	4/15/2019	10:02	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/15/2019	15:10	GST	2.23	Q	mg/L	0.1

Analysis Comments:

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Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79827**	Sample ID:	4MW14D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/15/2019	Date Received:	4/15/2019
Time Sampled:	11:12	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/15/2019	11:12	GST	347	D	umhos/cm	1
pH Field	FDEP FT 1100	4/15/2019	11:12	GST	7.49	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/15/2019	11:12	GST	26.23	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/15/2019	11:12	GST	15.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/15/2019	11:12	GST	31.4	D	Ft.	0
Color by Observation	Observation	4/15/2019	11:12	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/15/2019	15:10	GST	1.45	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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MCL=Maximum Contaminant Level

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123
EPA Lab Code: FL00137

Pasco County Utilities Environmental Laboratory Report

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Chris Childress, QA/QC Officer
Hours: Mon-Fri 8am-5pm

Report Date: 5/29/2019

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79828**	Sample ID:	4MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/15/2019	Date Received:	4/15/2019
Time Sampled:	14:08	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/15/2019	14:08	GST	382	D	umhos/cm	1
pH Field	FDEP FT 1100	4/15/2019	14:08	GST	7.34	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/15/2019	14:08	GST	25.58	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/15/2019	14:08	GST	14.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/15/2019	14:08	GST	28.43	D	Ft.	0
Color by Observation	Observation	4/15/2019	14:08	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/15/2019	15:10	GST	2.53	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79882**	Sample ID:	2MW18D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/16/2019	Date Received:	4/16/2019
Time Sampled:	9:00	Time Received:	15:10
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/16/2019	9:00	GST	443	D	umhos/cm	1
pH Field	FDEP FT 1100	4/16/2019	9:00	GST	7.31	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/16/2019	9:00	GST	23.45	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/16/2019	9:00	GST	15.9	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/16/2019	9:00	GST	28.4	D	Ft.	0
Color by Observation	Observation	4/16/2019	9:00	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/16/2019	15:20	GST	1.58	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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PASCO COUNTY FLORIDA

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79883**	Sample ID:	2MW19D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/16/2019	Date Received:	4/16/2019
Time Sampled:	10:16	Time Received:	15:10
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/16/2019	10:16	GST	401	D	umhos/cm	1
pH Field	FDEP FT 1100	4/16/2019	10:16	GST	7.31	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/16/2019	10:16	GST	24.54	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/16/2019	10:16	GST	16.7	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/16/2019	10:16	GST	29.12	D	Ft.	0
Color by Observation	Observation	4/16/2019	10:16	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/16/2019	15:20	GST	1.33	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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PASCO COUNTY FLORIDA

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CLIENT/SAMPLE INFORMATION

Report Date: 5/29/2019

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79884**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/16/2019	Date Received:	4/16/2019
Time Sampled:	13:19	Time Received:	15:10
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/16/2019	13:19	GST	247	D	umhos/cm	1
pH Field	FDEP FT 1100	4/16/2019	13:19	GST	6.36	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/16/2019	13:19	GST	25.13	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/16/2019	13:19	GST	21.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/16/2019	13:19	GST	28.49	D	Ft.	0
Color by Observation	Observation	4/16/2019	13:19	GST	CLOUDY	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/16/2019	15:20	GST	5.92	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79968**	Sample ID:	2MW-26D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/17/2019	Date Received:	4/17/2019
Time Sampled:	9:42	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/17/2019	9:42	GST	492	D	umhos/cm	1
pH Field	FDEP FT 1100	4/17/2019	9:42	GST	7.47	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/17/2019	9:42	GST	25.30	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/17/2019	9:42	GST	18.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/17/2019	9:42	GST	31.59	D	Ft.	0
Color by Observation	Observation	4/17/2019	9:42	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/17/2019	15:05	GST	1.30	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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PASCO COUNTY FLORIDA
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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79969**	Sample ID:	2MW-25D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/17/2019	Date Received:	4/17/2019
Time Sampled:	10:34	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/17/2019	10:34	GST	618	D	umhos/cm	1
pH Field	FDEP FT 1100	4/17/2019	10:34	GST	7.36	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/17/2019	10:34	GST	25.87	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/17/2019	10:34	GST	26.8	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/17/2019	10:34	GST	31.17	D	Ft.	0
Color by Observation	Observation	4/17/2019	10:34	GST	CLOUDY	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/17/2019	15:05	GST	1.70	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC79987**	Sample ID:	4MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/18/2019	Date Received:	4/18/2019
Time Sampled:	11:44	Time Received:	12:30
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/18/2019	11:44	GST	580	D	umhos/cm	1
pH Field	FDEP FT 1100	4/18/2019	11:44	GST	7.35	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/18/2019	11:44	GST	23.97	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/18/2019	11:44	GST	16.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/18/2019	11:44	GST	29.26	D	Ft.	0
Color by Observation	Observation	4/18/2019	11:44	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/18/2019	12:40	GST	2.91	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80087**	Sample ID:	4MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/22/2019	Date Received:	4/22/2019
Time Sampled:	11:32	Time Received:	15:30
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/22/2019	11:32	GST	906	D	umhos/cm	1
pH Field	FDEP FT 1100	4/22/2019	11:32	GST	7.14	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/22/2019	11:32	GST	25.38	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/22/2019	11:32	GST	15.2	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/22/2019	11:32	GST	34.66	D	Ft.	0
Color by Observation	Observation	4/22/2019	11:32	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/22/2019	15:35	GST	1.52	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

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

Report Date: 5/29/2019

Sample Number:	**AC80088**	Sample ID:	4MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/22/2019	Date Received:	4/22/2019
Time Sampled:	13:45	Time Received:	15:30
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/22/2019	13:45	GST	447	D	umhos/cm	1
pH Field	FDEP FT 1100	4/22/2019	13:45	GST	7.39	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/22/2019	13:45	GST	23.89	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/22/2019	13:45	GST	15.9	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/22/2019	13:45	GST	29.42	D	Ft.	0
Color by Observation	Observation	4/22/2019	13:45	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/22/2019	15:40	GST	1.42	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80232**	Sample ID:	4MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/25/2019	Date Received:	4/25/2019
Time Sampled:	13:02	Time Received:	15:10
Sampled By:	GTORREY	Received By:	TS
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/25/2019	13:02	GST	1.56	D	umhos/cm	1
pH Field	FDEP FT 1100	4/25/2019	13:02	GST	7.65	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/25/2019	13:02	GST	24.90	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/25/2019	13:02	GST	23.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/25/2019	13:02	GST	33.05	D	Ft.	0
Color by Observation	Observation	4/25/2019	13:02	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/25/2019	15:15	GST	5.41	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80322**	Sample ID:	2MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/29/2019	Date Received:	4/29/2019
Time Sampled:	10:02	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES

These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/29/2019	10:02	GST	751	D	umhos/cm	1
pH Field	FDEP FT 1100	4/29/2019	10:02	GST	7.12	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/29/2019	10:02	GST	24.91	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/29/2019	10:02	GST	16.9	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/29/2019	10:02	GST	32.9	D	Ft.	0
Color by Observation	Observation	4/29/2019	10:02	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/29/2019	15:25	GST	1.67	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80323**	Sample ID:	4MW27 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/29/2019	Date Received:	4/29/2019
Time Sampled:	12:02	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/29/2019	12:02	GST	629	D	umhos/cm	1
pH Field	FDEP FT 1100	4/29/2019	12:02	GST	7.23	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/29/2019	12:02	GST	25.26	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/29/2019	12:02	GST	14.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/29/2019	12:02	GST	33.0	D	Ft.	0
Color by Observation	Observation	4/29/2019	12:02	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/29/2019	15:30	GST	3.21	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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XC = Reported value exceeds the MCL (F.A.C. 62-550).
MCL=Maximum Contaminant Level

This Document Meets All the Requirements of the 2016 TNI Standards

State Laboratory ID: E44123
EPA Lab Code: FL00137

Pasco County Utilities Environmental Laboratory Report

8864 Government Drive
New Port Richey, FL 34654
Phone: (727) 847-8902 Fax: (727) 847-8112
Contacts: Annamarie Cangialosi, Administrative Secretary
Chris Childress, QA/QC Officer
Hours: Mon-Fri 8am-5pm

Report Date: 5/29/2019

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80336**	Sample ID:	2MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/30/2019	Date Received:	4/30/2019
Time Sampled:	9:42	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/30/2019	9:42	GST	101	D	umhos/cm	1
pH Field	FDEP FT 1100	4/30/2019	9:42	GST	5.86	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/30/2019	9:42	GST	23.76	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/30/2019	9:42	GST	14.1	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/30/2019	9:42	GST	36.24	D	Ft.	0
Color by Observation	Observation	4/30/2019	9:42	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/30/2019	15:25	GST	7.50	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80337**	Sample ID:	4MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/30/2019	Date Received:	4/30/2019
Time Sampled:	11:14	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/30/2019	11:14	GST	220	D	umhos/cm	1
pH Field	FDEP FT 1100	4/30/2019	11:14	GST	7.22	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/30/2019	11:14	GST	25.80	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/30/2019	11:14	GST	12.5	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/30/2019	11:14	GST	35.71	D	Ft.	0
Color by Observation	Observation	4/30/2019	11:14	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/30/2019	15:25	GST	2.10	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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Report Date: 5/29/2019

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80338**	Sample ID:	4MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	4/30/2019	Date Received:	4/30/2019
Time Sampled:	13:50	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	4/30/2019	13:50	GST	448	D	umhos/cm	1
pH Field	FDEP FT 1100	4/30/2019	13:50	GST	6.91	D	Std Units	0.10
Temperature Field	FDEP FT 1400	4/30/2019	13:50	GST	26.76	D	Deg C	0.00
Turbidity Field	FDEP FT 1600	4/30/2019	13:50	GST	14.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	4/30/2019	13:50	GST	30.58	D	Ft.	0
Color by Observation	Observation	4/30/2019	13:50	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	4/30/2019	15:25	GST	1.30	Q	mg/L	0.1

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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Report Date: 5/29/2019

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80489**	Sample ID:	4MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	5/1/2019	Date Received:	5/1/2019
Time Sampled:	12:17	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	5/1/2019	12:17	GST	279	D	umhos/cm	1
pH Field	FDEP FT 1100	5/1/2019	12:17	GST	7.27	D	Std Units	0.10
Temperature Field	FDEP FT 1400	5/1/2019	12:17	GST	25.01	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	5/1/2019	12:17	GST	31.78	D	Ft.	0
Color by Observation	Observation	5/1/2019	12:17	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	5/1/2019	15:25	GST	1.74	Q	mg/L	0.1
Turbidity	SM 2130 B	5/1/2019	15:25	GST	2.36		NTU's	0.11

Analysis Comments:

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer
Hours: Mon-Fri 8am-5pm

Report Date: 5/29/2019

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl
John Power

Sample Number:	**AC80490**	Sample ID:	2MW15DA @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	5/1/2019	Date Received:	5/1/2019
Time Sampled:	14:04	Time Received:	15:20
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

REPORT OF ANALYSES These results relate only to the sample indicated above and meet all requirements of the 2016 TNI standards.

Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Conductivity Field	FDEP FT 1200	5/1/2019	14:04	GST	318	D	umhos/cm	1
pH Field	FDEP FT 1100	5/1/2019	14:04	GST	7.24	D	Std Units	0.10
Temperature Field	FDEP FT 1400	5/1/2019	14:04	GST	24.67	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	5/1/2019	14:04	GST	34.16	D	Ft.	0
Color by Observation	Observation	5/1/2019	14:04	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen	SM 4500-O G	5/1/2019	15:25	GST	3.07	D	mg/L	0.1
Turbidity	SM 2130 B	5/1/2019	15:25	GST	1.13		NTU's	0.11

Analysis Comments:

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State Laboratory ID: E44123
EPA Lab Code: FL00137

eurofins | Environment Testing TestAmerica

ANALYTICAL REPORT

Eurofins TestAmerica, Tampa
6712 Benjamin Road
Suite 100
Tampa, FL 33634
Tel: (813)885-7427

Laboratory Job ID: 660-93977-1
Client Project/Site: Resource Recovery

For:
Pasco Co Board of Commissioners
8864 Government Dr
New Port Richey, Florida 34654

Attn: Candia E Mulhern

Authorized for release by:
5/13/2019 1:14:20 PM

Jess Hornsby, Project Manager II
(813)280-8340
jess.hornsby@testamericainc.com

Table of Contents

Sample Summary

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
660-93977-1	AC79882 2MW 18D	Water	04/16/19 09:00	04/18/19 10:34
660-93977-2	AC79883 2MW 19D	Water	04/16/19 10:16	04/18/19 10:34
660-93977-3	AC79884 2MW 17S	Water	04/16/19 13:19	04/18/19 10:34
660-93978-1	AC79744 4MW 7	Water	04/11/19 11:11	04/18/19 10:34
660-93978-2	AC79745 4MW 9	Water	04/11/19 14:50	04/18/19 10:34
660-93979-1	AC79825 4MW 11D	Water	04/15/19 09:14	04/18/19 10:34
660-93979-2	AC79826 4MW 12D	Water	04/15/19 10:02	04/18/19 10:34
660-93979-3	AC79827 4MW 14D	Water	04/15/19 11:12	04/18/19 10:34
660-93979-4	AC79828 4MW 4	Water	04/15/19 14:08	04/18/19 10:34
660-93980-1	AC79773 4MW 8	Water	04/12/19 09:38	04/18/19 10:34
660-93980-2	AC79774 4MW 21	Water	04/12/19 10:24	04/18/19 10:34
660-93980-3	AC79775 4MW 22	Water	04/12/19 13:11	04/18/19 10:34
660-93990-1	AC79968 2MW-26D	Water	04/17/19 09:42	04/18/19 10:34
660-93990-2	AC79969 2MW-25D	Water	04/17/19 10:34	04/18/19 10:34
660-94104-1	AC80087 4MW 1	Water	04/22/19 11:32	04/25/19 11:30
660-94104-2	AC80088 4MW 3A	Water	04/22/19 13:45	04/25/19 11:30
660-94119-1	AC79987 4MW 5	Water	04/18/19 11:44	04/25/19 11:30
660-94266-1	AC80322 2MW 27D	Water	04/29/19 10:02	05/02/19 11:56
660-94266-2	AC80323 4MW 27	Water	04/29/19 12:02	05/02/19 11:56
660-94268-1	AC80232 4MW 6	Water	04/25/19 13:02	05/02/19 11:56
660-94269-1	AC80336 2MW 2	Water	04/30/19 09:42	05/02/19 11:56
660-94269-2	AC80337 4MW 2	Water	04/30/19 11:14	05/02/19 11:56
660-94269-3	AC80338 4MW 13D	Water	04/30/19 13:50	05/02/19 11:56
660-94274-1	AC80489 4MW 27D	Water	05/01/19 12:17	05/02/19 11:56
660-94274-2	AC80490 2MW 15DA	Water	05/01/19 14:04	05/02/19 11:56

Detection Summary

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79882 2MW 18D — Lab Sample ID: 660-93977-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	26		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	27	I	200	25	ug/L	1		6010D	Total Recoverable
Arsenic	2.0	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	10000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	10		10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	0.91	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.66		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	270		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79883 2MW 19D — Lab Sample ID: 660-93977-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	17		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Antimony	5.3	I	20	4.0	ug/L	1		6010D	Total Recoverable
Iron	120	I	200	25	ug/L	1		6010D	Total Recoverable
Arsenic	2.8	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	7200		1000	120	ug/L	1		6010D	Total Recoverable
Barium	9.4	I	10	0.92	ug/L	1		6010D	Total Recoverable
Chromium	16		10	1.1	ug/L	1		6010D	Total Recoverable
Nickel	1.6	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.29		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	240		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79884 2MW 17S — Lab Sample ID: 660-93977-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.1		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Antimony	5.5	I	20	4.0	ug/L	1		6010D	Total Recoverable
Iron	79	I	200	25	ug/L	1		6010D	Total Recoverable
Arsenic	2.1	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	6700		1000	120	ug/L	1		6010D	Total Recoverable
Barium	14		10	0.92	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	14		1.3	0.25	mg/L	25		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	190		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79744 4MW 7 — Lab Sample ID: 660-93978-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	14		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AC79744 4MW 7 (Continued) — Lab Sample ID: 660-93978-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Sodium	4900		1000	120	ug/L	1		6010D	Total Recoverable
Barium	9.0	I	10	0.92	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.27		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	200	Q	5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79745 4MW 9 — Lab Sample ID: 660-93978-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Acetone	6.3	I	20	3.0	ug/L	1		8260B	Total/NA
Chloride	28		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Arsenic	2.2	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	9800		1000	120	ug/L	1		6010D	Total Recoverable
Barium	9.1	I	10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	1.2	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Vanadium	4.5	I	20	4.4	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.37		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	240		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79825 4MW 11D — Lab Sample ID: 660-93979-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Antimony	4.5	I	20	4.0	ug/L	1		6010D	Total Recoverable
Iron	70	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	5500		1000	120	ug/L	1		6010D	Total Recoverable
Barium	7.3	I	10	0.92	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.71		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	180		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79826 4MW 12D — Lab Sample ID: 660-93979-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	16		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	6700		1000	120	ug/L	1		6010D	Total Recoverable
Barium	7.1	I	10	0.92	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.65		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79827 4MW 14D — Lab Sample ID: 660-93979-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	19		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA

This Detection Summary does not include radiochemical test results.

Client Sample ID: AC79827 4MW 14D (Continued)

Lab Sample ID: 660-93979-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	64	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	9700		1000	120	ug/L	1		6010D	Total Recoverable
Barium	11		10	0.92	ug/L	1		6010D	Total Recoverable
Chromium	1.2	I	10	1.1	ug/L	1		6010D	Total Recoverable
Lead	2.0	I	10	2.0	ug/L	1		6010D	Total Recoverable
Nickel	1.4	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Vanadium	5.1	I	20	4.4	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.57		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	190		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79828 4MW 4

Lab Sample ID: 660-93979-4

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	19		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	29	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	6100		1000	120	ug/L	1		6010D	Total Recoverable
Barium	8.9	I	10	0.92	ug/L	1		6010D	Total Recoverable
Chromium	1.1	I	10	1.1	ug/L	1		6010D	Total Recoverable
Nickel	0.90	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.40		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	240		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79773 4MW 8

Lab Sample ID: 660-93980-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	10		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	4300		1000	120	ug/L	1		6010D	Total Recoverable
Barium	7.7	I	10	0.92	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	200		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79774 4MW 21

Lab Sample ID: 660-93980-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.4		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	640		200	25	ug/L	1		6010D	Total Recoverable
Sodium	5100		1000	120	ug/L	1		6010D	Total Recoverable
Barium	11		10	0.92	ug/L	1		6010D	Total Recoverable
Cadmium	1.2	I	4.0	0.46	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AC79774 4MW 21 (Continued) — Lab Sample ID: 660-93980-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	5.0	I	10	1.1	ug/L	1		6010D	Total Recoverable
Nickel	2.9	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	5.7		0.50	0.10	mg/L	10		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	99		2.5	2.5	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79775 4MW 22 — Lab Sample ID: 660-93980-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	19		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	70	I	200	25	ug/L	1		6010D	Total Recoverable
Arsenic	3.4	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	6600		1000	120	ug/L	1		6010D	Total Recoverable
Barium	11		10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	0.83	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.091		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	240		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79968 2MW-26D — Lab Sample ID: 660-93990-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	51		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Arsenic	2.2	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	25000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	16		10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	1.8	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.30	J3	0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	310		5.0	5.0	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79969 2MW-25D — Lab Sample ID: 660-93990-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	76		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	200		200	25	ug/L	1		6010D	Total Recoverable
Sodium	34000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	22		10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	2.4	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	1.7		0.10	0.020	mg/L	2		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	400		5.0	5.0	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80087 4MW 1 — Lab Sample ID: 660-94104-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	120		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	64000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	33		10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	5.4	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	1.9		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	510		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80088 4MW 3A — Lab Sample ID: 660-94104-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	26		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	130	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	11000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	10		10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	0.95	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Ammonia	0.13	I	0.25	0.10	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	250		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC79987 4MW 5 — Lab Sample ID: 660-94119-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	62		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	25000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	10		10	0.92	ug/L	1		6010D	Total Recoverable
Chromium	1.1	I	10	1.1	ug/L	1		6010D	Total Recoverable
Lead	2.0	I	10	2.0	ug/L	1		6010D	Total Recoverable
Nickel	1.3	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.74		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	150	Q	20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80322 2MW 27D — Lab Sample ID: 660-94266-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloroform	0.96	I	1.0	0.29	ug/L	1		8260B	Total/NA
Chloride	100		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	32	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	44000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	26		10	0.92	ug/L	1		6010D	Total Recoverable
Chromium	1.1	I	10	1.1	ug/L	1		6010D	Total Recoverable
Nickel	3.1	I	8.0	0.81	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: AC80322 2MW 27D (Continued) — Lab Sample ID: 660-94266-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nitrate Nitrite as N	1.3		0.10	0.020	mg/L	2		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	430		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80323 4MW 27 — Lab Sample ID: 660-94266-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	84		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Antimony	4.8	I	20	4.0	ug/L	1		6010D	Total Recoverable
Iron	83	I	200	25	ug/L	1		6010D	Total Recoverable
Arsenic	2.5	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	34000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	20		10	0.92	ug/L	1		6010D	Total Recoverable
Nickel	1.9	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Vanadium	14	I	20	4.4	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.21		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	350		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80232 4MW 6 — Lab Sample ID: 660-94268-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.0		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Arsenic	2.4	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	2500		1000	120	ug/L	1		6010D	Total Recoverable
Barium	4.5	I	10	0.92	ug/L	1		6010D	Total Recoverable
Chromium	1.2	I	10	1.1	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.57		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	98	Q	20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80336 2MW 2 — Lab Sample ID: 660-94269-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.3		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	3100		1000	120	ug/L	1		6010D	Total Recoverable
Barium	46		10	0.92	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	5.4		0.50	0.10	mg/L	10		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	57		10	10	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80337 4MW 2 — Lab Sample ID: 660-94269-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.2		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	2700		1000	120	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80337 4MW 2 (Continued) — Lab Sample ID: 660-94269-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	6.9	I	10	0.92	ug/L	1		6010D	Total Recoverable
Vanadium	4.8	I	20	4.4	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	1.1		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	100		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80338 4MW 13D — Lab Sample ID: 660-94269-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	18		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	8400		1000	120	ug/L	1		6010D	Total Recoverable
Barium	7.8	I	10	0.92	ug/L	1		6010D	Total Recoverable
Vanadium	5.4	I	20	4.4	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.019	I	0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	240		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80489 4MW 27D — Lab Sample ID: 660-94274-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	4.6		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	170	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	2900		1000	120	ug/L	1		6010D	Total Recoverable
Barium	10		10	0.92	ug/L	1		6010D	Total Recoverable
Ammonia	0.23	I	0.25	0.10	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	150		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: AC80490 2MW 15DA — Lab Sample ID: 660-94274-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	8.8		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	140	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	4300		1000	120	ug/L	1		6010D	Total Recoverable
Barium	9.3	I	10	0.92	ug/L	1		6010D	Total Recoverable
Chromium	2.9	I	10	1.1	ug/L	1		6010D	Total Recoverable
Nickel	1.2	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Nitrate Nitrite as N	0.21		0.050	0.010	mg/L	1		353.2-1993 R2.0	Total/NA
Total Dissolved Solids	160		20	20	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Case Narrative

Client: Pasco Co Board of Commissioners
Job ID: 660-93977-1
Project/Site: Resource Recovery

Job ID: 660-93977-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Receipt
The samples were received on 4/18/2019 10:34 AM, 4/25/2019 11:30 AM and 5/2/2019 11:56 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 15 coolers at receipt time were 0.2º C, 0.2º C, 0.2º C, 0.6º C, 0.8º C, 0.8º C, 0.8º C, 0.8º C, 1.0º C, 1.0º C, 1.0º C, 1.2º C, 1.2º C, 4.3º C and 4.3º C.

Receipt Exceptions
Method SM 2540C: The following samples were received outside of holding time: AC79744 4MW 7 (660-93978-1) and AC79745 4MW 9 (660-93978-2).

Method SM 2540C: The following sample was received outside of holding time: AC79987 4MW 5 (660-94119-1).

Method SM 2540C: The following sample was received outside of holding time: AC80232 4MW 6 (660-94268-1).

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 660-209689 recovered outside acceptance criteria, low biased, for Iodomethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Iodomethane percent drift was -57.1% and the limit is +/- 50 %. Since the affected analyte was not detected in samples associated with this CCV, the data have been reported.

Method 8260B: The continuing calibration verification (CCV) associated with batch 660-210190 recovered outside acceptance criteria, low biased, for Bromomethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. Bromomethane's percent drift was -55.3% and the limit is +/- 50%. Since the affected analyte was not detected in samples associated with this CCV, the data have been reported.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

HPLC/IC
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

GC Semi VOA
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

General Chemistry
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Definitions/Glossary

Client: Pasco Co Board of Commissioners
Job ID: 660-93977-1
Project/Site: Resource Recovery

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
U	Indicates that the compound was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates that the compound was analyzed for but not detected.

Metals

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
U	Indicates that the compound was analyzed for but not detected.

General Chemistry

Qualifier	Qualifier Description
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
Q	Sample held beyond the accepted holding time.
U	Indicates that the compound was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79882 2MW 18D

Date Collected: 04/16/19 09:00
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93977-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/24/19 12:49	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/19 12:49	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/19 12:49	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/19 12:49	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/19 12:49	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/19 12:49	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/19 12:49	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/19 12:49	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/19 12:49	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/19 12:49	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/19 12:49	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/19 12:49	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/19 12:49	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/19 12:49	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/19 12:49	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/19 12:49	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/19 12:49	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/19 12:49	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/19 12:49	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/19 12:49	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/19 12:49	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/19 12:49	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/19 12:49	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/19 12:49	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/19 12:49	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/19 12:49	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/19 12:49	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/19 12:49	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/19 12:49	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/19 12:49	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/19 12:49	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/19 12:49	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/19 12:49	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/19 12:49	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/19 12:49	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/19 12:49	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/19 12:49	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/19 12:49	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/19 12:49	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/19 12:49	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/19 12:49	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/19 12:49	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/19 12:49	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/19 12:49	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/24/19 12:49	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/19 12:49	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/19 12:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/24/19 12:49*	*1*

Client Sample ID: AC79882 2MW 18D

Date Collected: 04/16/19 09:00
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93977-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*70 - 130*		*04/24/19 12:49*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*04/24/19 12:49*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		0.50	0.20	mg/L			05/02/19 20:32	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 09:32	1
Iron	**27**	**I**	200	25	ug/L		04/22/19 06:30	04/23/19 09:32	1
Arsenic	**2.0**	**I**	10	1.9	ug/L		04/22/19 06:30	04/23/19 09:32	1
Sodium	**10000**		1000	120	ug/L		04/22/19 06:30	04/23/19 09:32	1
Barium	**10**		10	0.92	ug/L		04/22/19 06:30	04/23/19 09:32	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 09:32	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 09:32	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 09:32	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:32	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 09:32	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:32	1
Nickel	**0.91**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 09:32	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 09:32	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 09:32	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 09:32	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 09:32	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 09:32	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:50	1
Nitrate Nitrite as N	**0.66**		0.050	0.010	mg/L			04/20/19 10:43	1
Total Dissolved Solids	**270**		5.0	5.0	mg/L			04/22/19 12:32	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79883 2MW 19D

Date Collected: 04/16/19 10:16
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93977-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/24/19 13:26	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/19 13:26	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/19 13:26	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/19 13:26	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/19 13:26	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/19 13:26	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/19 13:26	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/19 13:26	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/19 13:26	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/19 13:26	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/19 13:26	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/19 13:26	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/19 13:26	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/19 13:26	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/19 13:26	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/19 13:26	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/19 13:26	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/19 13:26	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/19 13:26	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/19 13:26	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/19 13:26	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/19 13:26	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/19 13:26	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/19 13:26	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/19 13:26	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/19 13:26	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/19 13:26	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/19 13:26	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/19 13:26	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/19 13:26	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/19 13:26	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/19 13:26	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/19 13:26	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/19 13:26	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/19 13:26	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/19 13:26	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/19 13:26	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/19 13:26	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/19 13:26	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/19 13:26	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/19 13:26	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/19 13:26	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/19 13:26	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/19 13:26	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/24/19 13:26	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/19 13:26	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/19 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*04/24/19 13:26*	*1*

Client Sample ID: AC79883 2MW 19D

Date Collected: 04/16/19 10:16
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93977-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*70 - 130*		*04/24/19 13:26*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*04/24/19 13:26*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**17**		0.50	0.20	mg/L			05/02/19 20:45	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**5.3**	**I**	20	4.0	ug/L		04/22/19 06:30	04/23/19 09:44	1
Iron	**120**	**I**	200	25	ug/L		04/22/19 06:30	04/23/19 09:44	1
Arsenic	**2.8**	**I**	10	1.9	ug/L		04/22/19 06:30	04/23/19 09:44	1
Sodium	**7200**		1000	120	ug/L		04/22/19 06:30	04/23/19 09:44	1
Barium	**9.4**	**I**	10	0.92	ug/L		04/22/19 06:30	04/23/19 09:44	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 09:44	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 09:44	1
Chromium	**16**		10	1.1	ug/L		04/22/19 06:30	04/23/19 09:44	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:44	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 09:44	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:44	1
Nickel	**1.6**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 09:44	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 09:44	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 09:44	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 09:44	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 09:44	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 09:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:50	1
Nitrate Nitrite as N	**0.29**		0.050	0.010	mg/L			04/20/19 10:42	1
Total Dissolved Solids	**240**		5.0	5.0	mg/L			04/22/19 12:32	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79884 2MW 17S

Date Collected: 04/16/19 13:19
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93977-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/24/19 14:22	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/19 14:22	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/19 14:22	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/19 14:22	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/19 14:22	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/19 14:22	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/19 14:22	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/19 14:22	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/19 14:22	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/19 14:22	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/19 14:22	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/19 14:22	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/19 14:22	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/19 14:22	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/19 14:22	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/19 14:22	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/19 14:22	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/19 14:22	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/19 14:22	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/19 14:22	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/19 14:22	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/19 14:22	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/19 14:22	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/19 14:22	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/19 14:22	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/19 14:22	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/19 14:22	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/19 14:22	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/19 14:22	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/19 14:22	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/19 14:22	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/19 14:22	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/19 14:22	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/19 14:22	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/19 14:22	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/19 14:22	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/19 14:22	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/19 14:22	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/19 14:22	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/19 14:22	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/19 14:22	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/19 14:22	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/19 14:22	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/19 14:22	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/24/19 14:22	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/19 14:22	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/19 14:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/24/19 14:22*	*1*

Client Sample ID: AC79884 2MW 17S

Date Collected: 04/16/19 13:19
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93977-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*70 - 130*		*04/24/19 14:22*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*04/24/19 14:22*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.1**		0.50	0.20	mg/L			05/02/19 20:57	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**5.5**	**I**	20	4.0	ug/L		04/22/19 06:30	04/23/19 09:47	1
Iron	**79**	**I**	200	25	ug/L		04/22/19 06:30	04/23/19 09:47	1
Arsenic	**2.1**	**I**	10	1.9	ug/L		04/22/19 06:30	04/23/19 09:47	1
Sodium	**6700**		1000	120	ug/L		04/22/19 06:30	04/23/19 09:47	1
Barium	**14**		10	0.92	ug/L		04/22/19 06:30	04/23/19 09:47	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 09:47	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 09:47	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 09:47	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:47	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 09:47	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:47	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 09:47	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 09:47	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 09:47	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 09:47	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 09:47	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 09:47	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:32	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:50	1
Nitrate Nitrite as N	**14**		1.3	0.25	mg/L			04/20/19 10:49	25
Total Dissolved Solids	**190**		5.0	5.0	mg/L			04/22/19 12:32	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79744 4MW 7

Date Collected: 04/11/19 11:11
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93978-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/20/19 17:40	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/20/19 17:40	1
Benzene	0.25	U	1.0	0.25	ug/L			04/20/19 17:40	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/20/19 17:40	1
Bromomethane	2.5	U	10	2.5	ug/L			04/20/19 17:40	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/20/19 17:40	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/20/19 17:40	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/20/19 17:40	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/20/19 17:40	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/20/19 17:40	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/20/19 17:40	1
Chloroethane	2.5	U	10	2.5	ug/L			04/20/19 17:40	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/20/19 17:40	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/20/19 17:40	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/20/19 17:40	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/20/19 17:40	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/20/19 17:40	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/20/19 17:40	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/20/19 17:40	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/20/19 17:40	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/20/19 17:40	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/20/19 17:40	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/20/19 17:40	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/20/19 17:40	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/20/19 17:40	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/20/19 17:40	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/20/19 17:40	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/20/19 17:40	1
Iodomethane	4.1	U	15	4.1	ug/L			04/20/19 17:40	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/20/19 17:40	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/20/19 17:40	1
Styrene	0.49	U	2.0	0.49	ug/L			04/20/19 17:40	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/20/19 17:40	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/20/19 17:40	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/20/19 17:40	1
Toluene	0.24	U	1.0	0.24	ug/L			04/20/19 17:40	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/20/19 17:40	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/20/19 17:40	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/20/19 17:40	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/20/19 17:40	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/20/19 17:40	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/20/19 17:40	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/20/19 17:40	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/20/19 17:40	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/20/19 17:40	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/20/19 17:40	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/20/19 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*04/20/19 17:40*	*1*

Client Sample ID: AC79744 4MW 7

Date Collected: 04/11/19 11:11
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93978-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*70 - 130*		*04/20/19 17:40*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/20/19 17:40*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**14**		0.50	0.20	mg/L			05/02/19 21:34	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 09:51	1
Iron	25	U	200	25	ug/L		04/22/19 06:30	04/23/19 09:51	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 09:51	1
Sodium	**4900**		1000	120	ug/L		04/22/19 06:30	04/23/19 09:51	1
Barium	**9.0**	**I**	10	0.92	ug/L		04/22/19 06:30	04/23/19 09:51	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 09:51	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 09:51	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 09:51	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:51	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 09:51	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:51	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 09:51	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 09:51	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 09:51	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 09:51	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 09:51	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 09:51	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:36	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:58	1
Nitrate Nitrite as N	**0.27**		0.050	0.010	mg/L			04/20/19 10:53	1
Total Dissolved Solids	**200**	**Q**	5.0	5.0	mg/L			04/18/19 14:17	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79745 4MW 9

Date Collected: 04/11/19 14:50
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93978-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.3	I	20	3.0	ug/L			04/20/19 18:01	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/20/19 18:01	1
Benzene	0.25	U	1.0	0.25	ug/L			04/20/19 18:01	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/20/19 18:01	1
Bromomethane	2.5	U	10	2.5	ug/L			04/20/19 18:01	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/20/19 18:01	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/20/19 18:01	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/20/19 18:01	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/20/19 18:01	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/20/19 18:01	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/20/19 18:01	1
Chloroethane	2.5	U	10	2.5	ug/L			04/20/19 18:01	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/20/19 18:01	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/20/19 18:01	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/20/19 18:01	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/20/19 18:01	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/20/19 18:01	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/20/19 18:01	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/20/19 18:01	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/20/19 18:01	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/20/19 18:01	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/20/19 18:01	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/20/19 18:01	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/20/19 18:01	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/20/19 18:01	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/20/19 18:01	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/20/19 18:01	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/20/19 18:01	1
Iodomethane	4.1	U	15	4.1	ug/L			04/20/19 18:01	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/20/19 18:01	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/20/19 18:01	1
Styrene	0.49	U	2.0	0.49	ug/L			04/20/19 18:01	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/20/19 18:01	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/20/19 18:01	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/20/19 18:01	1
Toluene	0.24	U	1.0	0.24	ug/L			04/20/19 18:01	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/20/19 18:01	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/20/19 18:01	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/20/19 18:01	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/20/19 18:01	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/20/19 18:01	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/20/19 18:01	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/20/19 18:01	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/20/19 18:01	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/20/19 18:01	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/20/19 18:01	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/20/19 18:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*04/20/19 18:01*	*1*

Client Sample ID: AC79745 4MW 9

Date Collected: 04/11/19 14:50
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93978-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*04/20/19 18:01*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/20/19 18:01*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**28**		0.50	0.20	mg/L			05/02/19 21:47	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:00	1
Iron	25	U	200	25	ug/L		04/22/19 06:30	04/23/19 10:00	1
Arsenic	**2.2**	**I**	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:00	1
Sodium	**9800**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:00	1
Barium	**9.1**	**I**	10	0.92	ug/L		04/22/19 06:30	04/23/19 10:00	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:00	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:00	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:00	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:00	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:00	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:00	1
Nickel	**1.2**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:00	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:00	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:00	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:00	1
Vanadium	**4.5**	**I**	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:00	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:41	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:58	1
Nitrate Nitrite as N	**0.37**		0.050	0.010	mg/L			04/20/19 10:52	1
Total Dissolved Solids	**240**		5.0	5.0	mg/L			04/18/19 13:17	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79825 4MW 11D

Date Collected: 04/15/19 09:14
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/23/19 16:26	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/23/19 16:26	1
Benzene	0.25	U	1.0	0.25	ug/L			04/23/19 16:26	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/23/19 16:26	1
Bromomethane	2.5	U	10	2.5	ug/L			04/23/19 16:26	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/23/19 16:26	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/23/19 16:26	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/23/19 16:26	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/23/19 16:26	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/23/19 16:26	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/23/19 16:26	1
Chloroethane	2.5	U	10	2.5	ug/L			04/23/19 16:26	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/23/19 16:26	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/23/19 16:26	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/23/19 16:26	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/23/19 16:26	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/23/19 16:26	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/23/19 16:26	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/23/19 16:26	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/23/19 16:26	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/23/19 16:26	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/23/19 16:26	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/23/19 16:26	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/23/19 16:26	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/23/19 16:26	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/23/19 16:26	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/23/19 16:26	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/23/19 16:26	1
Iodomethane	4.1	U	15	4.1	ug/L			04/23/19 16:26	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/23/19 16:26	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/23/19 16:26	1
Styrene	0.49	U	2.0	0.49	ug/L			04/23/19 16:26	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/23/19 16:26	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/23/19 16:26	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/23/19 16:26	1
Toluene	0.24	U	1.0	0.24	ug/L			04/23/19 16:26	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/23/19 16:26	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/23/19 16:26	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/23/19 16:26	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/23/19 16:26	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/23/19 16:26	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/23/19 16:26	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/23/19 16:26	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/23/19 16:26	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/23/19 16:26	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/23/19 16:26	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/23/19 16:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*04/23/19 16:26*	*1*

Client Sample ID: AC79825 4MW 11D

Date Collected: 04/15/19 09:14
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*04/23/19 16:26*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*04/23/19 16:26*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		0.50	0.20	mg/L			05/02/19 21:59	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**4.5**	**I**	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:03	1
Iron	**70**	**I**	200	25	ug/L		04/22/19 06:30	04/23/19 10:03	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:03	1
Sodium	**5500**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:03	1
Barium	**7.3**	**I**	10	0.92	ug/L		04/22/19 06:30	04/23/19 10:03	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:03	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:03	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:03	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:03	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:03	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:03	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:03	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:03	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:03	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:03	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:03	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:03	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:58	1
Nitrate Nitrite as N	**0.71**		0.050	0.010	mg/L			04/20/19 11:03	1
Total Dissolved Solids	**180**		5.0	5.0	mg/L			04/22/19 07:24	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79826 4MW 12D

Date Collected: 04/15/19 10:02
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/23/19 16:44	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/23/19 16:44	1
Benzene	0.25	U	1.0	0.25	ug/L			04/23/19 16:44	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/23/19 16:44	1
Bromomethane	2.5	U	10	2.5	ug/L			04/23/19 16:44	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/23/19 16:44	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/23/19 16:44	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/23/19 16:44	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/23/19 16:44	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/23/19 16:44	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/23/19 16:44	1
Chloroethane	2.5	U	10	2.5	ug/L			04/23/19 16:44	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/23/19 16:44	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/23/19 16:44	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/23/19 16:44	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/23/19 16:44	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/23/19 16:44	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/23/19 16:44	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/23/19 16:44	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/23/19 16:44	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/23/19 16:44	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/23/19 16:44	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/23/19 16:44	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/23/19 16:44	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/23/19 16:44	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/23/19 16:44	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/23/19 16:44	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/23/19 16:44	1
Iodomethane	4.1	U	15	4.1	ug/L			04/23/19 16:44	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/23/19 16:44	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/23/19 16:44	1
Styrene	0.49	U	2.0	0.49	ug/L			04/23/19 16:44	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/23/19 16:44	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/23/19 16:44	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/23/19 16:44	1
Toluene	0.24	U	1.0	0.24	ug/L			04/23/19 16:44	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/23/19 16:44	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/23/19 16:44	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/23/19 16:44	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/23/19 16:44	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/23/19 16:44	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/23/19 16:44	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/23/19 16:44	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/23/19 16:44	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/23/19 16:44	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/23/19 16:44	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/23/19 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/23/19 16:44*	*1*

Client Sample ID: AC79826 4MW 12D

Date Collected: 04/15/19 10:02
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*04/23/19 16:44*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*04/23/19 16:44*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**16**		0.50	0.20	mg/L			05/02/19 22:11	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:06	1
Iron	25	U	200	25	ug/L		04/22/19 06:30	04/23/19 10:06	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:06	1
Sodium	**6700**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:06	1
Barium	**7.1**	**I**	10	0.92	ug/L		04/22/19 06:30	04/23/19 10:06	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:06	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:06	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:06	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:06	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:06	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:06	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:06	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:06	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:06	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:06	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:06	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:06	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:58	1
Nitrate Nitrite as N	**0.65**		0.050	0.010	mg/L			04/19/19 11:43	1
Total Dissolved Solids	**200**		5.0	5.0	mg/L			04/22/19 07:24	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79827 4MW 14D

Date Collected: 04/15/19 11:12
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/23/19 17:03	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/23/19 17:03	1
Benzene	0.25	U	1.0	0.25	ug/L			04/23/19 17:03	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/23/19 17:03	1
Bromomethane	2.5	U	10	2.5	ug/L			04/23/19 17:03	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/23/19 17:03	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/23/19 17:03	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/23/19 17:03	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/23/19 17:03	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/23/19 17:03	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/23/19 17:03	1
Chloroethane	2.5	U	10	2.5	ug/L			04/23/19 17:03	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/23/19 17:03	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/23/19 17:03	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/23/19 17:03	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/23/19 17:03	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/23/19 17:03	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/23/19 17:03	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/23/19 17:03	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/23/19 17:03	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/23/19 17:03	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/23/19 17:03	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/23/19 17:03	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/23/19 17:03	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/23/19 17:03	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/23/19 17:03	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/23/19 17:03	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/23/19 17:03	1
Iodomethane	4.1	U	15	4.1	ug/L			04/23/19 17:03	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/23/19 17:03	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/23/19 17:03	1
Styrene	0.49	U	2.0	0.49	ug/L			04/23/19 17:03	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/23/19 17:03	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/23/19 17:03	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/23/19 17:03	1
Toluene	0.24	U	1.0	0.24	ug/L			04/23/19 17:03	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/23/19 17:03	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/23/19 17:03	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/23/19 17:03	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/23/19 17:03	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/23/19 17:03	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/23/19 17:03	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/23/19 17:03	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/23/19 17:03	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/23/19 17:03	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/23/19 17:03	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/23/19 17:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/23/19 17:03*	*1*

Client Sample ID: AC79827 4MW 14D

Date Collected: 04/15/19 11:12
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*70 - 130*		*04/23/19 17:03*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*04/23/19 17:03*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		0.50	0.20	mg/L			05/02/19 22:24	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:09	1
Iron	**64**	**I**	200	25	ug/L		04/22/19 06:30	04/23/19 10:09	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:09	1
Sodium	**9700**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:09	1
Barium	**11**		10	0.92	ug/L		04/22/19 06:30	04/23/19 10:09	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:09	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:09	1
Chromium	**1.2**	**I**	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:09	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:09	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:09	1
Lead	**2.0**	**I**	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:09	1
Nickel	**1.4**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:09	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:09	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:09	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:09	1
Vanadium	**5.1**	**I**	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:09	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:46	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:32	1
Nitrate Nitrite as N	**0.57**		0.050	0.010	mg/L			04/19/19 11:44	1
Total Dissolved Solids	**190**		5.0	5.0	mg/L			04/22/19 07:24	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79828 4MW 4

Date Collected: 04/15/19 14:08
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/23/19 17:21	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/23/19 17:21	1
Benzene	0.25	U	1.0	0.25	ug/L			04/23/19 17:21	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/23/19 17:21	1
Bromomethane	2.5	U	10	2.5	ug/L			04/23/19 17:21	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/23/19 17:21	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/23/19 17:21	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/23/19 17:21	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/23/19 17:21	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/23/19 17:21	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/23/19 17:21	1
Chloroethane	2.5	U	10	2.5	ug/L			04/23/19 17:21	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/23/19 17:21	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/23/19 17:21	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/23/19 17:21	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/23/19 17:21	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/23/19 17:21	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/23/19 17:21	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/23/19 17:21	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/23/19 17:21	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/23/19 17:21	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/23/19 17:21	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/23/19 17:21	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/23/19 17:21	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/23/19 17:21	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/23/19 17:21	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/23/19 17:21	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/23/19 17:21	1
Iodomethane	4.1	U	15	4.1	ug/L			04/23/19 17:21	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/23/19 17:21	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/23/19 17:21	1
Styrene	0.49	U	2.0	0.49	ug/L			04/23/19 17:21	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/23/19 17:21	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/23/19 17:21	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/23/19 17:21	1
Toluene	0.24	U	1.0	0.24	ug/L			04/23/19 17:21	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/23/19 17:21	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/23/19 17:21	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/23/19 17:21	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/23/19 17:21	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/23/19 17:21	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/23/19 17:21	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/23/19 17:21	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/23/19 17:21	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/23/19 17:21	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/23/19 17:21	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/23/19 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*04/23/19 17:21*	*1*

Client Sample ID: AC79828 4MW 4

Date Collected: 04/15/19 14:08
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93979-4

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*70 - 130*		*04/23/19 17:21*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*04/23/19 17:21*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		0.50	0.20	mg/L			05/02/19 22:36	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:13	1
Iron	**29**	**I**	200	25	ug/L		04/22/19 06:30	04/23/19 10:13	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:13	1
Sodium	**6100**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:13	1
Barium	**8.9**	**I**	10	0.92	ug/L		04/22/19 06:30	04/23/19 10:13	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:13	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:13	1
Chromium	**1.1**	**I**	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:13	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:13	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:13	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:13	1
Nickel	**0.90**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:13	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:13	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:13	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:13	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:13	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:13	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:48	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:41	1
Nitrate Nitrite as N	**0.40**		0.050	0.010	mg/L			04/19/19 12:10	1
Total Dissolved Solids	**240**		5.0	5.0	mg/L			04/22/19 07:24	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79773 4MW 8

Date Collected: 04/12/19 09:38
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93980-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/22/19 12:09	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/22/19 12:09	1
Benzene	0.25	U	1.0	0.25	ug/L			04/22/19 12:09	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/22/19 12:09	1
Bromomethane	2.5	U	10	2.5	ug/L			04/22/19 12:09	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/22/19 12:09	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/22/19 12:09	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/22/19 12:09	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/22/19 12:09	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/22/19 12:09	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/22/19 12:09	1
Chloroethane	2.5	U	10	2.5	ug/L			04/22/19 12:09	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/22/19 12:09	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/22/19 12:09	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/22/19 12:09	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/22/19 12:09	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/22/19 12:09	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/22/19 12:09	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/22/19 12:09	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/22/19 12:09	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/22/19 12:09	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/22/19 12:09	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/22/19 12:09	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/22/19 12:09	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/22/19 12:09	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/22/19 12:09	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/22/19 12:09	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/22/19 12:09	1
Iodomethane	4.1	U	15	4.1	ug/L			04/22/19 12:09	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/22/19 12:09	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/22/19 12:09	1
Styrene	0.49	U	2.0	0.49	ug/L			04/22/19 12:09	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/22/19 12:09	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/22/19 12:09	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/22/19 12:09	1
Toluene	0.24	U	1.0	0.24	ug/L			04/22/19 12:09	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/22/19 12:09	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/22/19 12:09	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/22/19 12:09	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/22/19 12:09	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/22/19 12:09	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/22/19 12:09	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/22/19 12:09	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/22/19 12:09	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/22/19 12:09	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/22/19 12:09	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/22/19 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/22/19 12:09*	*1*

Client Sample ID: AC79773 4MW 8

Date Collected: 04/12/19 09:38
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93980-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*70 - 130*		*04/22/19 12:09*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*04/22/19 12:09*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**10**		0.50	0.20	mg/L			05/03/19 00:28	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:16	1
Iron	25	U	200	25	ug/L		04/22/19 06:30	04/23/19 10:16	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:16	1
Sodium	**4300**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:16	1
Barium	**7.7**	**I**	10	0.92	ug/L		04/22/19 06:30	04/23/19 10:16	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:16	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:16	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:16	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:16	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:16	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:16	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:16	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:16	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:16	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:16	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:16	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:16	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:41	1
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			04/19/19 12:08	1
Total Dissolved Solids	**200**		5.0	5.0	mg/L			04/18/19 15:00	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79774 4MW 21

Date Collected: 04/12/19 10:24
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93980-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/22/19 12:46	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/22/19 12:46	1
Benzene	0.25	U	1.0	0.25	ug/L			04/22/19 12:46	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/22/19 12:46	1
Bromomethane	2.5	U	10	2.5	ug/L			04/22/19 12:46	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/22/19 12:46	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/22/19 12:46	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/22/19 12:46	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/22/19 12:46	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/22/19 12:46	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/22/19 12:46	1
Chloroethane	2.5	U	10	2.5	ug/L			04/22/19 12:46	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/22/19 12:46	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/22/19 12:46	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/22/19 12:46	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/22/19 12:46	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/22/19 12:46	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/22/19 12:46	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/22/19 12:46	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/22/19 12:46	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/22/19 12:46	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/22/19 12:46	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/22/19 12:46	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/22/19 12:46	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/22/19 12:46	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/22/19 12:46	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/22/19 12:46	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/22/19 12:46	1
Iodomethane	4.1	U	15	4.1	ug/L			04/22/19 12:46	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/22/19 12:46	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/22/19 12:46	1
Styrene	0.49	U	2.0	0.49	ug/L			04/22/19 12:46	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/22/19 12:46	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/22/19 12:46	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/22/19 12:46	1
Toluene	0.24	U	1.0	0.24	ug/L			04/22/19 12:46	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/22/19 12:46	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/22/19 12:46	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/22/19 12:46	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/22/19 12:46	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/22/19 12:46	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/22/19 12:46	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/22/19 12:46	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/22/19 12:46	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/22/19 12:46	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/22/19 12:46	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/22/19 12:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/22/19 12:46*	*1*

Client Sample ID: AC79774 4MW 21

Date Collected: 04/12/19 10:24
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93980-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*04/22/19 12:46*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/22/19 12:46*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.4**		0.50	0.20	mg/L			05/03/19 00:40	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:19	1
Iron	**640**		200	25	ug/L		04/22/19 06:30	04/23/19 10:19	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:19	1
Sodium	**5100**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:19	1
Barium	**11**		10	0.92	ug/L		04/22/19 06:30	04/23/19 10:19	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:19	1
Cadmium	**1.2**	**I**	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:19	1
Chromium	**5.0**	**I**	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:19	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:19	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:19	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:19	1
Nickel	**2.9**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:19	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:19	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:19	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:19	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:19	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:19	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:52	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:41	1
Nitrate Nitrite as N	**5.7**		0.50	0.10	mg/L			04/19/19 12:09	10
Total Dissolved Solids	**99**		2.5	2.5	mg/L			04/18/19 15:00	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79775 4MW 22

Date Collected: 04/12/19 13:11
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93980-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/22/19 14:01	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/22/19 14:01	1
Benzene	0.25	U	1.0	0.25	ug/L			04/22/19 14:01	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/22/19 14:01	1
Bromomethane	2.5	U	10	2.5	ug/L			04/22/19 14:01	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/22/19 14:01	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/22/19 14:01	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/22/19 14:01	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/22/19 14:01	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/22/19 14:01	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/22/19 14:01	1
Chloroethane	2.5	U	10	2.5	ug/L			04/22/19 14:01	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/22/19 14:01	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/22/19 14:01	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/22/19 14:01	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/22/19 14:01	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/22/19 14:01	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/22/19 14:01	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/22/19 14:01	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/22/19 14:01	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/22/19 14:01	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/22/19 14:01	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/22/19 14:01	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/22/19 14:01	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/22/19 14:01	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/22/19 14:01	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/22/19 14:01	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/22/19 14:01	1
Iodomethane	4.1	U	15	4.1	ug/L			04/22/19 14:01	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/22/19 14:01	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/22/19 14:01	1
Styrene	0.49	U	2.0	0.49	ug/L			04/22/19 14:01	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/22/19 14:01	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/22/19 14:01	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/22/19 14:01	1
Toluene	0.24	U	1.0	0.24	ug/L			04/22/19 14:01	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/22/19 14:01	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/22/19 14:01	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/22/19 14:01	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/22/19 14:01	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/22/19 14:01	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/22/19 14:01	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/22/19 14:01	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/22/19 14:01	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/22/19 14:01	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/22/19 14:01	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/22/19 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/22/19 14:01*	*1*

Client Sample ID: AC79775 4MW 22

Date Collected: 04/12/19 13:11
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93980-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*04/22/19 14:01*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/22/19 14:01*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**19**		0.50	0.20	mg/L			05/03/19 00:53	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:22	1
Iron	**70**	**I**	200	25	ug/L		04/22/19 06:30	04/23/19 10:22	1
Arsenic	**3.4**	**I**	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:22	1
Sodium	**6600**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:22	1
Barium	**11**		10	0.92	ug/L		04/22/19 06:30	04/23/19 10:22	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:22	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:22	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:22	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:22	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:22	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:22	1
Nickel	**0.83**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:22	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:22	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:22	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:22	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:22	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:22	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:54	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:41	1
Nitrate Nitrite as N	**0.091**		0.050	0.010	mg/L			04/19/19 13:09	1
Total Dissolved Solids	**240**		5.0	5.0	mg/L			04/18/19 15:00	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79968 2MW-26D

Date Collected: 04/17/19 09:42
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93990-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/24/19 14:40	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/19 14:40	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/19 14:40	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/19 14:40	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/19 14:40	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/19 14:40	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/19 14:40	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/19 14:40	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/19 14:40	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/19 14:40	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/19 14:40	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/19 14:40	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/19 14:40	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/19 14:40	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/19 14:40	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/19 14:40	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/19 14:40	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/19 14:40	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/19 14:40	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/19 14:40	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/19 14:40	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/19 14:40	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/19 14:40	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/19 14:40	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/19 14:40	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/19 14:40	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/19 14:40	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/19 14:40	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/19 14:40	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/19 14:40	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/19 14:40	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/19 14:40	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/19 14:40	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/19 14:40	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/19 14:40	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/19 14:40	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/19 14:40	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/19 14:40	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/19 14:40	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/19 14:40	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/19 14:40	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/19 14:40	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/19 14:40	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/19 14:40	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/24/19 14:40	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/19 14:40	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/19 14:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/24/19 14:40*	*1*

Client Sample ID: AC79968 2MW-26D

Date Collected: 04/17/19 09:42
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93990-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*70 - 130*		*04/24/19 14:40*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*04/24/19 14:40*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**51**		0.50	0.20	mg/L			05/03/19 01:05	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:26	1
Iron	25	U	200	25	ug/L		04/22/19 06:30	04/23/19 10:26	1
Arsenic	**2.2**	**I**	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:26	1
Sodium	**25000**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:26	1
Barium	**16**		10	0.92	ug/L		04/22/19 06:30	04/23/19 10:26	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:26	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:26	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:26	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:26	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:26	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:26	1
Nickel	**1.8**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:26	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:26	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:26	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:26	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:26	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:26	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:55	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:41	1
Nitrate Nitrite as N	**0.30**	**J3**	0.050	0.010	mg/L			04/23/19 12:25	1
Total Dissolved Solids	**310**		5.0	5.0	mg/L			04/22/19 12:32	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79969 2MW-25D

Date Collected: 04/17/19 10:34
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93990-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/24/19 14:59	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/19 14:59	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/19 14:59	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/19 14:59	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/19 14:59	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/19 14:59	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/19 14:59	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/19 14:59	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/19 14:59	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/19 14:59	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/19 14:59	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/19 14:59	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/19 14:59	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/19 14:59	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/19 14:59	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/19 14:59	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/19 14:59	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/19 14:59	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/19 14:59	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/19 14:59	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/19 14:59	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/19 14:59	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/19 14:59	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/19 14:59	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/19 14:59	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/19 14:59	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/19 14:59	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/19 14:59	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/19 14:59	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/19 14:59	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/19 14:59	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/19 14:59	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/19 14:59	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/19 14:59	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/19 14:59	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/19 14:59	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/19 14:59	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/19 14:59	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/19 14:59	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/19 14:59	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/19 14:59	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/19 14:59	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/19 14:59	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/19 14:59	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/24/19 14:59	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/19 14:59	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/19 14:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/24/19 14:59*	*1*

Client Sample ID: AC79969 2MW-25D

Date Collected: 04/17/19 10:34
Date Received: 04/18/19 10:34

Lab Sample ID: 660-93990-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*103*		*70 - 130*		*04/24/19 14:59*	*1*
Toluene-d8 (Surr)	*107*		*70 - 130*		*04/24/19 14:59*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**76**		0.50	0.20	mg/L			05/03/19 01:18	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 10:29	1
Iron	**200**		200	25	ug/L		04/22/19 06:30	04/23/19 10:29	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 10:29	1
Sodium	**34000**		1000	120	ug/L		04/22/19 06:30	04/23/19 10:29	1
Barium	**22**		10	0.92	ug/L		04/22/19 06:30	04/23/19 10:29	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 10:29	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 10:29	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 10:29	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:29	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 10:29	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 10:29	1
Nickel	**2.4**	**I**	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 10:29	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 10:29	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 10:29	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 10:29	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 10:29	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 10:29	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:41	1
Nitrate Nitrite as N	**1.7**		0.10	0.020	mg/L			04/23/19 12:29	2
Total Dissolved Solids	**400**		5.0	5.0	mg/L			04/22/19 12:32	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80087 4MW 1

Date Collected: 04/22/19 11:32
Date Received: 04/25/19 11:30

Lab Sample ID: 660-94104-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/01/19 16:21	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/01/19 16:21	1
Benzene	0.25	U	1.0	0.25	ug/L			05/01/19 16:21	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/01/19 16:21	1
Bromomethane	2.5	U	10	2.5	ug/L			05/01/19 16:21	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/01/19 16:21	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/01/19 16:21	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/01/19 16:21	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/01/19 16:21	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/01/19 16:21	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/01/19 16:21	1
Chloroethane	2.5	U	10	2.5	ug/L			05/01/19 16:21	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/01/19 16:21	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/01/19 16:21	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/01/19 16:21	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/01/19 16:21	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/01/19 16:21	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/01/19 16:21	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/01/19 16:21	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/01/19 16:21	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/01/19 16:21	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/01/19 16:21	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/01/19 16:21	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/01/19 16:21	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/01/19 16:21	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/01/19 16:21	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/01/19 16:21	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/01/19 16:21	1
Iodomethane	4.1	U	15	4.1	ug/L			05/01/19 16:21	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/01/19 16:21	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/01/19 16:21	1
Styrene	0.49	U	2.0	0.49	ug/L			05/01/19 16:21	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/01/19 16:21	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/01/19 16:21	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/01/19 16:21	1
Toluene	0.24	U	1.0	0.24	ug/L			05/01/19 16:21	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/01/19 16:21	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/01/19 16:21	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/01/19 16:21	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/01/19 16:21	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/01/19 16:21	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/01/19 16:21	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/01/19 16:21	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/01/19 16:21	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/01/19 16:21	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/01/19 16:21	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/01/19 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*05/01/19 16:21*	*1*

Client Sample ID: AC80087 4MW 1

Date Collected: 04/22/19 11:32
Date Received: 04/25/19 11:30

Lab Sample ID: 660-94104-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*05/01/19 16:21*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/01/19 16:21*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**120**		0.50	0.20	mg/L			05/08/19 00:45	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/26/19 07:01	04/26/19 13:50	1
Iron	25	U	200	25	ug/L		04/26/19 07:01	04/26/19 13:50	1
Arsenic	1.9	U	10	1.9	ug/L		04/26/19 07:01	04/26/19 13:50	1
Sodium	**64000**		1000	120	ug/L		04/26/19 07:01	04/26/19 13:50	1
Barium	**33**		10	0.92	ug/L		04/26/19 07:01	04/26/19 13:50	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/26/19 07:01	04/26/19 13:50	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/26/19 07:01	04/26/19 13:50	1
Chromium	1.1	U	10	1.1	ug/L		04/26/19 07:01	04/26/19 13:50	1
Cobalt	2.0	U	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:50	1
Copper	2.8	U	10	2.8	ug/L		04/26/19 07:01	04/26/19 13:50	1
Lead	2.0	U	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:50	1
Nickel	**5.4**	**I**	8.0	0.81	ug/L		04/26/19 07:01	04/26/19 13:50	1
Selenium	5.0	U	20	5.0	ug/L		04/26/19 07:01	04/26/19 13:50	1
Silver	1.5	U	10	1.5	ug/L		04/26/19 07:01	04/26/19 13:50	1
Thallium	2.8	U	20	2.8	ug/L		04/26/19 07:01	04/26/19 13:50	1
Vanadium	4.4	U	20	4.4	ug/L		04/26/19 07:01	04/26/19 13:50	1
Zinc	14	U	20	14	ug/L		04/26/19 07:01	04/26/19 13:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/01/19 08:00	05/01/19 14:30	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/30/19 14:40	1
Nitrate Nitrite as N	**1.9**		0.050	0.010	mg/L			04/27/19 11:04	1
Total Dissolved Solids	**510**		20	20	mg/L			04/26/19 12:45	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80088 4MW 3A

Date Collected: 04/22/19 13:45
Date Received: 04/25/19 11:30

Lab Sample ID: 660-94104-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/01/19 16:43	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/01/19 16:43	1
Benzene	0.25	U	1.0	0.25	ug/L			05/01/19 16:43	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/01/19 16:43	1
Bromomethane	2.5	U	10	2.5	ug/L			05/01/19 16:43	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/01/19 16:43	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/01/19 16:43	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/01/19 16:43	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/01/19 16:43	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/01/19 16:43	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/01/19 16:43	1
Chloroethane	2.5	U	10	2.5	ug/L			05/01/19 16:43	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/01/19 16:43	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/01/19 16:43	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/01/19 16:43	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/01/19 16:43	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/01/19 16:43	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/01/19 16:43	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/01/19 16:43	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/01/19 16:43	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/01/19 16:43	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/01/19 16:43	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/01/19 16:43	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/01/19 16:43	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/01/19 16:43	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/01/19 16:43	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/01/19 16:43	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/01/19 16:43	1
Iodomethane	4.1	U	15	4.1	ug/L			05/01/19 16:43	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/01/19 16:43	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/01/19 16:43	1
Styrene	0.49	U	2.0	0.49	ug/L			05/01/19 16:43	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/01/19 16:43	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/01/19 16:43	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/01/19 16:43	1
Toluene	0.24	U	1.0	0.24	ug/L			05/01/19 16:43	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/01/19 16:43	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/01/19 16:43	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/01/19 16:43	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/01/19 16:43	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/01/19 16:43	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/01/19 16:43	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/01/19 16:43	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/01/19 16:43	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/01/19 16:43	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/01/19 16:43	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/01/19 16:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*05/01/19 16:43*	*1*

Client Sample ID: AC80088 4MW 3A

Date Collected: 04/22/19 13:45
Date Received: 04/25/19 11:30

Lab Sample ID: 660-94104-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*70 - 130*		*05/01/19 16:43*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/01/19 16:43*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		0.50	0.20	mg/L			05/08/19 00:58	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/26/19 07:01	04/26/19 13:54	1
Iron	**130**	**I**	200	25	ug/L		04/26/19 07:01	04/26/19 13:54	1
Arsenic	1.9	U	10	1.9	ug/L		04/26/19 07:01	04/26/19 13:54	1
Sodium	**11000**		1000	120	ug/L		04/26/19 07:01	04/26/19 13:54	1
Barium	**10**		10	0.92	ug/L		04/26/19 07:01	04/26/19 13:54	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/26/19 07:01	04/26/19 13:54	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/26/19 07:01	04/26/19 13:54	1
Chromium	1.1	U	10	1.1	ug/L		04/26/19 07:01	04/26/19 13:54	1
Cobalt	2.0	U	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:54	1
Copper	2.8	U	10	2.8	ug/L		04/26/19 07:01	04/26/19 13:54	1
Lead	2.0	U	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:54	1
Nickel	**0.95**	**I**	8.0	0.81	ug/L		04/26/19 07:01	04/26/19 13:54	1
Selenium	5.0	U	20	5.0	ug/L		04/26/19 07:01	04/26/19 13:54	1
Silver	1.5	U	10	1.5	ug/L		04/26/19 07:01	04/26/19 13:54	1
Thallium	2.8	U	20	2.8	ug/L		04/26/19 07:01	04/26/19 13:54	1
Vanadium	4.4	U	20	4.4	ug/L		04/26/19 07:01	04/26/19 13:54	1
Zinc	14	U	20	14	ug/L		04/26/19 07:01	04/26/19 13:54	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/01/19 08:28	05/01/19 14:32	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.13**	**I**	0.25	0.10	mg/L			04/30/19 14:40	1
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			04/27/19 11:05	1
Total Dissolved Solids	**250**		20	20	mg/L			04/26/19 12:45	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79987 4MW 5

Date Collected: 04/18/19 11:44
Date Received: 04/25/19 11:30

Lab Sample ID: 660-94119-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/01/19 15:59	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/01/19 15:59	1
Benzene	0.25	U	1.0	0.25	ug/L			05/01/19 15:59	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/01/19 15:59	1
Bromomethane	2.5	U	10	2.5	ug/L			05/01/19 15:59	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/01/19 15:59	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/01/19 15:59	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/01/19 15:59	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/01/19 15:59	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/01/19 15:59	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/01/19 15:59	1
Chloroethane	2.5	U	10	2.5	ug/L			05/01/19 15:59	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/01/19 15:59	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/01/19 15:59	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/01/19 15:59	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/01/19 15:59	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/01/19 15:59	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/01/19 15:59	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/01/19 15:59	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/01/19 15:59	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/01/19 15:59	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/01/19 15:59	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/01/19 15:59	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/01/19 15:59	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/01/19 15:59	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/01/19 15:59	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/01/19 15:59	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/01/19 15:59	1
Iodomethane	4.1	U	15	4.1	ug/L			05/01/19 15:59	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/01/19 15:59	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/01/19 15:59	1
Styrene	0.49	U	2.0	0.49	ug/L			05/01/19 15:59	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/01/19 15:59	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/01/19 15:59	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/01/19 15:59	1
Toluene	0.24	U	1.0	0.24	ug/L			05/01/19 15:59	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/01/19 15:59	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/01/19 15:59	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/01/19 15:59	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/01/19 15:59	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/01/19 15:59	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/01/19 15:59	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/01/19 15:59	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/01/19 15:59	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/01/19 15:59	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/01/19 15:59	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/01/19 15:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*05/01/19 15:59*	*1*

Client Sample ID: AC79987 4MW 5

Date Collected: 04/18/19 11:44
Date Received: 04/25/19 11:30

Lab Sample ID: 660-94119-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*05/01/19 15:59*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/01/19 15:59*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**62**		0.50	0.20	mg/L			05/08/19 01:11	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/26/19 07:01	04/26/19 13:44	1
Iron	25	U	200	25	ug/L		04/26/19 07:01	04/26/19 13:44	1
Arsenic	1.9	U	10	1.9	ug/L		04/26/19 07:01	04/26/19 13:44	1
Sodium	**25000**		1000	120	ug/L		04/26/19 07:01	04/26/19 13:44	1
Barium	**10**		10	0.92	ug/L		04/26/19 07:01	04/26/19 13:44	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/26/19 07:01	04/26/19 13:44	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/26/19 07:01	04/26/19 13:44	1
Chromium	**1.1**	**I**	10	1.1	ug/L		04/26/19 07:01	04/26/19 13:44	1
Cobalt	2.0	U	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:44	1
Copper	2.8	U	10	2.8	ug/L		04/26/19 07:01	04/26/19 13:44	1
Lead	**2.0**	**I**	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:44	1
Nickel	**1.3**	**I**	8.0	0.81	ug/L		04/26/19 07:01	04/26/19 13:44	1
Selenium	5.0	U	20	5.0	ug/L		04/26/19 07:01	04/26/19 13:44	1
Silver	1.5	U	10	1.5	ug/L		04/26/19 07:01	04/26/19 13:44	1
Thallium	2.8	U	20	2.8	ug/L		04/26/19 07:01	04/26/19 13:44	1
Vanadium	4.4	U	20	4.4	ug/L		04/26/19 07:01	04/26/19 13:44	1
Zinc	14	U	20	14	ug/L		04/26/19 07:01	04/26/19 13:44	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/01/19 08:28	05/01/19 14:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/30/19 14:12	1
Nitrate Nitrite as N	**0.74**		0.050	0.010	mg/L			04/27/19 11:07	1
Total Dissolved Solids	**150**	**Q**	20	20	mg/L			04/26/19 12:45	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80322 2MW 27D

Date Collected: 04/29/19 10:02
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94266-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/06/19 21:11	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/19 21:11	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/19 21:11	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/19 21:11	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/19 21:11	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/19 21:11	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/19 21:11	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/19 21:11	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/19 21:11	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/19 21:11	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/19 21:11	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/19 21:11	1
Chloroform	**0.96**	**I**	1.0	0.29	ug/L			05/06/19 21:11	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/19 21:11	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/19 21:11	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/19 21:11	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/19 21:11	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/19 21:11	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/19 21:11	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/19 21:11	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/19 21:11	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/19 21:11	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/19 21:11	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/19 21:11	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/19 21:11	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/19 21:11	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/19 21:11	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/19 21:11	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/19 21:11	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/19 21:11	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/19 21:11	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/19 21:11	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/19 21:11	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/19 21:11	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/19 21:11	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/19 21:11	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/19 21:11	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/19 21:11	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/19 21:11	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/19 21:11	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/19 21:11	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/19 21:11	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/19 21:11	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/19 21:11	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/06/19 21:11	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/19 21:11	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/19 21:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/06/19 21:11*	*1*

Client Sample ID: AC80322 2MW 27D

Date Collected: 04/29/19 10:02
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94266-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*70 - 130*		*05/06/19 21:11*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/06/19 21:11*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**100**		0.50	0.20	mg/L			05/10/19 20:31	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 16:38	1
Iron	**32**	**I**	200	25	ug/L		05/03/19 09:38	05/03/19 16:38	1
Arsenic	1.9	U	10	1.9	ug/L		05/03/19 09:38	05/03/19 16:38	1
Sodium	**44000**		1000	120	ug/L		05/03/19 09:38	05/03/19 16:38	1
Barium	**26**		10	0.92	ug/L		05/03/19 09:38	05/03/19 16:38	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 16:38	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 16:38	1
Chromium	**1.1**	**I**	10	1.1	ug/L		05/03/19 09:38	05/03/19 16:38	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:38	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 16:38	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:38	1
Nickel	**3.1**	**I**	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 16:38	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 16:38	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 16:38	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 16:38	1
Vanadium	4.4	U	20	4.4	ug/L		05/03/19 09:38	05/03/19 16:38	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 16:38	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U J3	0.25	0.10	mg/L			05/07/19 14:08	1
Nitrate Nitrite as N	**1.3**		0.10	0.020	mg/L			05/07/19 13:58	2
Total Dissolved Solids	**430**		20	20	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80323 4MW 27

Date Collected: 04/29/19 12:02
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94266-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/06/19 21:32	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/19 21:32	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/19 21:32	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/19 21:32	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/19 21:32	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/19 21:32	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/19 21:32	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/19 21:32	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/19 21:32	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/19 21:32	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/19 21:32	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/19 21:32	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/19 21:32	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/19 21:32	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/19 21:32	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/19 21:32	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/19 21:32	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/19 21:32	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/19 21:32	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/19 21:32	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/19 21:32	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/19 21:32	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/19 21:32	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/19 21:32	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/19 21:32	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/19 21:32	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/19 21:32	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/19 21:32	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/19 21:32	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/19 21:32	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/19 21:32	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/19 21:32	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/19 21:32	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/19 21:32	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/19 21:32	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/19 21:32	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/19 21:32	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/19 21:32	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/19 21:32	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/19 21:32	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/19 21:32	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/19 21:32	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/19 21:32	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/19 21:32	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/06/19 21:32	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/19 21:32	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/19 21:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/06/19 21:32*	*1*

Client Sample ID: AC80323 4MW 27

Date Collected: 04/29/19 12:02
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94266-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*70 - 130*		*05/06/19 21:32*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/06/19 21:32*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**84**		0.50	0.20	mg/L			05/10/19 20:44	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**4.8**	**I**	20	4.0	ug/L		05/03/19 09:38	05/03/19 16:50	1
Iron	**83**	**I**	200	25	ug/L		05/03/19 09:38	05/03/19 16:50	1
Arsenic	**2.5**	**I**	10	1.9	ug/L		05/03/19 09:38	05/03/19 16:50	1
Sodium	**34000**		1000	120	ug/L		05/03/19 09:38	05/03/19 16:50	1
Barium	**20**		10	0.92	ug/L		05/03/19 09:38	05/03/19 16:50	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 16:50	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 16:50	1
Chromium	1.1	U	10	1.1	ug/L		05/03/19 09:38	05/03/19 16:50	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:50	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 16:50	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:50	1
Nickel	**1.9**	**I**	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 16:50	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 16:50	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 16:50	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 16:50	1
Vanadium	**14**	**I**	20	4.4	ug/L		05/03/19 09:38	05/03/19 16:50	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 16:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:48	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U J3	0.25	0.10	mg/L			05/07/19 14:08	1
Nitrate Nitrite as N	**0.21**		0.050	0.010	mg/L			05/07/19 13:52	1
Total Dissolved Solids	**350**		20	20	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80232 4MW 6
Date Collected: 04/25/19 13:02
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94268-1
Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/06/19 20:50	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/19 20:50	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/19 20:50	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/19 20:50	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/19 20:50	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/19 20:50	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/19 20:50	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/19 20:50	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/19 20:50	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/19 20:50	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/19 20:50	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/19 20:50	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/19 20:50	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/19 20:50	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/19 20:50	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/19 20:50	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/19 20:50	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/19 20:50	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/19 20:50	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/19 20:50	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/19 20:50	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/19 20:50	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/19 20:50	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/19 20:50	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/19 20:50	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/19 20:50	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/19 20:50	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/19 20:50	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/19 20:50	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/19 20:50	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/19 20:50	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/19 20:50	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/19 20:50	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/19 20:50	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/19 20:50	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/19 20:50	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/19 20:50	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/19 20:50	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/19 20:50	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/19 20:50	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/19 20:50	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/19 20:50	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/19 20:50	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/19 20:50	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/06/19 20:50	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/19 20:50	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/19 20:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/06/19 20:50*	*1*

Client Sample ID: AC80232 4MW 6

Date Collected: 04/25/19 13:02
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94268-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*05/06/19 20:50*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/06/19 20:50*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.0**		0.50	0.20	mg/L			05/10/19 20:56	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 16:53	1
Iron	25	U	200	25	ug/L		05/03/19 09:38	05/03/19 16:53	1
Arsenic	**2.4**	**I**	10	1.9	ug/L		05/03/19 09:38	05/03/19 16:53	1
Sodium	**2500**		1000	120	ug/L		05/03/19 09:38	05/03/19 16:53	1
Barium	**4.5**	**I**	10	0.92	ug/L		05/03/19 09:38	05/03/19 16:53	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 16:53	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 16:53	1
Chromium	**1.2**	**I**	10	1.1	ug/L		05/03/19 09:38	05/03/19 16:53	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:53	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 16:53	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:53	1
Nickel	0.81	U	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 16:53	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 16:53	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 16:53	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 16:53	1
Vanadium	4.4	U	20	4.4	ug/L		05/03/19 09:38	05/03/19 16:53	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 16:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:50	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/07/19 14:08	1
Nitrate Nitrite as N	**0.57**		0.050	0.010	mg/L			05/07/19 14:05	1
Total Dissolved Solids	**98**	**Q**	20	20	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80336 2MW 2

Date Collected: 04/30/19 09:42
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/06/19 21:53	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/19 21:53	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/19 21:53	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/19 21:53	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/19 21:53	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/19 21:53	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/19 21:53	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/19 21:53	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/19 21:53	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/19 21:53	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/19 21:53	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/19 21:53	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/19 21:53	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/19 21:53	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/19 21:53	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/19 21:53	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/19 21:53	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/19 21:53	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/19 21:53	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/19 21:53	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/19 21:53	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/19 21:53	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/19 21:53	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/19 21:53	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/19 21:53	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/19 21:53	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/19 21:53	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/19 21:53	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/19 21:53	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/19 21:53	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/19 21:53	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/19 21:53	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/19 21:53	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/19 21:53	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/19 21:53	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/19 21:53	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/19 21:53	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/19 21:53	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/19 21:53	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/19 21:53	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/19 21:53	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/19 21:53	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/19 21:53	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/19 21:53	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/06/19 21:53	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/19 21:53	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/19 21:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/06/19 21:53*	*1*

Client Sample ID: AC80336 2MW 2

Date Collected: 04/30/19 09:42
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*05/06/19 21:53*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/06/19 21:53*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.3**		0.50	0.20	mg/L			05/10/19 21:09	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 16:56	1
Iron	25	U	200	25	ug/L		05/03/19 09:38	05/03/19 16:56	1
Arsenic	1.9	U	10	1.9	ug/L		05/03/19 09:38	05/03/19 16:56	1
Sodium	**3100**		1000	120	ug/L		05/03/19 09:38	05/03/19 16:56	1
Barium	**46**		10	0.92	ug/L		05/03/19 09:38	05/03/19 16:56	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 16:56	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 16:56	1
Chromium	1.1	U	10	1.1	ug/L		05/03/19 09:38	05/03/19 16:56	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:56	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 16:56	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:56	1
Nickel	0.81	U	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 16:56	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 16:56	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 16:56	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 16:56	1
Vanadium	4.4	U	20	4.4	ug/L		05/03/19 09:38	05/03/19 16:56	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 16:56	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:52	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/07/19 14:08	1
Nitrate Nitrite as N	**5.4**		0.50	0.10	mg/L			05/07/19 14:01	10
Total Dissolved Solids	**57**		10	10	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80337 4MW 2

Date Collected: 04/30/19 11:14
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/06/19 22:14	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/19 22:14	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/19 22:14	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/19 22:14	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/19 22:14	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/19 22:14	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/19 22:14	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/19 22:14	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/19 22:14	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/19 22:14	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/19 22:14	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/19 22:14	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/19 22:14	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/19 22:14	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/19 22:14	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/19 22:14	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/19 22:14	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/19 22:14	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/19 22:14	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/19 22:14	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/19 22:14	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/19 22:14	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/19 22:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/19 22:14	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/19 22:14	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/19 22:14	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/19 22:14	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/19 22:14	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/19 22:14	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/19 22:14	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/19 22:14	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/19 22:14	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/19 22:14	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/19 22:14	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/19 22:14	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/19 22:14	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/19 22:14	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/19 22:14	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/19 22:14	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/19 22:14	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/19 22:14	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/19 22:14	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/19 22:14	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/19 22:14	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/06/19 22:14	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/19 22:14	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/19 22:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/06/19 22:14*	*1*

Client Sample ID: AC80337 4MW 2

Date Collected: 04/30/19 11:14
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*70 - 130*		*05/06/19 22:14*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/06/19 22:14*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.2**		0.50	0.20	mg/L			05/10/19 21:22	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 17:05	1
Iron	25	U	200	25	ug/L		05/03/19 09:38	05/03/19 17:05	1
Arsenic	1.9	U	10	1.9	ug/L		05/03/19 09:38	05/03/19 17:05	1
Sodium	**2700**		1000	120	ug/L		05/03/19 09:38	05/03/19 17:05	1
Barium	**6.9**	**I**	10	0.92	ug/L		05/03/19 09:38	05/03/19 17:05	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 17:05	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 17:05	1
Chromium	1.1	U	10	1.1	ug/L		05/03/19 09:38	05/03/19 17:05	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:05	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 17:05	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:05	1
Nickel	0.81	U	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 17:05	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 17:05	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 17:05	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 17:05	1
Vanadium	**4.8**	**I**	20	4.4	ug/L		05/03/19 09:38	05/03/19 17:05	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 17:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:54	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/07/19 14:03	1
Nitrate Nitrite as N	**1.1**		0.050	0.010	mg/L			05/07/19 14:02	1
Total Dissolved Solids	**100**		20	20	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80338 4MW 13D

Date Collected: 04/30/19 13:50
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/06/19 22:35	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/19 22:35	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/19 22:35	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/19 22:35	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/19 22:35	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/19 22:35	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/19 22:35	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/19 22:35	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/19 22:35	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/19 22:35	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/19 22:35	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/19 22:35	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/19 22:35	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/19 22:35	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/19 22:35	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/19 22:35	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/19 22:35	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/19 22:35	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/19 22:35	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/19 22:35	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/19 22:35	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/19 22:35	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/19 22:35	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/19 22:35	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/19 22:35	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/19 22:35	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/19 22:35	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/19 22:35	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/19 22:35	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/19 22:35	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/19 22:35	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/19 22:35	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/19 22:35	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/19 22:35	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/19 22:35	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/19 22:35	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/19 22:35	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/19 22:35	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/19 22:35	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/19 22:35	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/19 22:35	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/19 22:35	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/19 22:35	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/19 22:35	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/06/19 22:35	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/19 22:35	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/19 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*96*		*70 - 130*		*05/06/19 22:35*	*1*

Client Sample ID: AC80338 4MW 13D

Date Collected: 04/30/19 13:50
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*05/06/19 22:35*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/06/19 22:35*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**18**		0.50	0.20	mg/L			05/10/19 21:34	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 17:09	1
Iron	25	U	200	25	ug/L		05/03/19 09:38	05/03/19 17:09	1
Arsenic	1.9	U	10	1.9	ug/L		05/03/19 09:38	05/03/19 17:09	1
Sodium	**8400**		1000	120	ug/L		05/03/19 09:38	05/03/19 17:09	1
Barium	**7.8**	**I**	10	0.92	ug/L		05/03/19 09:38	05/03/19 17:09	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 17:09	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 17:09	1
Chromium	1.1	U	10	1.1	ug/L		05/03/19 09:38	05/03/19 17:09	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:09	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 17:09	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:09	1
Nickel	0.81	U	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 17:09	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 17:09	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 17:09	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 17:09	1
Vanadium	**5.4**	**I**	20	4.4	ug/L		05/03/19 09:38	05/03/19 17:09	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 17:09	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/07/19 12:25	1
Nitrate Nitrite as N	**0.019**	**I**	0.050	0.010	mg/L			05/07/19 14:04	1
Total Dissolved Solids	**240**		20	20	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80489 4MW 27D

Date Collected: 05/01/19 12:17
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94274-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/08/19 13:27	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/08/19 13:27	1
Benzene	0.25	U	1.0	0.25	ug/L			05/08/19 13:27	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/08/19 13:27	1
Bromomethane	2.5	U	10	2.5	ug/L			05/08/19 13:27	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/08/19 13:27	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/08/19 13:27	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/08/19 13:27	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/08/19 13:27	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/08/19 13:27	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/08/19 13:27	1
Chloroethane	2.5	U	10	2.5	ug/L			05/08/19 13:27	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/08/19 13:27	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/08/19 13:27	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/08/19 13:27	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/08/19 13:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/08/19 13:27	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/08/19 13:27	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/08/19 13:27	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/08/19 13:27	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/08/19 13:27	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/08/19 13:27	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/08/19 13:27	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/08/19 13:27	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/08/19 13:27	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/08/19 13:27	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/08/19 13:27	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/08/19 13:27	1
Iodomethane	4.1	U	15	4.1	ug/L			05/08/19 13:27	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/08/19 13:27	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/08/19 13:27	1
Styrene	0.49	U	2.0	0.49	ug/L			05/08/19 13:27	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/08/19 13:27	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/08/19 13:27	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/08/19 13:27	1
Toluene	0.24	U	1.0	0.24	ug/L			05/08/19 13:27	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/08/19 13:27	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/08/19 13:27	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/08/19 13:27	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/08/19 13:27	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/08/19 13:27	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/08/19 13:27	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/08/19 13:27	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/08/19 13:27	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/08/19 13:27	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/08/19 13:27	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/08/19 13:27	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/08/19 13:27*	*1*

Client Sample ID: AC80489 4MW 27D

Date Collected: 05/01/19 12:17
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94274-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*70 - 130*		*05/08/19 13:27*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/08/19 13:27*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		0.50	0.20	mg/L			05/10/19 21:47	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 17:12	1
Iron	**170**	**I**	200	25	ug/L		05/03/19 09:38	05/03/19 17:12	1
Arsenic	1.9	U	10	1.9	ug/L		05/03/19 09:38	05/03/19 17:12	1
Sodium	**2900**		1000	120	ug/L		05/03/19 09:38	05/03/19 17:12	1
Barium	**10**		10	0.92	ug/L		05/03/19 09:38	05/03/19 17:12	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 17:12	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 17:12	1
Chromium	1.1	U	10	1.1	ug/L		05/03/19 09:38	05/03/19 17:12	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:12	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 17:12	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:12	1
Nickel	0.81	U	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 17:12	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 17:12	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 17:12	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 17:12	1
Vanadium	4.4	U	20	4.4	ug/L		05/03/19 09:38	05/03/19 17:12	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 17:12	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:57	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.23**	**I**	0.25	0.10	mg/L			05/07/19 12:25	1
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			05/07/19 13:59	1
Total Dissolved Solids	**150**		20	20	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80490 2MW 15DA

Date Collected: 05/01/19 14:04
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94274-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/08/19 13:48	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/08/19 13:48	1
Benzene	0.25	U	1.0	0.25	ug/L			05/08/19 13:48	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/08/19 13:48	1
Bromomethane	2.5	U	10	2.5	ug/L			05/08/19 13:48	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/08/19 13:48	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/08/19 13:48	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/08/19 13:48	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/08/19 13:48	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/08/19 13:48	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/08/19 13:48	1
Chloroethane	2.5	U	10	2.5	ug/L			05/08/19 13:48	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/08/19 13:48	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/08/19 13:48	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/08/19 13:48	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/08/19 13:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/08/19 13:48	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/08/19 13:48	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/08/19 13:48	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/08/19 13:48	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/08/19 13:48	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/08/19 13:48	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/08/19 13:48	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/08/19 13:48	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/08/19 13:48	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/08/19 13:48	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/08/19 13:48	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/08/19 13:48	1
Iodomethane	4.1	U	15	4.1	ug/L			05/08/19 13:48	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/08/19 13:48	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/08/19 13:48	1
Styrene	0.49	U	2.0	0.49	ug/L			05/08/19 13:48	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/08/19 13:48	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/08/19 13:48	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/08/19 13:48	1
Toluene	0.24	U	1.0	0.24	ug/L			05/08/19 13:48	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/08/19 13:48	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/08/19 13:48	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/08/19 13:48	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/08/19 13:48	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/08/19 13:48	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/08/19 13:48	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/08/19 13:48	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/08/19 13:48	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/08/19 13:48	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/08/19 13:48	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/08/19 13:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/08/19 13:48*	*1*

Client Sample ID: AC80490 2MW 15DA

Date Collected: 05/01/19 14:04
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94274-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*05/08/19 13:48*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/08/19 13:48*	*1*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.8**		0.50	0.20	mg/L			05/10/19 22:00	1

Method: 6010D - Metals (ICP) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 17:15	1
Iron	**140**	**I**	200	25	ug/L		05/03/19 09:38	05/03/19 17:15	1
Arsenic	1.9	U	10	1.9	ug/L		05/03/19 09:38	05/03/19 17:15	1
Sodium	**4300**		1000	120	ug/L		05/03/19 09:38	05/03/19 17:15	1
Barium	**9.3**	**I**	10	0.92	ug/L		05/03/19 09:38	05/03/19 17:15	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 17:15	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 17:15	1
Chromium	**2.9**	**I**	10	1.1	ug/L		05/03/19 09:38	05/03/19 17:15	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:15	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 17:15	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 17:15	1
Nickel	**1.2**	**I**	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 17:15	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 17:15	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 17:15	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 17:15	1
Vanadium	4.4	U	20	4.4	ug/L		05/03/19 09:38	05/03/19 17:15	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 17:15	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 19:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/07/19 12:25	1
Nitrate Nitrite as N	**0.21**		0.050	0.010	mg/L			05/07/19 14:00	1
Total Dissolved Solids	**160**		20	20	mg/L			05/03/19 09:22	1

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 660-209620/6
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/20/19 11:57	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/20/19 11:57	1
Benzene	0.25	U	1.0	0.25	ug/L			04/20/19 11:57	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/20/19 11:57	1
Bromomethane	2.5	U	10	2.5	ug/L			04/20/19 11:57	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/20/19 11:57	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/20/19 11:57	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/20/19 11:57	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/20/19 11:57	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/20/19 11:57	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/20/19 11:57	1
Chloroethane	2.5	U	10	2.5	ug/L			04/20/19 11:57	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/20/19 11:57	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/20/19 11:57	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/20/19 11:57	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/20/19 11:57	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/20/19 11:57	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/20/19 11:57	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/20/19 11:57	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/20/19 11:57	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/20/19 11:57	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/20/19 11:57	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/20/19 11:57	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/20/19 11:57	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/20/19 11:57	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/20/19 11:57	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/20/19 11:57	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/20/19 11:57	1
Iodomethane	4.1	U	15	4.1	ug/L			04/20/19 11:57	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/20/19 11:57	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/20/19 11:57	1
Styrene	0.49	U	2.0	0.49	ug/L			04/20/19 11:57	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/20/19 11:57	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/20/19 11:57	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/20/19 11:57	1
Toluene	0.24	U	1.0	0.24	ug/L			04/20/19 11:57	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/20/19 11:57	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/20/19 11:57	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/20/19 11:57	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/20/19 11:57	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/20/19 11:57	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/20/19 11:57	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/20/19 11:57	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/20/19 11:57	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/20/19 11:57	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/20/19 11:57	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/20/19 11:57	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-209620/6
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	97		70 - 130		04/20/19 11:57	1
Dibromofluoromethane	101		70 - 130		04/20/19 11:57	1
Toluene-d8 (Surr)	99		70 - 130		04/20/19 11:57	1

Lab Sample ID: LCS 660-209620/4
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	92.8		ug/L		93	52 - 150
Acrylonitrile	100	96.1		ug/L		96	66 - 131
Benzene	10.0	9.29		ug/L		93	69 - 131
Bromoform	10.0	9.14		ug/L		91	60 - 130
Bromomethane	10.0	6.85	I	ug/L		68	10 - 150
2-Butanone (MEK)	100	93.0		ug/L		93	65 - 130
Carbon disulfide	10.0	7.83		ug/L		78	15 - 150
Carbon tetrachloride	10.0	7.64		ug/L		76	62 - 130
Chlorobenzene	10.0	9.42		ug/L		94	68 - 130
Chlorobromomethane	10.0	9.60		ug/L		96	68 - 130
Chlorodibromomethane	10.0	9.01		ug/L		90	58 - 130
Chloroethane	10.0	8.04	I	ug/L		80	52 - 150
Chloroform	10.0	9.59		ug/L		96	77 - 130
Chloromethane	10.0	8.17		ug/L		82	59 - 137
cis-1,2-Dichloroethene	10.0	9.58		ug/L		96	69 - 133
cis-1,3-Dichloropropene	10.0	9.69		ug/L		97	61 - 130
1,2-Dibromo-3-Chloropropane	10.0	8.98	I	ug/L		90	54 - 139
Dibromomethane	10.0	9.83		ug/L		98	64 - 130
1,2-Dichlorobenzene	10.0	9.81		ug/L		98	69 - 133
1,4-Dichlorobenzene	10.0	9.33		ug/L		93	69 - 133
Dichlorobromomethane	10.0	9.18		ug/L		92	67 - 131
1,1-Dichloroethane	10.0	9.44		ug/L		94	69 - 130
1,2-Dichloroethane	10.0	9.13		ug/L		91	65 - 130
1,1-Dichloroethene	10.0	8.85		ug/L		89	62 - 133
1,2-Dichloropropane	10.0	9.62		ug/L		96	79 - 130
Ethylbenzene	10.0	8.64		ug/L		86	77 - 130
Ethylene Dibromide	10.0	9.10		ug/L		91	63 - 130
2-Hexanone	100	92.0		ug/L		92	47 - 147
Iodomethane	10.0	9.15	I	ug/L		91	21 - 150
Methylene Chloride	10.0	9.42	I	ug/L		94	68 - 142
4-Methyl-2-pentanone (MIBK)	100	91.7		ug/L		92	46 - 146
Styrene	10.0	9.17		ug/L		92	66 - 130
1,1,1,2-Tetrachloroethane	10.0	9.21		ug/L		92	67 - 130
1,1,2,2-Tetrachloroethane	10.0	9.67		ug/L		97	67 - 130
Tetrachloroethene	10.0	8.19		ug/L		82	65 - 130
Toluene	10.0	8.98		ug/L		90	77 - 130
trans-1,4-Dichloro-2-butene	10.0	9.32	I	ug/L		93	55 - 130
trans-1,2-Dichloroethene	10.0	9.61		ug/L		96	67 - 139
trans-1,3-Dichloropropene	10.0	8.75		ug/L		87	57 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-209620/4
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,1-Trichloroethane	10.0	8.40		ug/L		84	65 - 130
1,1,2-Trichloroethane	10.0	9.92		ug/L		99	68 - 130
Trichloroethene	10.0	8.48		ug/L		85	68 - 130
Trichlorofluoromethane	10.0	7.36		ug/L		74	56 - 135
1,2,3-Trichloropropane	10.0	10.0		ug/L		100	68 - 130
Vinyl acetate	20.0	17.2		ug/L		86	62 - 130
Vinyl chloride	10.0	7.59		ug/L		76	59 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 660-93827-D-6 MS
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.0	U	100	87.0		ug/L		87	52 - 150
Acrylonitrile	2.9	U	100	95.2		ug/L		95	66 - 131
Benzene	0.25	U	10.0	9.40		ug/L		94	69 - 131
Bromoform	1.1	U	10.0	8.02		ug/L		80	60 - 130
Bromomethane	2.5	U	10.0	6.06	I	ug/L		61	10 - 150
2-Butanone (MEK)	3.2	U	100	90.3		ug/L		90	65 - 130
Carbon disulfide	0.35	U	10.0	7.90		ug/L		79	15 - 150
Carbon tetrachloride	0.23	U	10.0	9.23		ug/L		92	62 - 130
Chlorobenzene	0.27	U	10.0	9.28		ug/L		93	68 - 130
Chlorobromomethane	0.36	U	10.0	9.04		ug/L		90	68 - 130
Chlorodibromomethane	0.31	U	10.0	8.49		ug/L		85	58 - 130
Chloroethane	2.5	U	10.0	8.04	I	ug/L		80	52 - 150
Chloroform	0.29	U	10.0	9.68		ug/L		97	77 - 130
Chloromethane	0.76	U	10.0	7.25		ug/L		73	59 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	9.54		ug/L		95	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	9.34		ug/L		93	61 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	8.49	I	ug/L		85	54 - 139
Dibromomethane	0.46	U	10.0	9.19		ug/L		92	64 - 130
1,2-Dichlorobenzene	0.24	U	10.0	10.0		ug/L		100	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	9.68		ug/L		97	69 - 133
Dichlorobromomethane	0.23	U	10.0	8.54		ug/L		85	67 - 131
1,1-Dichloroethane	0.32	U	10.0	9.80		ug/L		98	69 - 130
1,2-Dichloroethane	0.31	U	10.0	9.42		ug/L		94	65 - 130
1,1-Dichloroethene	0.26	U	10.0	9.64		ug/L		96	62 - 133
1,2-Dichloropropane	0.52	U	10.0	9.18		ug/L		92	79 - 130
Ethylbenzene	0.27	U	10.0	9.09		ug/L		91	77 - 130
Ethylene Dibromide	0.27	U	10.0	8.99		ug/L		90	63 - 130
2-Hexanone	4.4	U	100	89.9		ug/L		90	47 - 147
Iodomethane	4.1	U	10.0	6.79	I	ug/L		68	21 - 150
Methylene Chloride	1.4	U	10.0	8.32	I	ug/L		83	68 - 142

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-93827-D-6 MS
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
4-Methyl-2-pentanone (MIBK)	4.0	U	100	89.7		ug/L		90	46 - 146
Styrene	0.49	U	10.0	8.97		ug/L		90	66 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	9.04		ug/L		90	67 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	9.86		ug/L		99	67 - 130
Tetrachloroethene	0.50	U	10.0	9.46		ug/L		95	65 - 130
Toluene	0.24	U	10.0	9.23		ug/L		92	77 - 130
trans-1,4-Dichloro-2-butene	1.5	U	10.0	8.33	I	ug/L		83	55 - 130
trans-1,2-Dichloroethene	0.39	U	10.0	9.42		ug/L		94	67 - 139
trans-1,3-Dichloropropene	0.27	U	10.0	8.41		ug/L		84	57 - 130
1,1,1-Trichloroethane	0.30	U	10.0	9.38		ug/L		94	65 - 130
1,1,2-Trichloroethane	0.29	U	10.0	9.89		ug/L		99	68 - 130
Trichloroethene	0.61	U	10.0	9.74		ug/L		97	68 - 130
Trichlorofluoromethane	0.49	U	10.0	8.89		ug/L		89	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	9.61		ug/L		96	68 - 130
Vinyl acetate	0.95	U	20.0	18.0		ug/L		90	62 - 130
Vinyl chloride	0.26	U	10.0	6.71		ug/L		67	59 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 660-93827-D-5 DU
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	3.0	U	3.0	U	ug/L		NC	30
Acrylonitrile	2.9	U	2.9	U	ug/L		NC	30
Benzene	0.25	U	0.25	U	ug/L		NC	30
Bromoform	1.1	U	1.1	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
2-Butanone (MEK)	3.2	U	3.2	U	ug/L		NC	30
Carbon disulfide	0.35	U	0.35	U	ug/L		NC	30
Carbon tetrachloride	0.23	U	0.23	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chlorobromomethane	0.36	U	0.36	U	ug/L		NC	30
Chlorodibromomethane	0.31	U	0.31	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
Chloromethane	0.76	U	0.76	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.39	U	0.39	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Dibromomethane	0.46	U	0.46	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
Dichlorobromomethane	0.23	U	0.23	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-93827-D-5 DU
Matrix: Water
Analysis Batch: 209620

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,1-Dichloroethane	0.32	U		0.32	U	ug/L				NC	30
1,2-Dichloroethane	0.31	U		0.31	U	ug/L				NC	30
1,1-Dichloroethene	0.26	U		0.26	U	ug/L				NC	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
Ethylbenzene	0.27	U		0.27	U	ug/L				NC	30
Ethylene Dibromide	0.27	U		0.27	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Iodomethane	4.1	U		4.1	U	ug/L				NC	30
Methylene Chloride	1.4	U		1.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	4.0	U		4.0	U	ug/L				NC	30
Styrene	0.49	U		0.49	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.36	U		0.36	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.44	U		0.44	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	0.24	U		0.24	U	ug/L				NC	30
trans-1,4-Dichloro-2-butene	1.5	U		1.5	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.39	U		0.39	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.27	U		0.27	U	ug/L				NC	30
1,1,1-Trichloroethane	0.30	U		0.30	U	ug/L				NC	30
1,1,2-Trichloroethane	0.29	U		0.29	U	ug/L				NC	30
Trichloroethene	0.61	U		0.61	U	ug/L				NC	30
Trichlorofluoromethane	0.49	U		0.49	U	ug/L				NC	30
1,2,3-Trichloropropane	0.44	U		0.44	U	ug/L				NC	30
Vinyl acetate	0.95	U		0.95	U	ug/L				NC	30
Vinyl chloride	0.26	U		0.26	U	ug/L				NC	30
Xylenes, Total	0.50	U		0.50	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 660-209650/6
Matrix: Water
Analysis Batch: 209650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/22/19 11:41	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/22/19 11:41	1
Benzene	0.25	U	1.0	0.25	ug/L			04/22/19 11:41	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/22/19 11:41	1
Bromomethane	2.5	U	10	2.5	ug/L			04/22/19 11:41	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/22/19 11:41	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/22/19 11:41	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/22/19 11:41	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/22/19 11:41	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/22/19 11:41	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/22/19 11:41	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-209650/6
Matrix: Water
Analysis Batch: 209650

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroethane	2.5	U	10	2.5	ug/L			04/22/19 11:41	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/22/19 11:41	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/22/19 11:41	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/22/19 11:41	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/22/19 11:41	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/22/19 11:41	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/22/19 11:41	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/22/19 11:41	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/22/19 11:41	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/22/19 11:41	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/22/19 11:41	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/22/19 11:41	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/22/19 11:41	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/22/19 11:41	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/22/19 11:41	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/22/19 11:41	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/22/19 11:41	1
Iodomethane	4.1	U	15	4.1	ug/L			04/22/19 11:41	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/22/19 11:41	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/22/19 11:41	1
Styrene	0.49	U	2.0	0.49	ug/L			04/22/19 11:41	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/22/19 11:41	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/22/19 11:41	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/22/19 11:41	1
Toluene	0.24	U	1.0	0.24	ug/L			04/22/19 11:41	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/22/19 11:41	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/22/19 11:41	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/22/19 11:41	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/22/19 11:41	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/22/19 11:41	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/22/19 11:41	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/22/19 11:41	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/22/19 11:41	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/22/19 11:41	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/22/19 11:41	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/22/19 11:41	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/22/19 11:41*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*04/22/19 11:41*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*04/22/19 11:41*	*1*

Lab Sample ID: LCS 660-209650/4
Matrix: Water
Analysis Batch: 209650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	98.0		ug/L		98	52 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-209650/4
Matrix: Water
Analysis Batch: 209650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acrylonitrile	100	100		ug/L		100	66 - 131
Benzene	10.0	10.3		ug/L		103	69 - 131
Bromoform	10.0	9.89		ug/L		99	60 - 130
Bromomethane	10.0	11.5		ug/L		115	10 - 150
2-Butanone (MEK)	100	101		ug/L		101	65 - 130
Carbon disulfide	10.0	10.3		ug/L		103	15 - 150
Carbon tetrachloride	10.0	10.5		ug/L		105	62 - 130
Chlorobenzene	10.0	9.96		ug/L		100	68 - 130
Chlorobromomethane	10.0	10.9		ug/L		109	68 - 130
Chlorodibromomethane	10.0	10.4		ug/L		104	58 - 130
Chloroethane	10.0	9.95	I	ug/L		99	52 - 150
Chloroform	10.0	10.6		ug/L		106	77 - 130
Chloromethane	10.0	8.52		ug/L		85	59 - 137
cis-1,2-Dichloroethene	10.0	10.7		ug/L		107	69 - 133
cis-1,3-Dichloropropene	10.0	10.9		ug/L		109	61 - 130
1,2-Dibromo-3-Chloropropane	10.0	9.82	I	ug/L		98	54 - 139
Dibromomethane	10.0	10.1		ug/L		101	64 - 130
1,2-Dichlorobenzene	10.0	9.85		ug/L		98	69 - 133
1,4-Dichlorobenzene	10.0	10.0		ug/L		100	69 - 133
Dichlorobromomethane	10.0	10.3		ug/L		103	67 - 131
1,1-Dichloroethane	10.0	10.7		ug/L		107	69 - 130
1,2-Dichloroethane	10.0	10.1		ug/L		101	65 - 130
1,1-Dichloroethene	10.0	11.5		ug/L		115	62 - 133
1,2-Dichloropropane	10.0	10.6		ug/L		106	79 - 130
Ethylbenzene	10.0	10.0		ug/L		100	77 - 130
Ethylene Dibromide	10.0	10.0		ug/L		100	63 - 130
2-Hexanone	100	98.8		ug/L		99	47 - 147
Iodomethane	10.0	11.4	I	ug/L		114	21 - 150
Methylene Chloride	10.0	9.92	I	ug/L		99	68 - 142
4-Methyl-2-pentanone (MIBK)	100	101		ug/L		101	46 - 146
Styrene	10.0	9.49		ug/L		95	66 - 130
1,1,1,2-Tetrachloroethane	10.0	10.0		ug/L		100	67 - 130
1,1,2,2-Tetrachloroethane	10.0	9.50		ug/L		95	67 - 130
Tetrachloroethene	10.0	10.6		ug/L		106	65 - 130
Toluene	10.0	10.4		ug/L		104	77 - 130
trans-1,4-Dichloro-2-butene	10.0	10.1		ug/L		101	55 - 130
trans-1,2-Dichloroethene	10.0	11.1		ug/L		111	67 - 139
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	57 - 130
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	65 - 130
1,1,2-Trichloroethane	10.0	10.6		ug/L		106	68 - 130
Trichloroethene	10.0	10.3		ug/L		103	68 - 130
Trichlorofluoromethane	10.0	9.81		ug/L		98	56 - 135
1,2,3-Trichloropropane	10.0	10.1		ug/L		101	68 - 130
Vinyl acetate	20.0	19.4		ug/L		97	62 - 130
Vinyl chloride	10.0	9.13		ug/L		91	59 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-209650/4
Matrix: Water
Analysis Batch: 209650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-93980-2 MS
Matrix: Water
Analysis Batch: 209650

Client Sample ID: AC79774 4MW 21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.0	U	100	100		ug/L		100	52 - 150
Acrylonitrile	2.9	U	100	104		ug/L		104	66 - 131
Benzene	0.25	U	10.0	11.5		ug/L		115	69 - 131
Bromoform	1.1	U	10.0	10.3		ug/L		103	60 - 130
Bromomethane	2.5	U	10.0	12.1		ug/L		121	10 - 150
2-Butanone (MEK)	3.2	U	100	104		ug/L		104	65 - 130
Carbon disulfide	0.35	U	10.0	10.8		ug/L		108	15 - 150
Carbon tetrachloride	0.23	U	10.0	11.7		ug/L		117	62 - 130
Chlorobenzene	0.27	U	10.0	10.6		ug/L		106	68 - 130
Chlorobromomethane	0.36	U	10.0	11.1		ug/L		111	68 - 130
Chlorodibromomethane	0.31	U	10.0	10.9		ug/L		109	58 - 130
Chloroethane	2.5	U	10.0	11.2		ug/L		112	52 - 150
Chloroform	0.29	U	10.0	11.7		ug/L		117	77 - 130
Chloromethane	0.76	U	10.0	9.61		ug/L		96	59 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	11.5		ug/L		115	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	11.4		ug/L		114	61 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	10.1		ug/L		101	54 - 139
Dibromomethane	0.46	U	10.0	10.7		ug/L		107	64 - 130
1,2-Dichlorobenzene	0.24	U	10.0	10.5		ug/L		105	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	10.4		ug/L		104	69 - 133
Dichlorobromomethane	0.23	U	10.0	11.1		ug/L		111	67 - 131
1,1-Dichloroethane	0.32	U	10.0	11.5		ug/L		115	69 - 130
1,2-Dichloroethane	0.31	U	10.0	10.8		ug/L		108	65 - 130
1,1-Dichloroethene	0.26	U	10.0	12.4		ug/L		124	62 - 133
1,2-Dichloropropane	0.52	U	10.0	11.8		ug/L		118	79 - 130
Ethylbenzene	0.27	U	10.0	10.7		ug/L		107	77 - 130
Ethylene Dibromide	0.27	U	10.0	11.0		ug/L		110	63 - 130
2-Hexanone	4.4	U	100	104		ug/L		104	47 - 147
Iodomethane	4.1	U	10.0	9.48	I	ug/L		95	21 - 150
Methylene Chloride	1.4	U	10.0	10.1		ug/L		101	68 - 142
4-Methyl-2-pentanone (MIBK)	4.0	U	100	107		ug/L		107	46 - 146
Styrene	0.49	U	10.0	10.0		ug/L		100	66 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	10.7		ug/L		107	67 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	10.2		ug/L		102	67 - 130
Tetrachloroethene	0.50	U	10.0	11.3		ug/L		113	65 - 130
Toluene	0.24	U	10.0	11.4		ug/L		114	77 - 130
trans-1,4-Dichloro-2-butene	1.5	U	10.0	9.14	I	ug/L		91	55 - 130
trans-1,2-Dichloroethene	0.39	U	10.0	11.8		ug/L		118	67 - 139
trans-1,3-Dichloropropene	0.27	U	10.0	10.6		ug/L		106	57 - 130
1,1,1-Trichloroethane	0.30	U	10.0	12.0		ug/L		120	65 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-93980-2 MS
Matrix: Water
Analysis Batch: 209650

Client Sample ID: AC79774 4MW 21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	0.29	U	10.0	11.3		ug/L		113	68 - 130
Trichloroethene	0.61	U	10.0	11.8		ug/L		118	68 - 130
Trichlorofluoromethane	0.49	U	10.0	10.9		ug/L		109	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	10.5		ug/L		105	68 - 130
Vinyl acetate	0.95	U	20.0	20.2		ug/L		101	62 - 130
Vinyl chloride	0.26	U	10.0	10.1		ug/L		101	59 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 660-93980-1 DU
Matrix: Water
Analysis Batch: 209650

Client Sample ID: AC79773 4MW 8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	3.0	U	3.0	U	ug/L		NC	30
Acrylonitrile	2.9	U	2.9	U	ug/L		NC	30
Benzene	0.25	U	0.25	U	ug/L		NC	30
Bromoform	1.1	U	1.1	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
2-Butanone (MEK)	3.2	U	3.2	U	ug/L		NC	30
Carbon disulfide	0.35	U	0.35	U	ug/L		NC	30
Carbon tetrachloride	0.23	U	0.23	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chlorobromomethane	0.36	U	0.36	U	ug/L		NC	30
Chlorodibromomethane	0.31	U	0.31	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
Chloromethane	0.76	U	0.76	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.39	U	0.39	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Dibromomethane	0.46	U	0.46	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
Dichlorobromomethane	0.23	U	0.23	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichloroethane	0.31	U	0.31	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Ethylene Dibromide	0.27	U	0.27	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
Iodomethane	4.1	U	4.1	U	ug/L		NC	30
Methylene Chloride	1.4	U	1.4	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-93980-1 DU
Matrix: Water
Analysis Batch: 209650

Client Sample ID: AC79773 4MW 8
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Styrene	0.49	U		0.49	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.36	U		0.36	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.44	U		0.44	U	ug/L				NC	30
Tetrachloroethene	0.50	U		0.50	U	ug/L				NC	30
Toluene	0.24	U		0.24	U	ug/L				NC	30
trans-1,4-Dichloro-2-butene	1.5	U		1.5	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.39	U		0.39	U	ug/L				NC	30
trans-1,3-Dichloropropene	0.27	U		0.27	U	ug/L				NC	30
1,1,1-Trichloroethane	0.30	U		0.30	U	ug/L				NC	30
1,1,2-Trichloroethane	0.29	U		0.29	U	ug/L				NC	30
Trichloroethene	0.61	U		0.61	U	ug/L				NC	30
Trichlorofluoromethane	0.49	U		0.49	U	ug/L				NC	30
1,2,3-Trichloropropane	0.44	U		0.44	U	ug/L				NC	30
Vinyl acetate	0.95	U		0.95	U	ug/L				NC	30
Vinyl chloride	0.26	U		0.26	U	ug/L				NC	30
Xylenes, Total	0.50	U		0.50	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 660-209689/6
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/23/19 11:22	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/23/19 11:22	1
Benzene	0.25	U	1.0	0.25	ug/L			04/23/19 11:22	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/23/19 11:22	1
Bromomethane	2.5	U	10	2.5	ug/L			04/23/19 11:22	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/23/19 11:22	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/23/19 11:22	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/23/19 11:22	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/23/19 11:22	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/23/19 11:22	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/23/19 11:22	1
Chloroethane	2.5	U	10	2.5	ug/L			04/23/19 11:22	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/23/19 11:22	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/23/19 11:22	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/23/19 11:22	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/23/19 11:22	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/23/19 11:22	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/23/19 11:22	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/23/19 11:22	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/23/19 11:22	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/23/19 11:22	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-209689/6
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/23/19 11:22	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/23/19 11:22	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/23/19 11:22	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/23/19 11:22	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/23/19 11:22	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/23/19 11:22	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/23/19 11:22	1
Iodomethane	4.1	U	15	4.1	ug/L			04/23/19 11:22	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/23/19 11:22	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/23/19 11:22	1
Styrene	0.49	U	2.0	0.49	ug/L			04/23/19 11:22	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/23/19 11:22	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/23/19 11:22	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/23/19 11:22	1
Toluene	0.24	U	1.0	0.24	ug/L			04/23/19 11:22	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/23/19 11:22	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/23/19 11:22	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/23/19 11:22	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/23/19 11:22	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/23/19 11:22	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/23/19 11:22	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/23/19 11:22	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/23/19 11:22	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/23/19 11:22	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/23/19 11:22	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/23/19 11:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/23/19 11:22*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/23/19 11:22*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*04/23/19 11:22*	*1*

Lab Sample ID: LCS 660-209689/4
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	103		ug/L		103	52 - 150
Acrylonitrile	100	108		ug/L		108	66 - 131
Benzene	10.0	10.9		ug/L		109	69 - 131
Bromoform	10.0	9.68		ug/L		97	60 - 130
Bromomethane	10.0	11.8		ug/L		118	10 - 150
2-Butanone (MEK)	100	105		ug/L		105	65 - 130
Carbon disulfide	10.0	10.5		ug/L		105	15 - 150
Carbon tetrachloride	10.0	10.9		ug/L		109	62 - 130
Chlorobenzene	10.0	10.1		ug/L		101	68 - 130
Chlorobromomethane	10.0	10.9		ug/L		109	68 - 130
Chlorodibromomethane	10.0	10.6		ug/L		106	58 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-209689/4
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	10.0	10.4		ug/L		104	52 - 150
Chloroform	10.0	11.2		ug/L		112	77 - 130
Chloromethane	10.0	8.92		ug/L		89	59 - 137
cis-1,2-Dichloroethene	10.0	11.2		ug/L		112	69 - 133
cis-1,3-Dichloropropene	10.0	11.2		ug/L		112	61 - 130
1,2-Dibromo-3-Chloropropane	10.0	10.1		ug/L		101	54 - 139
Dibromomethane	10.0	10.5		ug/L		105	64 - 130
1,2-Dichlorobenzene	10.0	9.98		ug/L		100	69 - 133
1,4-Dichlorobenzene	10.0	10.1		ug/L		101	69 - 133
Dichlorobromomethane	10.0	10.4		ug/L		104	67 - 131
1,1-Dichloroethane	10.0	11.2		ug/L		112	69 - 130
1,2-Dichloroethane	10.0	10.4		ug/L		104	65 - 130
1,1-Dichloroethene	10.0	11.6		ug/L		116	62 - 133
1,2-Dichloropropane	10.0	11.4		ug/L		114	79 - 130
Ethylbenzene	10.0	10.1		ug/L		101	77 - 130
Ethylene Dibromide	10.0	11.0		ug/L		110	63 - 130
2-Hexanone	100	102		ug/L		102	47 - 147
Iodomethane	10.0	5.65	I	ug/L		57	21 - 150
Methylene Chloride	10.0	10.6		ug/L		106	68 - 142
4-Methyl-2-pentanone (MIBK)	100	102		ug/L		102	46 - 146
Styrene	10.0	9.51		ug/L		95	66 - 130
1,1,1,2-Tetrachloroethane	10.0	10.4		ug/L		104	67 - 130
1,1,2,2-Tetrachloroethane	10.0	10.1		ug/L		101	67 - 130
Tetrachloroethene	10.0	11.1		ug/L		111	65 - 130
Toluene	10.0	10.8		ug/L		108	77 - 130
trans-1,4-Dichloro-2-butene	10.0	10.5		ug/L		105	55 - 130
trans-1,2-Dichloroethene	10.0	11.2		ug/L		112	67 - 139
trans-1,3-Dichloropropene	10.0	10.4		ug/L		104	57 - 130
1,1,1-Trichloroethane	10.0	11.1		ug/L		111	65 - 130
1,1,2-Trichloroethane	10.0	11.1		ug/L		111	68 - 130
Trichloroethene	10.0	10.8		ug/L		108	68 - 130
Trichlorofluoromethane	10.0	9.88		ug/L		99	56 - 135
1,2,3-Trichloropropane	10.0	10.4		ug/L		104	68 - 130
Vinyl acetate	20.0	18.8		ug/L		94	62 - 130
Vinyl chloride	10.0	9.23		ug/L		92	59 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 660-94031-E-2 MS
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.0	U	100	114		ug/L		114	52 - 150
Acrylonitrile	2.9	U	100	121		ug/L		121	66 - 131

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-94031-E-2 MS
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.25	U	10.0	12.1		ug/L		121	69 - 131
Bromoform	3.7	I	10.0	14.4		ug/L		107	60 - 130
Bromomethane	2.5	U	10.0	10.8		ug/L		108	10 - 150
2-Butanone (MEK)	3.2	U	100	117		ug/L		117	65 - 130
Carbon disulfide	0.35	U	10.0	11.5		ug/L		115	15 - 150
Carbon tetrachloride	0.23	U	10.0	12.5		ug/L		125	62 - 130
Chlorobenzene	0.27	U	10.0	11.0		ug/L		110	68 - 130
Chlorobromomethane	0.36	U	10.0	11.7		ug/L		117	68 - 130
Chlorodibromomethane	24	J3	10.0	37.5	J3	ug/L		134	58 - 130
Chloroethane	2.5	U	10.0	11.3		ug/L		113	52 - 150
Chloroform	28		10.0	40.0		ug/L		123	77 - 130
Chloromethane	0.76	U	10.0	9.97		ug/L		100	59 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	12.1		ug/L		121	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	12.3		ug/L		123	61 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	10.2		ug/L		102	54 - 139
Dibromomethane	0.46	U	10.0	11.3		ug/L		113	64 - 130
1,2-Dichlorobenzene	0.24	U	10.0	10.3		ug/L		103	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	10.7		ug/L		107	69 - 133
Dichlorobromomethane	29		10.0	41.3		ug/L		124	67 - 131
1,1-Dichloroethane	0.32	U	10.0	12.6		ug/L		126	69 - 130
1,2-Dichloroethane	0.31	U	10.0	11.5		ug/L		115	65 - 130
1,1-Dichloroethene	0.26	U J3	10.0	13.4	J3	ug/L		134	62 - 133
1,2-Dichloropropane	0.52	U	10.0	12.3		ug/L		123	79 - 130
Ethylbenzene	0.27	U	10.0	11.0		ug/L		110	77 - 130
Ethylene Dibromide	0.27	U	10.0	11.5		ug/L		115	63 - 130
2-Hexanone	4.4	U	100	117		ug/L		117	47 - 147
Iodomethane	4.1	U	10.0	5.78	I	ug/L		58	21 - 150
Methylene Chloride	1.4	U	10.0	10.8		ug/L		108	68 - 142
4-Methyl-2-pentanone (MIBK)	4.0	U	100	116		ug/L		116	46 - 146
Styrene	0.49	U	10.0	10.4		ug/L		104	66 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	11.3		ug/L		113	67 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	10.8		ug/L		108	67 - 130
Tetrachloroethene	0.50	U	10.0	12.2		ug/L		122	65 - 130
Toluene	0.24	U	10.0	12.1		ug/L		121	77 - 130
trans-1,4-Dichloro-2-butene	1.5	U	10.0	11.3		ug/L		113	55 - 130
trans-1,2-Dichloroethene	0.39	U	10.0	12.4		ug/L		124	67 - 139
trans-1,3-Dichloropropene	0.27	U	10.0	11.4		ug/L		114	57 - 130
1,1,1-Trichloroethane	0.30	U	10.0	12.8		ug/L		128	65 - 130
1,1,2-Trichloroethane	0.29	U	10.0	11.9		ug/L		119	68 - 130
Trichloroethene	0.61	U	10.0	11.9		ug/L		119	68 - 130
Trichlorofluoromethane	0.49	U	10.0	11.5		ug/L		115	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	11.2		ug/L		112	68 - 130
Vinyl acetate	0.95	U	20.0	21.7		ug/L		109	62 - 130
Vinyl chloride	0.26	U	10.0	10.7		ug/L		107	59 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-94031-E-2 MS
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	105		70 - 130

Lab Sample ID: 660-94019-D-1 DU
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	5.1	I	6.99	I J3	ug/L		32	30
Acrylonitrile	2.9	U	2.9	U	ug/L		NC	30
Benzene	0.25	U	0.25	U	ug/L		NC	30
Bromoform	1.1	U	1.1	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
2-Butanone (MEK)	3.2	U	3.2	U	ug/L		NC	30
Carbon disulfide	1.0	I	1.05	I	ug/L		3	30
Carbon tetrachloride	0.23	U	0.23	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chlorobromomethane	0.36	U	0.36	U	ug/L		NC	30
Chlorodibromomethane	0.31	U	0.31	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
Chloromethane	0.76	U	0.76	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.39	U	0.39	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Dibromomethane	0.46	U	0.46	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
Dichlorobromomethane	0.23	U	0.23	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichloroethane	0.31	U	0.31	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	16		16.8		ug/L		5	30
Ethylene Dibromide	0.27	U	0.27	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
Iodomethane	4.1	U	4.1	U	ug/L		NC	30
Methylene Chloride	1.4	U	1.4	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	U	ug/L		NC	30
Styrene	0.49	U	0.49	U	ug/L		NC	30
1,1,1,2-Tetrachloroethane	0.36	U	0.36	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.44	U	0.44	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	1.5	U	1.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.27	U	0.27	U	ug/L		NC	30
1,1,1-Trichloroethane	0.30	U	0.30	U	ug/L		NC	30
1,1,2-Trichloroethane	0.29	U	0.29	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-94019-D-1 DU
Matrix: Water
Analysis Batch: 209689

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Trichloroethene	0.61	U		0.61	U	ug/L				NC	30
Trichlorofluoromethane	0.49	U		0.49	U	ug/L				NC	30
1,2,3-Trichloropropane	0.44	U		0.44	U	ug/L				NC	30
Vinyl acetate	0.95	U		0.95	U	ug/L				NC	30
Vinyl chloride	0.26	U		0.26	U	ug/L				NC	30
Xylenes, Total	110			109		ug/L				3	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*103*		*70 - 130*

Lab Sample ID: MB 660-209745/8
Matrix: Water
Analysis Batch: 209745

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			04/24/19 12:27	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/19 12:27	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/19 12:27	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/19 12:27	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/19 12:27	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/19 12:27	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/19 12:27	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/19 12:27	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/19 12:27	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/19 12:27	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/19 12:27	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/19 12:27	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/19 12:27	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/19 12:27	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/19 12:27	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/19 12:27	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/19 12:27	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/19 12:27	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/19 12:27	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/19 12:27	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/19 12:27	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/19 12:27	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/19 12:27	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/19 12:27	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/19 12:27	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/19 12:27	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/19 12:27	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/19 12:27	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/19 12:27	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/19 12:27	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/19 12:27	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-209745/8
Matrix: Water
Analysis Batch: 209745

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Styrene	0.49	U	2.0	0.49	ug/L			04/24/19 12:27	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/19 12:27	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/19 12:27	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/19 12:27	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/19 12:27	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/19 12:27	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/19 12:27	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/19 12:27	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/19 12:27	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/19 12:27	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/19 12:27	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/19 12:27	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/19 12:27	1
Vinyl acetate	0.95	U	10	0.95	ug/L			04/24/19 12:27	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/19 12:27	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/19 12:27	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/24/19 12:27*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*04/24/19 12:27*	*1*
Toluene-d8 (Surr)	*106*		*70 - 130*		*04/24/19 12:27*	*1*

Lab Sample ID: LCS 660-209745/5
Matrix: Water
Analysis Batch: 209745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	102		ug/L		102	52 - 150
Acrylonitrile	100	104		ug/L		104	66 - 131
Benzene	10.0	10.1		ug/L		101	69 - 131
Bromoform	10.0	8.74		ug/L		87	60 - 130
Bromomethane	10.0	9.82	I	ug/L		98	10 - 150
2-Butanone (MEK)	100	99.8		ug/L		100	65 - 130
Carbon disulfide	10.0	9.36		ug/L		94	15 - 150
Carbon tetrachloride	10.0	10.0		ug/L		100	62 - 130
Chlorobenzene	10.0	9.29		ug/L		93	68 - 130
Chlorobromomethane	10.0	10.1		ug/L		101	68 - 130
Chlorodibromomethane	10.0	10.1		ug/L		101	58 - 130
Chloroethane	10.0	10.0		ug/L		100	52 - 150
Chloroform	10.0	10.5		ug/L		105	77 - 130
Chloromethane	10.0	7.52		ug/L		75	59 - 137
cis-1,2-Dichloroethene	10.0	10.3		ug/L		103	69 - 133
cis-1,3-Dichloropropene	10.0	10.5		ug/L		105	61 - 130
1,2-Dibromo-3-Chloropropane	10.0	9.27	I	ug/L		93	54 - 139
Dibromomethane	10.0	10.1		ug/L		101	64 - 130
1,2-Dichlorobenzene	10.0	9.19		ug/L		92	69 - 133
1,4-Dichlorobenzene	10.0	9.38		ug/L		94	69 - 133
Dichlorobromomethane	10.0	10.6		ug/L		106	67 - 131

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-209745/5
Matrix: Water
Analysis Batch: 209745

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1-Dichloroethane	10.0	10.5		ug/L		105	69 - 130
1,2-Dichloroethane	10.0	10.2		ug/L		102	65 - 130
1,1-Dichloroethene	10.0	10.7		ug/L		107	62 - 133
1,2-Dichloropropane	10.0	10.8		ug/L		108	79 - 130
Ethylbenzene	10.0	9.27		ug/L		93	77 - 130
Ethylene Dibromide	10.0	10.1		ug/L		101	63 - 130
2-Hexanone	100	102		ug/L		102	47 - 147
Iodomethane	10.0	13.5	I	ug/L		135	21 - 150
Methylene Chloride	10.0	9.84	I	ug/L		98	68 - 142
4-Methyl-2-pentanone (MIBK)	100	100		ug/L		100	46 - 146
Styrene	10.0	8.88		ug/L		89	66 - 130
1,1,1,2-Tetrachloroethane	10.0	9.55		ug/L		95	67 - 130
1,1,2,2-Tetrachloroethane	10.0	9.32		ug/L		93	67 - 130
Tetrachloroethene	10.0	9.91		ug/L		99	65 - 130
Toluene	10.0	10.3		ug/L		103	77 - 130
trans-1,4-Dichloro-2-butene	10.0	8.80	I	ug/L		88	55 - 130
trans-1,2-Dichloroethene	10.0	10.3		ug/L		103	67 - 139
trans-1,3-Dichloropropene	10.0	9.85		ug/L		99	57 - 130
1,1,1-Trichloroethane	10.0	10.4		ug/L		104	65 - 130
1,1,2-Trichloroethane	10.0	10.5		ug/L		105	68 - 130
Trichloroethene	10.0	9.93		ug/L		99	68 - 130
Trichlorofluoromethane	10.0	9.95		ug/L		100	56 - 135
1,2,3-Trichloropropane	10.0	9.30		ug/L		93	68 - 130
Vinyl acetate	20.0	20.2		ug/L		101	62 - 130
Vinyl chloride	10.0	8.78		ug/L		88	59 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 660-209745/6
Matrix: Water
Analysis Batch: 209745

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	100	103		ug/L		103	52 - 150	1	30
Acrylonitrile	100	107		ug/L		107	66 - 131	3	30
Benzene	10.0	10.3		ug/L		103	69 - 131	2	30
Bromoform	10.0	9.03		ug/L		90	60 - 130	3	30
Bromomethane	10.0	9.92	I	ug/L		99	10 - 150	1	30
2-Butanone (MEK)	100	108		ug/L		108	65 - 130	8	30
Carbon disulfide	10.0	9.23		ug/L		92	15 - 150	1	30
Carbon tetrachloride	10.0	10.3		ug/L		103	62 - 130	3	30
Chlorobenzene	10.0	9.26		ug/L		93	68 - 130	0	30
Chlorobromomethane	10.0	10.6		ug/L		106	68 - 130	4	30
Chlorodibromomethane	10.0	10.4		ug/L		104	58 - 130	2	30
Chloroethane	10.0	10.3		ug/L		103	52 - 150	2	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 660-209745/6
Matrix: Water
Analysis Batch: 209745

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroform	10.0	10.7		ug/L		107	77 - 130	2	30
Chloromethane	10.0	7.19		ug/L		72	59 - 137	5	30
cis-1,2-Dichloroethene	10.0	10.6		ug/L		106	69 - 133	3	30
cis-1,3-Dichloropropene	10.0	11.1		ug/L		111	61 - 130	6	30
1,2-Dibromo-3-Chloropropane	10.0	9.23	I	ug/L		92	54 - 139	0	30
Dibromomethane	10.0	10.1		ug/L		101	64 - 130	1	30
1,2-Dichlorobenzene	10.0	9.35		ug/L		93	69 - 133	2	30
1,4-Dichlorobenzene	10.0	9.34		ug/L		93	69 - 133	0	30
Dichlorobromomethane	10.0	10.3		ug/L		103	67 - 131	3	30
1,1-Dichloroethane	10.0	10.8		ug/L		108	69 - 130	3	30
1,2-Dichloroethane	10.0	10.3		ug/L		103	65 - 130	1	30
1,1-Dichloroethene	10.0	10.7		ug/L		107	62 - 133	1	30
1,2-Dichloropropane	10.0	11.0		ug/L		110	79 - 130	2	30
Ethylbenzene	10.0	9.03		ug/L		90	77 - 130	3	30
Ethylene Dibromide	10.0	10.5		ug/L		105	63 - 130	4	30
2-Hexanone	100	105		ug/L		105	47 - 147	3	30
Iodomethane	10.0	13.3	I	ug/L		133	21 - 150	1	30
Methylene Chloride	10.0	9.86	I	ug/L		99	68 - 142	0	30
4-Methyl-2-pentanone (MIBK)	100	108		ug/L		108	46 - 146	7	30
Styrene	10.0	8.66		ug/L		87	66 - 130	3	30
1,1,1,2-Tetrachloroethane	10.0	9.26		ug/L		93	67 - 130	3	30
1,1,2,2-Tetrachloroethane	10.0	9.55		ug/L		95	67 - 130	2	30
Tetrachloroethene	10.0	10.2		ug/L		102	65 - 130	3	30
Toluene	10.0	10.5		ug/L		105	77 - 130	2	30
trans-1,4-Dichloro-2-butene	10.0	10.5		ug/L		105	55 - 130	18	30
trans-1,2-Dichloroethene	10.0	10.4		ug/L		104	67 - 139	1	30
trans-1,3-Dichloropropene	10.0	10.4		ug/L		104	57 - 130	5	30
1,1,1-Trichloroethane	10.0	10.6		ug/L		106	65 - 130	2	30
1,1,2-Trichloroethane	10.0	11.0		ug/L		110	68 - 130	5	30
Trichloroethene	10.0	10.2		ug/L		102	68 - 130	3	30
Trichlorofluoromethane	10.0	10.0		ug/L		100	56 - 135	1	30
1,2,3-Trichloropropane	10.0	9.20		ug/L		92	68 - 130	1	30
Vinyl acetate	20.0	20.7		ug/L		103	62 - 130	3	30
Vinyl chloride	10.0	8.59		ug/L		86	59 - 136	2	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*105*		*70 - 130*
Toluene-d8 (Surr)	*108*		*70 - 130*

Lab Sample ID: 660-93977-2 MS
Matrix: Water
Analysis Batch: 209745

Client Sample ID: AC79883 2MW 19D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.0	U	100	104		ug/L		104	52 - 150
Acrylonitrile	2.9	U	100	107		ug/L		107	66 - 131
Benzene	0.25	U	10.0	11.2		ug/L		112	69 - 131

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-93977-2 MS
Matrix: Water
Analysis Batch: 209745

Client Sample ID: AC79883 2MW 19D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromoform	1.1	U	10.0	9.09		ug/L		91	60 - 130
Bromomethane	2.5	U	10.0	9.69	I	ug/L		97	10 - 150
2-Butanone (MEK)	3.2	U	100	109		ug/L		109	65 - 130
Carbon disulfide	0.35	U	10.0	10.5		ug/L		105	15 - 150
Carbon tetrachloride	0.23	U	10.0	11.6		ug/L		116	62 - 130
Chlorobenzene	0.27	U	10.0	9.75		ug/L		97	68 - 130
Chlorobromomethane	0.36	U	10.0	10.7		ug/L		107	68 - 130
Chlorodibromomethane	0.31	U	10.0	10.7		ug/L		107	58 - 130
Chloroethane	2.5	U	10.0	9.98	I	ug/L		100	52 - 150
Chloroform	0.29	U	10.0	11.6		ug/L		116	77 - 130
Chloromethane	0.76	U	10.0	7.19		ug/L		72	59 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	11.6		ug/L		116	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	11.1		ug/L		111	61 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	8.81	I	ug/L		88	54 - 139
Dibromomethane	0.46	U	10.0	11.0		ug/L		110	64 - 130
1,2-Dichlorobenzene	0.24	U	10.0	9.41		ug/L		94	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	9.38		ug/L		94	69 - 133
Dichlorobromomethane	0.23	U	10.0	10.8		ug/L		108	67 - 131
1,1-Dichloroethane	0.32	U	10.0	11.7		ug/L		117	69 - 130
1,2-Dichloroethane	0.31	U	10.0	10.8		ug/L		108	65 - 130
1,1-Dichloroethene	0.26	U	10.0	12.4		ug/L		124	62 - 133
1,2-Dichloropropane	0.52	U	10.0	12.0		ug/L		120	79 - 130
Ethylbenzene	0.27	U	10.0	9.85		ug/L		98	77 - 130
Ethylene Dibromide	0.27	U	10.0	10.5		ug/L		105	63 - 130
2-Hexanone	4.4	U	100	107		ug/L		107	47 - 147
Iodomethane	4.1	U	10.0	11.2	I	ug/L		112	21 - 150
Methylene Chloride	1.4	U	10.0	10.2		ug/L		102	68 - 142
4-Methyl-2-pentanone (MIBK)	4.0	U	100	107		ug/L		107	46 - 146
Styrene	0.49	U	10.0	9.09		ug/L		91	66 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	9.53		ug/L		95	67 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	9.49		ug/L		95	67 - 130
Tetrachloroethene	0.50	U	10.0	10.8		ug/L		108	65 - 130
Toluene	0.24	U	10.0	10.9		ug/L		109	77 - 130
trans-1,4-Dichloro-2-butene	1.5	U	10.0	10.2		ug/L		102	55 - 130
trans-1,2-Dichloroethene	0.39	U	10.0	11.5		ug/L		115	67 - 139
trans-1,3-Dichloropropene	0.27	U	10.0	10.3		ug/L		103	57 - 130
1,1,1-Trichloroethane	0.30	U	10.0	11.7		ug/L		117	65 - 130
1,1,2-Trichloroethane	0.29	U	10.0	11.3		ug/L		113	68 - 130
Trichloroethene	0.61	U	10.0	10.9		ug/L		109	68 - 130
Trichlorofluoromethane	0.49	U	10.0	10.1		ug/L		101	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	9.34		ug/L		93	68 - 130
Vinyl acetate	0.95	U	20.0	19.7		ug/L		98	62 - 130
Vinyl chloride	0.26	U	10.0	8.40		ug/L		84	59 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-93977-1 DU
Matrix: Water
Analysis Batch: 209745

Client Sample ID: AC79882 2MW 18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	3.0	U	3.0	U	ug/L		NC	30
Acrylonitrile	2.9	U	2.9	U	ug/L		NC	30
Benzene	0.25	U	0.25	U	ug/L		NC	30
Bromoform	1.1	U	1.1	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
2-Butanone (MEK)	3.2	U	3.2	U	ug/L		NC	30
Carbon disulfide	0.35	U	0.35	U	ug/L		NC	30
Carbon tetrachloride	0.23	U	0.23	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chlorobromomethane	0.36	U	0.36	U	ug/L		NC	30
Chlorodibromomethane	0.31	U	0.31	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
Chloromethane	0.76	U	0.76	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.39	U	0.39	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Dibromomethane	0.46	U	0.46	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
Dichlorobromomethane	0.23	U	0.23	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichloroethane	0.31	U	0.31	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Ethylene Dibromide	0.27	U	0.27	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
Iodomethane	4.1	U	4.1	U	ug/L		NC	30
Methylene Chloride	1.4	U	1.4	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	U	ug/L		NC	30
Styrene	0.49	U	0.49	U	ug/L		NC	30
1,1,1,2-Tetrachloroethane	0.36	U	0.36	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.44	U	0.44	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	1.5	U	1.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.27	U	0.27	U	ug/L		NC	30
1,1,1-Trichloroethane	0.30	U	0.30	U	ug/L		NC	30
1,1,2-Trichloroethane	0.29	U	0.29	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Trichlorofluoromethane	0.49	U	0.49	U	ug/L		NC	30
1,2,3-Trichloropropane	0.44	U	0.44	U	ug/L		NC	30
Vinyl acetate	0.95	U	0.95	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-93977-1 DU
Matrix: Water
Analysis Batch: 209745

Client Sample ID: AC79882 2MW 18D
Prep Type: Total/NA

Surrogate	DU %Recovery	DU Qualifier	Limits
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*107*		*70 - 130*

Lab Sample ID: MB 660-210006/6
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/01/19 09:47	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/01/19 09:47	1
Benzene	0.25	U	1.0	0.25	ug/L			05/01/19 09:47	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/01/19 09:47	1
Bromomethane	2.5	U	10	2.5	ug/L			05/01/19 09:47	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/01/19 09:47	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/01/19 09:47	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/01/19 09:47	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/01/19 09:47	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/01/19 09:47	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/01/19 09:47	1
Chloroethane	2.5	U	10	2.5	ug/L			05/01/19 09:47	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/01/19 09:47	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/01/19 09:47	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/01/19 09:47	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/01/19 09:47	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/01/19 09:47	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/01/19 09:47	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/01/19 09:47	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/01/19 09:47	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/01/19 09:47	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/01/19 09:47	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/01/19 09:47	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/01/19 09:47	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/01/19 09:47	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/01/19 09:47	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/01/19 09:47	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/01/19 09:47	1
Iodomethane	4.1	U	15	4.1	ug/L			05/01/19 09:47	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/01/19 09:47	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/01/19 09:47	1
Styrene	0.49	U	2.0	0.49	ug/L			05/01/19 09:47	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/01/19 09:47	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/01/19 09:47	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/01/19 09:47	1
Toluene	0.24	U	1.0	0.24	ug/L			05/01/19 09:47	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/01/19 09:47	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/01/19 09:47	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/01/19 09:47	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-210006/6
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/01/19 09:47	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/01/19 09:47	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/01/19 09:47	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/01/19 09:47	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/01/19 09:47	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/01/19 09:47	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/01/19 09:47	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/01/19 09:47	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*05/01/19 09:47*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*05/01/19 09:47*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/01/19 09:47*	*1*

Lab Sample ID: LCS 660-210006/4
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	95.8		ug/L		96	52 - 150
Acrylonitrile	100	103		ug/L		103	66 - 131
Benzene	10.0	9.15		ug/L		91	69 - 131
Bromoform	10.0	9.97		ug/L		100	60 - 130
Bromomethane	10.0	9.09	I	ug/L		91	10 - 150
2-Butanone (MEK)	100	98.9		ug/L		99	65 - 130
Carbon disulfide	10.0	7.25		ug/L		72	15 - 150
Carbon tetrachloride	10.0	7.16		ug/L		72	62 - 130
Chlorobenzene	10.0	9.13		ug/L		91	68 - 130
Chlorobromomethane	10.0	9.95		ug/L		100	68 - 130
Chlorodibromomethane	10.0	10.2		ug/L		102	58 - 130
Chloroethane	10.0	8.24	I	ug/L		82	52 - 150
Chloroform	10.0	9.41		ug/L		94	77 - 130
Chloromethane	10.0	8.51		ug/L		85	59 - 137
cis-1,2-Dichloroethene	10.0	9.61		ug/L		96	69 - 133
cis-1,3-Dichloropropene	10.0	9.64		ug/L		96	61 - 130
1,2-Dibromo-3-Chloropropane	10.0	10.1		ug/L		101	54 - 139
Dibromomethane	10.0	9.61		ug/L		96	64 - 130
1,2-Dichlorobenzene	10.0	9.92		ug/L		99	69 - 133
1,4-Dichlorobenzene	10.0	9.57		ug/L		96	69 - 133
Dichlorobromomethane	10.0	9.61		ug/L		96	67 - 131
1,1-Dichloroethane	10.0	9.21		ug/L		92	69 - 130
1,2-Dichloroethane	10.0	9.85		ug/L		99	65 - 130
1,1-Dichloroethene	10.0	7.60		ug/L		76	62 - 133
1,2-Dichloropropane	10.0	9.80		ug/L		98	79 - 130
Ethylbenzene	10.0	8.52		ug/L		85	77 - 130
Ethylene Dibromide	10.0	10.0		ug/L		100	63 - 130
2-Hexanone	100	97.6		ug/L		98	47 - 147
Iodomethane	10.0	6.58	I	ug/L		66	21 - 150

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-210006/4
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Methylene Chloride	10.0	9.84	I	ug/L		98	68 - 142
4-Methyl-2-pentanone (MIBK)	100	99.6		ug/L		100	46 - 146
Styrene	10.0	8.76		ug/L		88	66 - 130
1,1,1,2-Tetrachloroethane	10.0	9.75		ug/L		97	67 - 130
1,1,2,2-Tetrachloroethane	10.0	9.77		ug/L		98	67 - 130
Tetrachloroethene	10.0	7.45		ug/L		74	65 - 130
Toluene	10.0	8.79		ug/L		88	77 - 130
trans-1,4-Dichloro-2-butene	10.0	9.66	I	ug/L		97	55 - 130
trans-1,2-Dichloroethene	10.0	8.83		ug/L		88	67 - 139
trans-1,3-Dichloropropene	10.0	10.1		ug/L		101	57 - 130
1,1,1-Trichloroethane	10.0	7.86		ug/L		79	65 - 130
1,1,2-Trichloroethane	10.0	10.3		ug/L		103	68 - 130
Trichloroethene	10.0	8.06		ug/L		81	68 - 130
Trichlorofluoromethane	10.0	6.22		ug/L		62	56 - 135
1,2,3-Trichloropropane	10.0	10.5		ug/L		105	68 - 130
Vinyl acetate	20.0	18.4		ug/L		92	62 - 130
Vinyl chloride	10.0	7.72		ug/L		77	59 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 680-167863-B-26 MS
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	300	U	10000	8640		ug/L		86	52 - 150
Acrylonitrile	290	U	10000	10000		ug/L		100	66 - 131
Benzene	25	U	1000	924		ug/L		92	69 - 131
Bromoform	110	U	1000	981		ug/L		98	60 - 130
Bromomethane	250	U	1000	764	I	ug/L		76	10 - 150
2-Butanone (MEK)	320	U	10000	9310		ug/L		93	65 - 130
Carbon disulfide	35	U	1000	775		ug/L		78	15 - 150
Carbon tetrachloride	23	U	1000	778		ug/L		78	62 - 130
Chlorobenzene	27	U	1000	954		ug/L		95	68 - 130
Chlorobromomethane	36	U	1000	993		ug/L		99	68 - 130
Chlorodibromomethane	31	U	1000	1030		ug/L		103	58 - 130
Chloroethane	250	U	1000	855	I	ug/L		85	52 - 150
Chloroform	29	U	1000	958		ug/L		96	77 - 130
Chloromethane	76	U	1000	902		ug/L		90	59 - 137
cis-1,2-Dichloroethene	510		1000	1530		ug/L		102	69 - 133
cis-1,3-Dichloropropene	39	U	1000	998		ug/L		100	61 - 130
1,2-Dibromo-3-Chloropropane	250	U	1000	905	I	ug/L		91	54 - 139
Dibromomethane	46	U	1000	982		ug/L		98	64 - 130
1,2-Dichlorobenzene	24	U	1000	978		ug/L		98	69 - 133
1,4-Dichlorobenzene	22	U	1000	948		ug/L		95	69 - 133

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-167863-B-26 MS
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Dichlorobromomethane	23	U	1000	987		ug/L		99	67 - 131
1,1-Dichloroethane	32	U	1000	952		ug/L		95	69 - 130
1,2-Dichloroethane	31	U	1000	1000		ug/L		100	65 - 130
1,1-Dichloroethene	26	U	1000	829		ug/L		83	62 - 133
1,2-Dichloropropane	52	U	1000	990		ug/L		99	79 - 130
Ethylbenzene	27	U	1000	877		ug/L		88	77 - 130
Ethylene Dibromide	27	U	1000	991		ug/L		99	63 - 130
2-Hexanone	440	U	10000	9120		ug/L		91	47 - 147
Iodomethane	410	U	1000	579	I	ug/L		58	21 - 150
Methylene Chloride	140	U	1000	971	I	ug/L		97	68 - 142
4-Methyl-2-pentanone (MIBK)	400	U	10000	9410		ug/L		94	46 - 146
Styrene	49	U	1000	904		ug/L		90	66 - 130
1,1,1,2-Tetrachloroethane	36	U	1000	975		ug/L		98	67 - 130
1,1,2,2-Tetrachloroethane	44	U	1000	1010		ug/L		101	67 - 130
Tetrachloroethene	50	U	1000	814		ug/L		81	65 - 130
Toluene	24	U	1000	900		ug/L		90	77 - 130
trans-1,4-Dichloro-2-butene	150	U	1000	917	I	ug/L		92	55 - 130
trans-1,2-Dichloroethene	39	U	1000	912		ug/L		91	67 - 139
trans-1,3-Dichloropropene	27	U	1000	989		ug/L		99	57 - 130
1,1,1-Trichloroethane	30	U	1000	826		ug/L		83	65 - 130
1,1,2-Trichloroethane	29	U	1000	1040		ug/L		104	68 - 130
Trichloroethene	4900	J3	1000	6360	J3	ug/L		151	68 - 130
Trichlorofluoromethane	49	U	1000	691		ug/L		69	56 - 135
1,2,3-Trichloropropane	44	U	1000	981		ug/L		98	68 - 130
Vinyl acetate	95	U	2000	1940		ug/L		97	62 - 130
Vinyl chloride	66	I	1000	875		ug/L		81	59 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 680-167863-C-26 MSD
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acetone	300	U	10000	9160		ug/L		92	52 - 150	6	30
Acrylonitrile	290	U	10000	10200		ug/L		102	66 - 131	1	30
Benzene	25	U	1000	901		ug/L		90	69 - 131	3	30
Bromoform	110	U	1000	997		ug/L		100	60 - 130	2	30
Bromomethane	250	U	1000	913	I	ug/L		91	10 - 150	18	30
2-Butanone (MEK)	320	U	10000	9770		ug/L		98	65 - 130	5	30
Carbon disulfide	35	U	1000	733		ug/L		73	15 - 150	6	30
Carbon tetrachloride	23	U	1000	785		ug/L		79	62 - 130	1	30
Chlorobenzene	27	U	1000	923		ug/L		92	68 - 130	3	30
Chlorobromomethane	36	U	1000	987		ug/L		99	68 - 130	1	30
Chlorodibromomethane	31	U	1000	999		ug/L		100	58 - 130	3	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-167863-C-26 MSD
Matrix: Water
Analysis Batch: 210006

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloroethane	250	U	1000	840	I	ug/L		84	52 - 150	2	30
Chloroform	29	U	1000	948		ug/L		95	77 - 130	1	30
Chloromethane	76	U	1000	876		ug/L		88	59 - 137	3	30
cis-1,2-Dichloroethene	510		1000	1490		ug/L		98	69 - 133	3	30
cis-1,3-Dichloropropene	39	U	1000	958		ug/L		96	61 - 130	4	30
1,2-Dibromo-3-Chloropropane	250	U	1000	949	I	ug/L		95	54 - 139	5	30
Dibromomethane	46	U	1000	946		ug/L		95	64 - 130	4	30
1,2-Dichlorobenzene	24	U	1000	984		ug/L		98	69 - 133	1	30
1,4-Dichlorobenzene	22	U	1000	948		ug/L		95	69 - 133	0	30
Dichlorobromomethane	23	U	1000	956		ug/L		96	67 - 131	3	30
1,1-Dichloroethane	32	U	1000	927		ug/L		93	69 - 130	3	30
1,2-Dichloroethane	31	U	1000	987		ug/L		99	65 - 130	2	30
1,1-Dichloroethene	26	U	1000	821		ug/L		82	62 - 133	1	30
1,2-Dichloropropane	52	U	1000	1010		ug/L		101	79 - 130	2	30
Ethylbenzene	27	U	1000	876		ug/L		88	77 - 130	0	30
Ethylene Dibromide	27	U	1000	958		ug/L		96	63 - 130	3	30
2-Hexanone	440	U	10000	9550		ug/L		96	47 - 147	5	30
Iodomethane	410	U	1000	604	I	ug/L		60	21 - 150	4	30
Methylene Chloride	140	U	1000	945	I	ug/L		94	68 - 142	3	30
4-Methyl-2-pentanone (MIBK)	400	U	10000	9910		ug/L		99	46 - 146	5	30
Styrene	49	U	1000	872		ug/L		87	66 - 130	4	30
1,1,1,2-Tetrachloroethane	36	U	1000	955		ug/L		96	67 - 130	2	30
1,1,2,2-Tetrachloroethane	44	U	1000	998		ug/L		100	67 - 130	1	30
Tetrachloroethene	50	U	1000	799		ug/L		80	65 - 130	2	30
Toluene	24	U	1000	894		ug/L		89	77 - 130	1	30
trans-1,4-Dichloro-2-butene	150	U	1000	943	I	ug/L		94	55 - 130	3	30
trans-1,2-Dichloroethene	39	U	1000	892		ug/L		89	67 - 139	2	30
trans-1,3-Dichloropropene	27	U	1000	976		ug/L		98	57 - 130	1	30
1,1,1-Trichloroethane	30	U	1000	822		ug/L		82	65 - 130	1	30
1,1,2-Trichloroethane	29	U	1000	1040		ug/L		104	68 - 130	0	30
Trichloroethene	4900	J3	1000	6160	J3	ug/L		131	68 - 130	3	30
Trichlorofluoromethane	49	U	1000	754		ug/L		75	56 - 135	9	30
1,2,3-Trichloropropane	44	U	1000	1090		ug/L		109	68 - 130	10	30
Vinyl acetate	95	U	2000	1910		ug/L		95	62 - 130	2	30
Vinyl chloride	66	I	1000	873		ug/L		81	59 - 136	0	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 660-210190/6
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/06/19 12:53	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/19 12:53	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-210190/6
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.25	U	1.0	0.25	ug/L			05/06/19 12:53	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/19 12:53	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/19 12:53	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/19 12:53	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/19 12:53	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/19 12:53	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/19 12:53	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/19 12:53	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/19 12:53	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/19 12:53	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/19 12:53	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/19 12:53	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/19 12:53	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/19 12:53	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/19 12:53	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/19 12:53	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/19 12:53	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/19 12:53	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/19 12:53	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/19 12:53	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/19 12:53	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/19 12:53	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/19 12:53	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/19 12:53	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/19 12:53	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/19 12:53	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/19 12:53	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/19 12:53	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/19 12:53	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/19 12:53	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/19 12:53	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/19 12:53	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/19 12:53	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/19 12:53	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/19 12:53	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/19 12:53	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/19 12:53	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/19 12:53	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/19 12:53	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/19 12:53	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/19 12:53	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/19 12:53	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/06/19 12:53	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/19 12:53	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/19 12:53	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/06/19 12:53*	*1*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-210190/6
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Method Blank
Prep Type: Total/NA

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	104		70 - 130		05/06/19 12:53	1
Toluene-d8 (Surr)	101		70 - 130		05/06/19 12:53	1

Lab Sample ID: LCS 660-210190/4
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	78.2		ug/L		78	52 - 150
Acrylonitrile	100	81.9		ug/L		82	66 - 131
Benzene	10.0	9.54		ug/L		95	69 - 131
Bromoform	10.0	8.41		ug/L		84	60 - 130
Bromomethane	10.0	4.98	I	ug/L		50	10 - 150
2-Butanone (MEK)	100	82.6		ug/L		83	65 - 130
Carbon disulfide	10.0	8.73		ug/L		87	15 - 150
Carbon tetrachloride	10.0	9.69		ug/L		97	62 - 130
Chlorobenzene	10.0	9.78		ug/L		98	68 - 130
Chlorobromomethane	10.0	8.95		ug/L		89	68 - 130
Chlorodibromomethane	10.0	8.83		ug/L		88	58 - 130
Chloroethane	10.0	9.44	I	ug/L		94	52 - 150
Chloroform	10.0	9.90		ug/L		99	77 - 130
Chloromethane	10.0	8.53		ug/L		85	59 - 137
cis-1,2-Dichloroethene	10.0	9.48		ug/L		95	69 - 133
cis-1,3-Dichloropropene	10.0	9.39		ug/L		94	61 - 130
1,2-Dibromo-3-Chloropropane	10.0	8.67	I	ug/L		87	54 - 139
Dibromomethane	10.0	8.44		ug/L		84	64 - 130
1,2-Dichlorobenzene	10.0	10.2		ug/L		102	69 - 133
1,4-Dichlorobenzene	10.0	9.79		ug/L		98	69 - 133
Dichlorobromomethane	10.0	9.30		ug/L		93	67 - 131
1,1-Dichloroethane	10.0	9.74		ug/L		97	69 - 130
1,2-Dichloroethane	10.0	8.94		ug/L		89	65 - 130
1,1-Dichloroethene	10.0	9.73		ug/L		97	62 - 133
1,2-Dichloropropane	10.0	9.34		ug/L		93	79 - 130
Ethylbenzene	10.0	9.67		ug/L		97	77 - 130
Ethylene Dibromide	10.0	8.56		ug/L		86	63 - 130
2-Hexanone	100	84.9		ug/L		85	47 - 147
Iodomethane	10.0	8.08	I	ug/L		81	21 - 150
Methylene Chloride	10.0	9.42	I	ug/L		94	68 - 142
4-Methyl-2-pentanone (MIBK)	100	85.2		ug/L		85	46 - 146
Styrene	10.0	9.39		ug/L		94	66 - 130
1,1,1,2-Tetrachloroethane	10.0	9.83		ug/L		98	67 - 130
1,1,2,2-Tetrachloroethane	10.0	9.21		ug/L		92	67 - 130
Tetrachloroethene	10.0	9.84		ug/L		98	65 - 130
Toluene	10.0	9.31		ug/L		93	77 - 130
trans-1,4-Dichloro-2-butene	10.0	8.69	I	ug/L		87	55 - 130
trans-1,2-Dichloroethene	10.0	10.1		ug/L		101	67 - 139
trans-1,3-Dichloropropene	10.0	8.74		ug/L		87	57 - 130
1,1,1-Trichloroethane	10.0	9.23		ug/L		92	65 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-210190/4
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,1,2-Trichloroethane	10.0	9.45		ug/L		95	68 - 130
Trichloroethene	10.0	9.55		ug/L		95	68 - 130
Trichlorofluoromethane	10.0	9.08		ug/L		91	56 - 135
1,2,3-Trichloropropane	10.0	8.50		ug/L		85	68 - 130
Vinyl acetate	20.0	16.2		ug/L		81	62 - 130
Vinyl chloride	10.0	8.48		ug/L		85	59 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*97*		*70 - 130*

Lab Sample ID: 660-94148-A-2 MS
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.0	U	100	89.1		ug/L		89	52 - 150
Acrylonitrile	2.9	U	100	80.9		ug/L		81	66 - 131
Benzene	0.25	U	10.0	9.64		ug/L		96	69 - 131
Bromoform	1.1	U	10.0	8.03		ug/L		80	60 - 130
Bromomethane	2.5	U	10.0	4.99	I	ug/L		50	10 - 150
2-Butanone (MEK)	3.2	U	100	96.8		ug/L		97	65 - 130
Carbon disulfide	0.35	U	10.0	8.29		ug/L		83	15 - 150
Carbon tetrachloride	0.23	U	10.0	10.2		ug/L		102	62 - 130
Chlorobenzene	0.27	U	10.0	9.48		ug/L		95	68 - 130
Chlorobromomethane	0.36	U	10.0	8.77		ug/L		88	68 - 130
Chlorodibromomethane	0.31	U	10.0	8.43		ug/L		84	58 - 130
Chloroethane	2.5	U	10.0	9.88	I	ug/L		99	52 - 150
Chloroform	0.29	U	10.0	9.58		ug/L		96	77 - 130
Chloromethane	0.76	U	10.0	8.38		ug/L		84	59 - 137
cis-1,2-Dichloroethene	0.35	I	10.0	9.88		ug/L		95	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	9.11		ug/L		91	61 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	7.97	I	ug/L		80	54 - 139
Dibromomethane	0.46	U	10.0	8.58		ug/L		86	64 - 130
1,2-Dichlorobenzene	0.24	U	10.0	9.53		ug/L		95	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	9.51		ug/L		95	69 - 133
Dichlorobromomethane	0.23	U	10.0	8.91		ug/L		89	67 - 131
1,1-Dichloroethane	0.32	U	10.0	9.75		ug/L		97	69 - 130
1,2-Dichloroethane	0.31	U	10.0	8.92		ug/L		89	65 - 130
1,1-Dichloroethene	0.26	U	10.0	9.84		ug/L		98	62 - 133
1,2-Dichloropropane	0.52	U	10.0	8.98		ug/L		90	79 - 130
Ethylbenzene	0.27	U	10.0	9.64		ug/L		96	77 - 130
Ethylene Dibromide	0.27	U	10.0	8.47		ug/L		85	63 - 130
2-Hexanone	4.4	U	100	98.4		ug/L		98	47 - 147
Iodomethane	4.1	U	10.0	7.20	I	ug/L		72	21 - 150
Methylene Chloride	1.4	U	10.0	8.42	I	ug/L		84	68 - 142
4-Methyl-2-pentanone (MIBK)	4.0	U	100	101		ug/L		101	46 - 146

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-94148-A-2 MS
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	0.49	U	10.0	9.25		ug/L		93	66 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	9.23		ug/L		92	67 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	9.20		ug/L		92	67 - 130
Tetrachloroethene	0.50	U	10.0	9.65		ug/L		97	65 - 130
Toluene	0.24	U	10.0	9.49		ug/L		95	77 - 130
trans-1,4-Dichloro-2-butene	1.5	U	10.0	8.05	I	ug/L		81	55 - 130
trans-1,2-Dichloroethene	0.39	U	10.0	10.2		ug/L		102	67 - 139
trans-1,3-Dichloropropene	0.27	U	10.0	7.82		ug/L		78	57 - 130
1,1,1-Trichloroethane	0.30	U	10.0	9.59		ug/L		96	65 - 130
1,1,2-Trichloroethane	0.29	U	10.0	9.42		ug/L		94	68 - 130
Trichloroethene	0.61	U	10.0	9.60		ug/L		96	68 - 130
Trichlorofluoromethane	0.49	U	10.0	10.4		ug/L		104	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	8.17		ug/L		82	68 - 130
Vinyl acetate	0.95	U	20.0	19.0		ug/L		95	62 - 130
Vinyl chloride	0.26	U	10.0	8.53		ug/L		85	59 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 660-94148-F-3 DU
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	3.0	U	3.0	U	ug/L		NC	30
Acrylonitrile	2.9	U	2.9	U	ug/L		NC	30
Benzene	0.25	U	0.25	U	ug/L		NC	30
Bromoform	1.1	U	1.1	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
2-Butanone (MEK)	3.2	U	3.2	U	ug/L		NC	30
Carbon disulfide	0.35	U	0.35	U	ug/L		NC	30
Carbon tetrachloride	0.23	U	0.23	U	ug/L		NC	30
Chlorobenzene	1.1		1.18		ug/L		4	30
Chlorobromomethane	0.36	U	0.36	U	ug/L		NC	30
Chlorodibromomethane	0.31	U	0.31	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
Chloromethane	0.76	U	0.76	U	ug/L		NC	30
cis-1,2-Dichloroethene	46		46.3		ug/L		0.4	30
cis-1,3-Dichloropropene	0.39	U	0.39	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Dibromomethane	0.46	U	0.46	U	ug/L		NC	30
1,2-Dichlorobenzene	1.4		1.43		ug/L		0.3	30
1,4-Dichlorobenzene	0.39	I	0.391	I	ug/L		0.6	30
Dichlorobromomethane	0.23	U	0.23	U	ug/L		NC	30
1,1-Dichloroethane	4.1		3.90		ug/L		5	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 660-94148-F-3 DU
Matrix: Water
Analysis Batch: 210190

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
1,2-Dichloroethane	0.31	U		0.31	U	ug/L				NC	30
1,1-Dichloroethene	6.8			6.40		ug/L				5	30
1,2-Dichloropropane	0.52	U		0.52	U	ug/L				NC	30
Ethylbenzene	0.27	U		0.27	U	ug/L				NC	30
Ethylene Dibromide	0.27	U		0.27	U	ug/L				NC	30
2-Hexanone	4.4	U		4.4	U	ug/L				NC	30
Iodomethane	4.1	U		4.1	U	ug/L				NC	30
Methylene Chloride	1.4	U		1.4	U	ug/L				NC	30
4-Methyl-2-pentanone (MIBK)	4.0	U		4.0	U	ug/L				NC	30
Styrene	0.49	U		0.49	U	ug/L				NC	30
1,1,1,2-Tetrachloroethane	0.36	U		0.36	U	ug/L				NC	30
1,1,2,2-Tetrachloroethane	0.44	U		0.44	U	ug/L				NC	30
Tetrachloroethene	3.4			3.21		ug/L				6	30
Toluene	0.24	U		0.24	U	ug/L				NC	30
trans-1,4-Dichloro-2-butene	1.5	U		1.5	U	ug/L				NC	30
trans-1,2-Dichloroethene	0.60	I		0.534	I	ug/L				12	30
trans-1,3-Dichloropropene	0.27	U		0.27	U	ug/L				NC	30
1,1,1-Trichloroethane	0.30	U		0.30	U	ug/L				NC	30
1,1,2-Trichloroethane	0.29	U		0.29	U	ug/L				NC	30
Trichloroethene	8.1			8.14		ug/L				0.7	30
Trichlorofluoromethane	0.49	U		0.49	U	ug/L				NC	30
1,2,3-Trichloropropane	0.44	U		0.44	U	ug/L				NC	30
Vinyl acetate	0.95	U		0.95	U	ug/L				NC	30
Vinyl chloride	0.52	I		0.534	I	ug/L				2	30
Xylenes, Total	0.50	U		0.50	U	ug/L				NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*96*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: MB 660-210279/7
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	3.0	U	20	3.0	ug/L			05/08/19 10:01	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/08/19 10:01	1
Benzene	0.25	U	1.0	0.25	ug/L			05/08/19 10:01	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/08/19 10:01	1
Bromomethane	2.5	U	10	2.5	ug/L			05/08/19 10:01	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/08/19 10:01	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/08/19 10:01	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/08/19 10:01	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/08/19 10:01	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/08/19 10:01	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/08/19 10:01	1
Chloroethane	2.5	U	10	2.5	ug/L			05/08/19 10:01	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 660-210279/7
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloroform	0.29	U	1.0	0.29	ug/L			05/08/19 10:01	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/08/19 10:01	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/08/19 10:01	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/08/19 10:01	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/08/19 10:01	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/08/19 10:01	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/08/19 10:01	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/08/19 10:01	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/08/19 10:01	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/08/19 10:01	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/08/19 10:01	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/08/19 10:01	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/08/19 10:01	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/08/19 10:01	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/08/19 10:01	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/08/19 10:01	1
Iodomethane	4.1	U	15	4.1	ug/L			05/08/19 10:01	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/08/19 10:01	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/08/19 10:01	1
Styrene	0.49	U	2.0	0.49	ug/L			05/08/19 10:01	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/08/19 10:01	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/08/19 10:01	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/08/19 10:01	1
Toluene	0.24	U	1.0	0.24	ug/L			05/08/19 10:01	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/08/19 10:01	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/08/19 10:01	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/08/19 10:01	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/08/19 10:01	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/08/19 10:01	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/08/19 10:01	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/08/19 10:01	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/08/19 10:01	1
Vinyl acetate	0.95	U	10	0.95	ug/L			05/08/19 10:01	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/08/19 10:01	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/08/19 10:01	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*05/08/19 10:01*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*05/08/19 10:01*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*05/08/19 10:01*	*1*

Lab Sample ID: LCS 660-210279/5
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	82.2		ug/L		82	52 - 150
Acrylonitrile	100	81.7		ug/L		82	66 - 131

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-210279/5
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	10.0	9.58		ug/L		96	69 - 131
Bromoform	10.0	7.74		ug/L		77	60 - 130
Bromomethane	10.0	7.89	I	ug/L		79	10 - 150
2-Butanone (MEK)	100	80.8		ug/L		81	65 - 130
Carbon disulfide	10.0	8.85		ug/L		89	15 - 150
Carbon tetrachloride	10.0	9.61		ug/L		96	62 - 130
Chlorobenzene	10.0	9.36		ug/L		94	68 - 130
Chlorobromomethane	10.0	9.27		ug/L		93	68 - 130
Chlorodibromomethane	10.0	8.12		ug/L		81	58 - 130
Chloroethane	10.0	9.02	I	ug/L		90	52 - 150
Chloroform	10.0	9.85		ug/L		98	77 - 130
Chloromethane	10.0	8.40		ug/L		84	59 - 137
cis-1,2-Dichloroethene	10.0	9.67		ug/L		97	69 - 133
cis-1,3-Dichloropropene	10.0	9.38		ug/L		94	61 - 130
1,2-Dibromo-3-Chloropropane	10.0	7.28	I	ug/L		73	54 - 139
Dibromomethane	10.0	8.74		ug/L		87	64 - 130
1,2-Dichlorobenzene	10.0	9.95		ug/L		99	69 - 133
1,4-Dichlorobenzene	10.0	9.53		ug/L		95	69 - 133
Dichlorobromomethane	10.0	9.11		ug/L		91	67 - 131
1,1-Dichloroethane	10.0	9.97		ug/L		100	69 - 130
1,2-Dichloroethane	10.0	9.15		ug/L		92	65 - 130
1,1-Dichloroethene	10.0	10.2		ug/L		102	62 - 133
1,2-Dichloropropane	10.0	9.46		ug/L		95	79 - 130
Ethylbenzene	10.0	9.60		ug/L		96	77 - 130
Ethylene Dibromide	10.0	8.42		ug/L		84	63 - 130
2-Hexanone	100	81.2		ug/L		81	47 - 147
Iodomethane	10.0	8.44	I	ug/L		84	21 - 150
Methylene Chloride	10.0	8.34	I	ug/L		83	68 - 142
4-Methyl-2-pentanone (MIBK)	100	80.7		ug/L		81	46 - 146
Styrene	10.0	9.15		ug/L		92	66 - 130
1,1,1,2-Tetrachloroethane	10.0	9.17		ug/L		92	67 - 130
1,1,2,2-Tetrachloroethane	10.0	8.38		ug/L		84	67 - 130
Tetrachloroethene	10.0	10.3		ug/L		103	65 - 130
Toluene	10.0	9.38		ug/L		94	77 - 130
trans-1,4-Dichloro-2-butene	10.0	7.66	I	ug/L		77	55 - 130
trans-1,2-Dichloroethene	10.0	10.2		ug/L		102	67 - 139
trans-1,3-Dichloropropene	10.0	8.16		ug/L		82	57 - 130
1,1,1-Trichloroethane	10.0	9.97		ug/L		100	65 - 130
1,1,2-Trichloroethane	10.0	9.18		ug/L		92	68 - 130
Trichloroethene	10.0	9.88		ug/L		99	68 - 130
Trichlorofluoromethane	10.0	9.60		ug/L		96	56 - 135
1,2,3-Trichloropropane	10.0	8.53		ug/L		85	68 - 130
Vinyl acetate	20.0	16.9		ug/L		85	62 - 130
Vinyl chloride	10.0	9.18		ug/L		92	59 - 136

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 660-210279/5
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	LCS %Recovery	LCS Qualifier	Limits
Toluene-d8 (Surr)	99		70 - 130

Lab Sample ID: 680-168483-E-20 MS
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	3.0	U	100	86.0		ug/L		86	52 - 150
Acrylonitrile	2.9	U	100	91.5		ug/L		91	66 - 131
Benzene	0.25	U	10.0	9.60		ug/L		96	69 - 131
Bromoform	1.1	U	10.0	8.00		ug/L		80	60 - 130
Bromomethane	2.5	U	10.0	6.95	I	ug/L		70	10 - 150
2-Butanone (MEK)	3.2	U	100	89.8		ug/L		90	65 - 130
Carbon disulfide	0.35	U	10.0	7.98		ug/L		80	15 - 150
Carbon tetrachloride	0.23	U	10.0	9.82		ug/L		98	62 - 130
Chlorobenzene	0.27	U	10.0	9.64		ug/L		96	68 - 130
Chlorobromomethane	0.36	U	10.0	9.61		ug/L		96	68 - 130
Chlorodibromomethane	0.31	U	10.0	8.37		ug/L		84	58 - 130
Chloroethane	2.5	U	10.0	8.64	I	ug/L		86	52 - 150
Chloroform	0.29	U	10.0	9.85		ug/L		98	77 - 130
Chloromethane	0.76	U J3	10.0	5.82	J3	ug/L		58	59 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	9.73		ug/L		97	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	9.20		ug/L		92	61 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	8.30	I	ug/L		83	54 - 139
Dibromomethane	0.46	U	10.0	9.21		ug/L		92	64 - 130
1,2-Dichlorobenzene	0.24	U	10.0	10.2		ug/L		102	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	9.55		ug/L		95	69 - 133
Dichlorobromomethane	0.23	U	10.0	9.09		ug/L		91	67 - 131
1,1-Dichloroethane	0.32	U	10.0	9.72		ug/L		97	69 - 130
1,2-Dichloroethane	0.31	U	10.0	9.46		ug/L		95	65 - 130
1,1-Dichloroethene	0.26	U	10.0	9.69		ug/L		97	62 - 133
1,2-Dichloropropane	0.52	U	10.0	9.86		ug/L		99	79 - 130
Ethylbenzene	0.27	U	10.0	9.65		ug/L		96	77 - 130
Ethylene Dibromide	0.27	U	10.0	9.26		ug/L		93	63 - 130
2-Hexanone	4.4	U	100	90.4		ug/L		90	47 - 147
Iodomethane	4.1	U	10.0	6.43	I	ug/L		64	21 - 150
Methylene Chloride	1.4	U	10.0	9.13	I	ug/L		91	68 - 142
4-Methyl-2-pentanone (MIBK)	4.0	U	100	93.5		ug/L		93	46 - 146
Styrene	0.49	U	10.0	9.26		ug/L		93	66 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	9.06		ug/L		91	67 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	9.75		ug/L		98	67 - 130
Tetrachloroethene	0.50	U	10.0	9.57		ug/L		96	65 - 130
Toluene	0.24	U	10.0	9.71		ug/L		97	77 - 130
trans-1,4-Dichloro-2-butene	1.5	U	10.0	8.73	I	ug/L		87	55 - 130
trans-1,2-Dichloroethene	0.39	U	10.0	10.3		ug/L		103	67 - 139
trans-1,3-Dichloropropene	0.27	U	10.0	8.26		ug/L		83	57 - 130
1,1,1-Trichloroethane	0.30	U	10.0	9.91		ug/L		99	65 - 130
1,1,2-Trichloroethane	0.29	U	10.0	9.89		ug/L		99	68 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-168483-E-20 MS
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	0.61	U	10.0	9.44		ug/L		94	68 - 130
Trichlorofluoromethane	0.49	U	10.0	9.08		ug/L		91	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	10.4		ug/L		104	68 - 130
Vinyl acetate	0.95	U	20.0	18.1		ug/L		90	62 - 130
Vinyl chloride	0.26	U	10.0	7.13		ug/L		71	59 - 136

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Lab Sample ID: 680-168483-G-21 DU
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Acetone	3.0	U	3.0	U	ug/L		NC	30
Acrylonitrile	2.9	U	2.9	U	ug/L		NC	30
Benzene	0.25	U	0.25	U	ug/L		NC	30
Bromoform	1.1	U	1.1	U	ug/L		NC	30
Bromomethane	2.5	U	2.5	U	ug/L		NC	30
2-Butanone (MEK)	3.2	U	3.2	U	ug/L		NC	30
Carbon disulfide	0.35	U	0.35	U	ug/L		NC	30
Carbon tetrachloride	0.23	U	0.23	U	ug/L		NC	30
Chlorobenzene	0.27	U	0.27	U	ug/L		NC	30
Chlorobromomethane	0.36	U	0.36	U	ug/L		NC	30
Chlorodibromomethane	0.31	U	0.31	U	ug/L		NC	30
Chloroethane	2.5	U	2.5	U	ug/L		NC	30
Chloroform	0.29	U	0.29	U	ug/L		NC	30
Chloromethane	0.76	U	0.76	U	ug/L		NC	30
cis-1,2-Dichloroethene	0.32	U	0.32	U	ug/L		NC	30
cis-1,3-Dichloropropene	0.39	U	0.39	U	ug/L		NC	30
1,2-Dibromo-3-Chloropropane	2.5	U	2.5	U	ug/L		NC	30
Dibromomethane	0.46	U	0.46	U	ug/L		NC	30
1,2-Dichlorobenzene	0.24	U	0.24	U	ug/L		NC	30
1,4-Dichlorobenzene	0.22	U	0.22	U	ug/L		NC	30
Dichlorobromomethane	0.23	U	0.23	U	ug/L		NC	30
1,1-Dichloroethane	0.32	U	0.32	U	ug/L		NC	30
1,2-Dichloroethane	0.31	U	0.31	U	ug/L		NC	30
1,1-Dichloroethene	0.26	U	0.26	U	ug/L		NC	30
1,2-Dichloropropane	0.52	U	0.52	U	ug/L		NC	30
Ethylbenzene	0.27	U	0.27	U	ug/L		NC	30
Ethylene Dibromide	0.27	U	0.27	U	ug/L		NC	30
2-Hexanone	4.4	U	4.4	U	ug/L		NC	30
Iodomethane	4.1	U	4.1	U	ug/L		NC	30
Methylene Chloride	1.4	U	1.4	U	ug/L		NC	30
4-Methyl-2-pentanone (MIBK)	4.0	U	4.0	U	ug/L		NC	30
Styrene	0.49	U	0.49	U	ug/L		NC	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-168483-G-21 DU
Matrix: Water
Analysis Batch: 210279

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
1,1,1,2-Tetrachloroethane	0.36	U	0.36	U	ug/L		NC	30
1,1,2,2-Tetrachloroethane	0.44	U	0.44	U	ug/L		NC	30
Tetrachloroethene	0.50	U	0.50	U	ug/L		NC	30
Toluene	0.24	U	0.24	U	ug/L		NC	30
trans-1,4-Dichloro-2-butene	1.5	U	1.5	U	ug/L		NC	30
trans-1,2-Dichloroethene	0.39	U	0.39	U	ug/L		NC	30
trans-1,3-Dichloropropene	0.27	U	0.27	U	ug/L		NC	30
1,1,1-Trichloroethane	0.30	U	0.30	U	ug/L		NC	30
1,1,2-Trichloroethane	0.29	U	0.29	U	ug/L		NC	30
Trichloroethene	0.61	U	0.61	U	ug/L		NC	30
Trichlorofluoromethane	0.49	U	0.49	U	ug/L		NC	30
1,2,3-Trichloropropane	0.44	U	0.44	U	ug/L		NC	30
Vinyl acetate	0.95	U	0.95	U	ug/L		NC	30
Vinyl chloride	0.26	U	0.26	U	ug/L		NC	30
Xylenes, Total	0.50	U	0.50	U	ug/L		NC	30

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*100*		*70 - 130*

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: MB 680-568880/2
Matrix: Water
Analysis Batch: 568880

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/02/19 19:43	1

Lab Sample ID: LCS 680-568880/3
Matrix: Water
Analysis Batch: 568880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	9.89		mg/L		99	90 - 110

Lab Sample ID: LCSD 680-568880/4
Matrix: Water
Analysis Batch: 568880

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	9.91		mg/L		99	90 - 110	0	15

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography (Continued)

Lab Sample ID: 660-93977-3 MS
Matrix: Water
Analysis Batch: 568880

Client Sample ID: AC79884 2MW 17S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	4.1		10.0	14.3		mg/L		102	80 - 120

Lab Sample ID: 660-93977-3 MSD
Matrix: Water
Analysis Batch: 568880

Client Sample ID: AC79884 2MW 17S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	4.1		10.0	14.3		mg/L		102	80 - 120	0	15

Lab Sample ID: 680-168041-C-2 MS
Matrix: Water
Analysis Batch: 568880

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10		10.0	20.5		mg/L		102	80 - 120

Lab Sample ID: 680-168041-C-2 MSD
Matrix: Water
Analysis Batch: 568880

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10		10.0	20.6		mg/L		102	80 - 120	0	15

Lab Sample ID: MB 680-569390/79
Matrix: Water
Analysis Batch: 569390

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/07/19 22:13	1

Lab Sample ID: LCS 680-569390/80
Matrix: Water
Analysis Batch: 569390

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.3		mg/L		103	90 - 110

Lab Sample ID: LCSD 680-569390/81
Matrix: Water
Analysis Batch: 569390

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.3		mg/L		103	90 - 110	0	15

Lab Sample ID: 680-168128-AA-1 MS
Matrix: Water
Analysis Batch: 569390

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	1.7		10.0	12.1		mg/L		104	80 - 120

Method: 300.0-1993 R2.1 - Anions, Ion Chromatography

Lab Sample ID: 680-168128-AA-1 MSD
Matrix: Water
Analysis Batch: 569390

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.7		10.0	12.1		mg/L		104	80 - 120	0	15

Lab Sample ID: MB 680-569879/70
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.20	U	0.50	0.20	mg/L			05/10/19 19:02	1

Lab Sample ID: LCS 680-569879/71
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	10.0	10.1		mg/L		101	90 - 110

Lab Sample ID: LCSD 680-569879/72
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	10.0	10.1		mg/L		101	90 - 110	0	15

Lab Sample ID: 660-94252-B-6 MS
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	140		10.0	149		mg/L		88	80 - 120

Lab Sample ID: 660-94252-B-6 MSD
Matrix: Water
Analysis Batch: 569879

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	140		10.0	150		mg/L		90	80 - 120	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 660-209631/1-A
Matrix: Water
Analysis Batch: 209688

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 209631

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/19 06:30	04/23/19 09:23	1
Iron	25	U	200	25	ug/L		04/22/19 06:30	04/23/19 09:23	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/19 06:30	04/23/19 09:23	1
Sodium	120	U	1000	120	ug/L		04/22/19 06:30	04/23/19 09:23	1
Barium	0.92	U	10	0.92	ug/L		04/22/19 06:30	04/23/19 09:23	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/19 06:30	04/23/19 09:23	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 660-209631/1-A
Matrix: Water
Analysis Batch: 209688

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 209631

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/19 06:30	04/23/19 09:23	1
Chromium	1.1	U	10	1.1	ug/L		04/22/19 06:30	04/23/19 09:23	1
Cobalt	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:23	1
Copper	2.8	U	10	2.8	ug/L		04/22/19 06:30	04/23/19 09:23	1
Lead	2.0	U	10	2.0	ug/L		04/22/19 06:30	04/23/19 09:23	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/19 06:30	04/23/19 09:23	1
Selenium	5.0	U	20	5.0	ug/L		04/22/19 06:30	04/23/19 09:23	1
Silver	1.5	U	10	1.5	ug/L		04/22/19 06:30	04/23/19 09:23	1
Thallium	2.8	U	20	2.8	ug/L		04/22/19 06:30	04/23/19 09:23	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/19 06:30	04/23/19 09:23	1
Zinc	14	U	20	14	ug/L		04/22/19 06:30	04/23/19 09:23	1

Lab Sample ID: LCS 660-209631/2-A
Matrix: Water
Analysis Batch: 209688

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 209631

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1040		ug/L		104	80 - 120
Iron	1000	1040		ug/L		104	80 - 120
Arsenic	1000	966		ug/L		97	80 - 120
Sodium	10000	10100		ug/L		101	80 - 120
Barium	1000	1010		ug/L		101	80 - 120
Beryllium	1000	1020		ug/L		102	80 - 120
Cadmium	1000	980		ug/L		98	80 - 120
Chromium	1000	998		ug/L		100	80 - 120
Cobalt	1000	1010		ug/L		101	80 - 120
Copper	1000	1040		ug/L		104	80 - 120
Lead	1000	1010		ug/L		101	80 - 120
Nickel	1000	990		ug/L		99	80 - 120
Selenium	1000	977		ug/L		98	80 - 120
Silver	1000	1040		ug/L		104	80 - 120
Thallium	1000	960		ug/L		96	80 - 120
Vanadium	1000	990		ug/L		99	80 - 120
Zinc	1000	1000		ug/L		100	80 - 120

Lab Sample ID: 660-93977-1 MS
Matrix: Water
Analysis Batch: 209688

Client Sample ID: AC79882 2MW 18D
Prep Type: Total Recoverable
Prep Batch: 209631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1060		ug/L		106	75 - 125
Iron	27	I	1000	1030		ug/L		100	75 - 125
Arsenic	2.0	I	1000	1000		ug/L		100	75 - 125
Sodium	10000		10000	20200		ug/L		100	75 - 125
Barium	10		1000	1010		ug/L		100	75 - 125
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125
Cadmium	0.46	U	1000	990		ug/L		99	75 - 125
Chromium	1.1	U	1000	997		ug/L		100	75 - 125
Cobalt	2.0	U	1000	999		ug/L		100	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-93977-1 MS
Matrix: Water
Analysis Batch: 209688

Client Sample ID: AC79882 2MW 18D
Prep Type: Total Recoverable
Prep Batch: 209631

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Copper	2.8	U	1000	1030		ug/L		103	75 - 125
Lead	2.0	U	1000	988		ug/L		99	75 - 125
Nickel	0.91	I	1000	952		ug/L		95	75 - 125
Selenium	5.0	U	1000	1010		ug/L		101	75 - 125
Silver	1.5	U	1000	1030		ug/L		103	75 - 125
Thallium	2.8	U	1000	953		ug/L		95	75 - 125
Vanadium	4.4	U	1000	984		ug/L		98	75 - 125
Zinc	14	U	1000	1010		ug/L		101	75 - 125

Lab Sample ID: 660-93977-1 MSD
Matrix: Water
Analysis Batch: 209688

Client Sample ID: AC79882 2MW 18D
Prep Type: Total Recoverable
Prep Batch: 209631

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1070		ug/L		107	75 - 125	1	20
Iron	27	I	1000	1040		ug/L		101	75 - 125	1	20
Arsenic	2.0	I	1000	1020		ug/L		102	75 - 125	2	20
Sodium	10000		10000	20500		ug/L		103	75 - 125	1	20
Barium	10		1000	1030		ug/L		102	75 - 125	2	20
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125	0	20
Cadmium	0.46	U	1000	1020		ug/L		102	75 - 125	3	20
Chromium	1.1	U	1000	1020		ug/L		102	75 - 125	3	20
Cobalt	2.0	U	1000	1020		ug/L		102	75 - 125	2	20
Copper	2.8	U	1000	1030		ug/L		103	75 - 125	0	20
Lead	2.0	U	1000	1010		ug/L		101	75 - 125	2	20
Nickel	0.91	I	1000	960		ug/L		96	75 - 125	1	20
Selenium	5.0	U	1000	1020		ug/L		102	75 - 125	2	20
Silver	1.5	U	1000	1040		ug/L		104	75 - 125	1	20
Thallium	2.8	U	1000	968		ug/L		97	75 - 125	2	20
Vanadium	4.4	U	1000	1000		ug/L		100	75 - 125	2	20
Zinc	14	U	1000	1030		ug/L		103	75 - 125	2	20

Lab Sample ID: MB 660-209846/1-A
Matrix: Water
Analysis Batch: 209860

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 209846

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/26/19 07:01	04/26/19 13:07	1
Iron	0.025	U	0.20	0.025	mg/L		04/26/19 07:01	04/26/19 13:07	1
Arsenic	1.9	U	10	1.9	ug/L		04/26/19 07:01	04/26/19 13:07	1
Sodium	0.12	U	1.0	0.12	mg/L		04/26/19 07:01	04/26/19 13:07	1
Barium	0.92	U	10	0.92	ug/L		04/26/19 07:01	04/26/19 13:07	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/26/19 07:01	04/26/19 13:07	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/26/19 07:01	04/26/19 13:07	1
Chromium	1.1	U	10	1.1	ug/L		04/26/19 07:01	04/26/19 13:07	1
Cobalt	2.0	U	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:07	1
Copper	2.8	U	10	2.8	ug/L		04/26/19 07:01	04/26/19 13:07	1
Lead	2.0	U	10	2.0	ug/L		04/26/19 07:01	04/26/19 13:07	1
Nickel	0.81	U	8.0	0.81	ug/L		04/26/19 07:01	04/26/19 13:07	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 660-209846/1-A
Matrix: Water
Analysis Batch: 209860

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 209846

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	5.0	U	20	5.0	ug/L		04/26/19 07:01	04/26/19 13:07	1
Silver	1.5	U	10	1.5	ug/L		04/26/19 07:01	04/26/19 13:07	1
Thallium	2.8	U	20	2.8	ug/L		04/26/19 07:01	04/26/19 13:07	1
Vanadium	4.4	U	20	4.4	ug/L		04/26/19 07:01	04/26/19 13:07	1
Zinc	14	U	20	14	ug/L		04/26/19 07:01	04/26/19 13:07	1

Lab Sample ID: LCS 660-209846/2-A
Matrix: Water
Analysis Batch: 209860

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 209846

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1070		ug/L		107	80 - 120
Iron	1.00	1.02		mg/L		102	80 - 120
Arsenic	1000	1010		ug/L		101	80 - 120
Sodium	10.0	10.2		mg/L		102	80 - 120
Barium	1000	1020		ug/L		102	80 - 120
Beryllium	1000	1020		ug/L		102	80 - 120
Cadmium	1000	1010		ug/L		101	80 - 120
Chromium	1000	1030		ug/L		103	80 - 120
Cobalt	1000	1040		ug/L		104	80 - 120
Copper	1000	1020		ug/L		102	80 - 120
Lead	1000	1050		ug/L		105	80 - 120
Nickel	1000	1010		ug/L		101	80 - 120
Selenium	1000	1020		ug/L		102	80 - 120
Silver	1000	1010		ug/L		101	80 - 120
Thallium	1000	994		ug/L		99	80 - 120
Vanadium	1000	987		ug/L		99	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120

Lab Sample ID: LCSD 660-209846/3-A
Matrix: Water
Analysis Batch: 209860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 209846

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	1000	1060		ug/L		106	80 - 120	1	20
Iron	1.00	1.02		mg/L		102	80 - 120	0	20
Arsenic	1000	1000		ug/L		100	80 - 120	1	20
Sodium	10.0	10.2		mg/L		102	80 - 120	0	20
Barium	1000	1010		ug/L		101	80 - 120	0	20
Beryllium	1000	1010		ug/L		101	80 - 120	0	20
Cadmium	1000	1010		ug/L		101	80 - 120	0	20
Chromium	1000	1030		ug/L		103	80 - 120	0	20
Cobalt	1000	1040		ug/L		104	80 - 120	0	20
Copper	1000	1020		ug/L		102	80 - 120	1	20
Lead	1000	1040		ug/L		104	80 - 120	0	20
Nickel	1000	1000		ug/L		100	80 - 120	1	20
Selenium	1000	1010		ug/L		101	80 - 120	1	20
Silver	1000	1000		ug/L		100	80 - 120	0	20
Thallium	1000	988		ug/L		99	80 - 120	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCSD 660-209846/3-A
Matrix: Water
Analysis Batch: 209860

Client Sample ID: Lab Control Sample Dup
Prep Type: Total Recoverable
Prep Batch: 209846

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Vanadium			1000	985		ug/L		98	80 - 120	0	20
Zinc			1000	1020		ug/L		102	80 - 120	1	20

Lab Sample ID: 660-94128-C-1-B MS
Matrix: Water
Analysis Batch: 209860

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 209846

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1070		ug/L		107	75 - 125
Iron	0.29		1.00	1.30		mg/L		101	75 - 125
Arsenic	1.9	U	1000	1020		ug/L		102	75 - 125
Sodium	2.4		10.0	12.4		mg/L		100	75 - 125
Barium	14		1000	1020		ug/L		100	75 - 125
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125
Cadmium	0.46	U	1000	1010		ug/L		101	75 - 125
Chromium	1.1	U	1000	1020		ug/L		102	75 - 125
Cobalt	2.0	U	1000	1030		ug/L		103	75 - 125
Copper	2.8	U	1000	1020		ug/L		102	75 - 125
Lead	2.0	U	1000	1030		ug/L		103	75 - 125
Nickel	4.5	I	1000	992		ug/L		99	75 - 125
Selenium	5.0	U	1000	1020		ug/L		102	75 - 125
Silver	1.5	U	1000	992		ug/L		99	75 - 125
Thallium	2.8	U	1000	985		ug/L		99	75 - 125
Vanadium	4.4	U	1000	984		ug/L		98	75 - 125
Zinc	14	U	1000	1030		ug/L		103	75 - 125

Lab Sample ID: 660-94128-C-1-C MSD
Matrix: Water
Analysis Batch: 209860

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 209846

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1080		ug/L		108	75 - 125	1	20
Iron	0.29		1.00	1.32		mg/L		103	75 - 125	2	20
Arsenic	1.9	U	1000	1020		ug/L		102	75 - 125	1	20
Sodium	2.4		10.0	12.6		mg/L		103	75 - 125	2	20
Barium	14		1000	1030		ug/L		102	75 - 125	2	20
Beryllium	0.50	U	1000	1030		ug/L		103	75 - 125	0	20
Cadmium	0.46	U	1000	1010		ug/L		101	75 - 125	0	20
Chromium	1.1	U	1000	1030		ug/L		103	75 - 125	0	20
Cobalt	2.0	U	1000	1030		ug/L		103	75 - 125	0	20
Copper	2.8	U	1000	1030		ug/L		103	75 - 125	1	20
Lead	2.0	U	1000	1040		ug/L		104	75 - 125	1	20
Nickel	4.5	I	1000	997		ug/L		99	75 - 125	0	20
Selenium	5.0	U	1000	1030		ug/L		103	75 - 125	0	20
Silver	1.5	U	1000	1010		ug/L		101	75 - 125	1	20
Thallium	2.8	U	1000	988		ug/L		99	75 - 125	0	20
Vanadium	4.4	U	1000	995		ug/L		100	75 - 125	1	20
Zinc	14	U	1000	1030		ug/L		103	75 - 125	0	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 660-210117/1-A
Matrix: Water
Analysis Batch: 210134

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 210117

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/03/19 09:38	05/03/19 16:28	1
Iron	25	U	200	25	ug/L		05/03/19 09:38	05/03/19 16:28	1
Arsenic	1.9	U	10	1.9	ug/L		05/03/19 09:38	05/03/19 16:28	1
Sodium	120	U	1000	120	ug/L		05/03/19 09:38	05/03/19 16:28	1
Barium	0.92	U	10	0.92	ug/L		05/03/19 09:38	05/03/19 16:28	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/03/19 09:38	05/03/19 16:28	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/03/19 09:38	05/03/19 16:28	1
Chromium	1.1	U	10	1.1	ug/L		05/03/19 09:38	05/03/19 16:28	1
Cobalt	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:28	1
Copper	2.8	U	10	2.8	ug/L		05/03/19 09:38	05/03/19 16:28	1
Lead	2.0	U	10	2.0	ug/L		05/03/19 09:38	05/03/19 16:28	1
Nickel	0.81	U	8.0	0.81	ug/L		05/03/19 09:38	05/03/19 16:28	1
Selenium	5.0	U	20	5.0	ug/L		05/03/19 09:38	05/03/19 16:28	1
Silver	1.5	U	10	1.5	ug/L		05/03/19 09:38	05/03/19 16:28	1
Thallium	2.8	U	20	2.8	ug/L		05/03/19 09:38	05/03/19 16:28	1
Vanadium	4.4	U	20	4.4	ug/L		05/03/19 09:38	05/03/19 16:28	1
Zinc	14	U	20	14	ug/L		05/03/19 09:38	05/03/19 16:28	1

Lab Sample ID: LCS 660-210117/2-A
Matrix: Water
Analysis Batch: 210134

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 210117

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1070		ug/L		107	80 - 120
Iron	1000	1020		ug/L		102	80 - 120
Arsenic	1000	1030		ug/L		103	80 - 120
Sodium	10000	9930		ug/L		99	80 - 120
Barium	1000	1000		ug/L		100	80 - 120
Beryllium	1000	969		ug/L		97	80 - 120
Cadmium	1000	1040		ug/L		104	80 - 120
Chromium	1000	1060		ug/L		106	80 - 120
Cobalt	1000	1080		ug/L		108	80 - 120
Copper	1000	1000		ug/L		100	80 - 120
Lead	1000	1060		ug/L		106	80 - 120
Nickel	1000	988		ug/L		99	80 - 120
Selenium	1000	1030		ug/L		103	80 - 120
Silver	1000	981		ug/L		98	80 - 120
Thallium	1000	979		ug/L		98	80 - 120
Vanadium	1000	989		ug/L		99	80 - 120
Zinc	1000	1050		ug/L		105	80 - 120

Lab Sample ID: 660-94266-1 MS
Matrix: Water
Analysis Batch: 210134

Client Sample ID: AC80322 2MW 27D
Prep Type: Total Recoverable
Prep Batch: 210117

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1100		ug/L		110	75 - 125
Antimony	4.0	U	1000	1100		ug/L		110	75 - 125
Iron	32	I	1000	1050		ug/L		101	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-94266-1 MS
Matrix: Water
Analysis Batch: 210134

Client Sample ID: AC80322 2MW 27D
Prep Type: Total Recoverable
Prep Batch: 210117

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Iron	32	I	1000	1050		ug/L		101	75 - 125
Arsenic	1.9	U	1000	1060		ug/L		106	75 - 125
Arsenic	1.9	U	1000	1060		ug/L		106	75 - 125
Sodium	44000		10000	53300		ug/L		95	75 - 125
Sodium	44000		10000	53300		ug/L		95	75 - 125
Barium	26		1000	1020		ug/L		100	75 - 125
Barium	26		1000	1020		ug/L		100	75 - 125
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125
Cadmium	0.46	U	1000	1040		ug/L		104	75 - 125
Cadmium	0.46	U	1000	1040		ug/L		104	75 - 125
Chromium	1.1	I	1000	1050		ug/L		105	75 - 125
Chromium	1.1	I	1000	1050		ug/L		105	75 - 125
Cobalt	2.0	U	1000	1050		ug/L		105	75 - 125
Cobalt	2.0	U	1000	1050		ug/L		105	75 - 125
Copper	2.8	U	1000	1020		ug/L		102	75 - 125
Copper	2.8	U	1000	1020		ug/L		102	75 - 125
Lead	2.0	U	1000	1030		ug/L		103	75 - 125
Lead	2.0	U	1000	1030		ug/L		103	75 - 125
Nickel	3.1	I	1000	981		ug/L		98	75 - 125
Nickel	3.1	I	1000	981		ug/L		98	75 - 125
Selenium	5.0	U	1000	1050		ug/L		105	75 - 125
Selenium	5.0	U	1000	1050		ug/L		105	75 - 125
Silver	1.5	U	1000	991		ug/L		99	75 - 125
Silver	1.5	U	1000	991		ug/L		99	75 - 125
Thallium	2.8	U	1000	978		ug/L		98	75 - 125
Thallium	2.8	U	1000	978		ug/L		98	75 - 125
Vanadium	4.4	U	1000	999		ug/L		100	75 - 125
Vanadium	4.4	U	1000	999		ug/L		100	75 - 125
Zinc	14	U	1000	1070		ug/L		107	75 - 125
Zinc	14	U	1000	1070		ug/L		107	75 - 125

Lab Sample ID: 660-94266-1 MSD
Matrix: Water
Analysis Batch: 210134

Client Sample ID: AC80322 2MW 27D
Prep Type: Total Recoverable
Prep Batch: 210117

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1100		ug/L		110	75 - 125	0	20
Antimony	4.0	U	1000	1100		ug/L		110	75 - 125	0	20
Iron	32	I	1000	1040		ug/L		101	75 - 125	1	20
Iron	32	I	1000	1040		ug/L		101	75 - 125	1	20
Arsenic	1.9	U	1000	1080		ug/L		108	75 - 125	1	20
Arsenic	1.9	U	1000	1080		ug/L		108	75 - 125	1	20
Sodium	44000		10000	54100		ug/L		104	75 - 125	2	20
Sodium	44000		10000	54100		ug/L		104	75 - 125	2	20
Barium	26		1000	1030		ug/L		100	75 - 125	1	20
Barium	26		1000	1030		ug/L		100	75 - 125	1	20
Beryllium	0.50	U	1000	1010		ug/L		101	75 - 125	1	20
Beryllium	0.50	U	1000	1010		ug/L		101	75 - 125	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-94266-1 MSD
Matrix: Water
Analysis Batch: 210134

Client Sample ID: AC80322 2MW 27D
Prep Type: Total Recoverable
Prep Batch: 210117

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Cadmium	0.46	U	1000	1050		ug/L		105	75 - 125	1	20
Cadmium	0.46	U	1000	1050		ug/L		105	75 - 125	1	20
Chromium	1.1	I	1000	1060		ug/L		106	75 - 125	1	20
Chromium	1.1	I	1000	1060		ug/L		106	75 - 125	1	20
Cobalt	2.0	U	1000	1060		ug/L		106	75 - 125	1	20
Cobalt	2.0	U	1000	1060		ug/L		106	75 - 125	1	20
Copper	2.8	U	1000	1010		ug/L		101	75 - 125	1	20
Copper	2.8	U	1000	1010		ug/L		101	75 - 125	1	20
Lead	2.0	U	1000	1030		ug/L		103	75 - 125	1	20
Lead	2.0	U	1000	1030		ug/L		103	75 - 125	1	20
Nickel	3.1	I	1000	975		ug/L		97	75 - 125	1	20
Nickel	3.1	I	1000	975		ug/L		97	75 - 125	1	20
Selenium	5.0	U	1000	1060		ug/L		106	75 - 125	1	20
Selenium	5.0	U	1000	1060		ug/L		106	75 - 125	1	20
Silver	1.5	U	1000	994		ug/L		99	75 - 125	0	20
Silver	1.5	U	1000	994		ug/L		99	75 - 125	0	20
Thallium	2.8	U	1000	985		ug/L		99	75 - 125	1	20
Thallium	2.8	U	1000	985		ug/L		99	75 - 125	1	20
Vanadium	4.4	U	1000	1000		ug/L		100	75 - 125	0	20
Vanadium	4.4	U	1000	1000		ug/L		100	75 - 125	0	20
Zinc	14	U	1000	1070		ug/L		107	75 - 125	1	20
Zinc	14	U	1000	1070		ug/L		107	75 - 125	1	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 660-209708/13-A
Matrix: Water
Analysis Batch: 209721

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 209708

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		04/23/19 12:30	04/23/19 16:20	1

Lab Sample ID: LCS 660-209708/14-A
Matrix: Water
Analysis Batch: 209721

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 209708

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury			1.40	1.35		ug/L		96	80 - 120		

Lab Sample ID: 660-93977-1 MS
Matrix: Water
Analysis Batch: 209721

Client Sample ID: AC79882 2MW 18D
Prep Type: Total/NA
Prep Batch: 209708

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Mercury	0.076	U	1.40	1.33		ug/L		95	80 - 120		

Method: 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: 660-93977-1 MSD — **Client Sample ID: AC79882 2MW 18D**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 209721 — **Prep Batch: 209708**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.076	U	1.40	1.37		ug/L		98	80 - 120	3	20

Lab Sample ID: MB 660-210012/13-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 210040 — **Prep Batch: 210012**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/01/19 08:00	05/01/19 13:55	1

Lab Sample ID: LCS 660-210012/14-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 210040 — **Prep Batch: 210012**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.46		ug/L		104	80 - 120

Lab Sample ID: 660-94144-B-4-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 210040 — **Prep Batch: 210012**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.076	U	1.40	1.40		ug/L		100	80 - 120

Lab Sample ID: 660-94144-B-4-D MSD — **Client Sample ID: Matrix Spike Duplicate**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 210040 — **Prep Batch: 210012**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.076	U	1.40	1.39		ug/L		100	80 - 120	0	20

Lab Sample ID: MB 660-210197/13-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 210207 — **Prep Batch: 210197**

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.076	U	0.30	0.076	ug/L		05/06/19 12:50	05/06/19 18:20	1

Lab Sample ID: LCS 660-210197/14-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 210207 — **Prep Batch: 210197**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.38		ug/L		99	80 - 120

Lab Sample ID: 660-94227-K-1-C MS — **Client Sample ID: Matrix Spike**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 210207 — **Prep Batch: 210197**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.076	U	1.40	1.33		ug/L		95	80 - 120

Method: 7470A - Mercury (CVAA)

Lab Sample ID: 660-94227-K-1-D MSD
Matrix: Water
Analysis Batch: 210207

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 210197

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.076	U	1.40	1.32		ug/L		94	80 - 120	1	20

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: MB 680-567585/12
Matrix: Water
Analysis Batch: 567585

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/23/19 15:12	1

Lab Sample ID: LCS 680-567585/13
Matrix: Water
Analysis Batch: 567585

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	0.983		mg/L		98	90 - 110

Lab Sample ID: 660-93977-1 MS
Matrix: Water
Analysis Batch: 567585

Client Sample ID: AC79882 2MW 18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	1.00	0.986		mg/L		99	90 - 110

Lab Sample ID: 660-93977-1 MSD
Matrix: Water
Analysis Batch: 567585

Client Sample ID: AC79882 2MW 18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	1.00	0.974		mg/L		97	90 - 110	1	30

Lab Sample ID: 660-93977-2 MS
Matrix: Water
Analysis Batch: 567585

Client Sample ID: AC79883 2MW 19D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: 660-93977-2 MSD
Matrix: Water
Analysis Batch: 567585

Client Sample ID: AC79883 2MW 19D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U	1.00	0.984		mg/L		98	90 - 110	3	30

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia (Continued)

Lab Sample ID: MB 680-568551/12
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/30/19 13:53	1

Lab Sample ID: MB 680-568551/28
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/30/19 14:30	1

Lab Sample ID: LCS 680-568551/11
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: LCS 680-568551/29
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.00		mg/L		100	90 - 110

Lab Sample ID: 660-93953-E-4 MS
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.9	J3	1.00	2.73	J3	mg/L		82	90 - 110

Lab Sample ID: 660-93953-E-4 MSD
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	1.9	J3	1.00	2.72	J3	mg/L		81	90 - 110	0	30

Lab Sample ID: 660-94002-E-5 MS
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.6	J3	1.00	2.17	J3	mg/L		56	90 - 110

Lab Sample ID: 660-94002-E-5 MSD
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	1.6	J3	1.00	2.20	J3	mg/L		58	90 - 110	1	30

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: 660-94008-F-15 DU
Matrix: Water
Analysis Batch: 568551

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Ammonia	0.10	U	0.10	U	mg/L		NC	30

Lab Sample ID: MB 680-569444/12
Matrix: Water
Analysis Batch: 569444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/07/19 12:25	1

Lab Sample ID: MB 680-569444/44
Matrix: Water
Analysis Batch: 569444

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/07/19 13:55	1

Lab Sample ID: LCS 680-569444/13
Matrix: Water
Analysis Batch: 569444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.06		mg/L		106	90 - 110

Lab Sample ID: LCS 680-569444/45
Matrix: Water
Analysis Batch: 569444

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	1.00	1.07		mg/L		107	90 - 110

Lab Sample ID: 660-94266-1 MS
Matrix: Water
Analysis Batch: 569444

Client Sample ID: AC80322 2MW 27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U J3	1.00	1.18	J3	mg/L		118	90 - 110

Lab Sample ID: 660-94266-1 MSD
Matrix: Water
Analysis Batch: 569444

Client Sample ID: AC80322 2MW 27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U J3	1.00	1.23	J3	mg/L		123	90 - 110	5	30

Lab Sample ID: 660-94266-2 MS
Matrix: Water
Analysis Batch: 569444

Client Sample ID: AC80323 4MW 27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U J3	1.00	1.18	J3	mg/L		118	90 - 110

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: 660-94266-2 MSD
Matrix: Water
Analysis Batch: 569444

Client Sample ID: AC80323 4MW 27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U J3	1.00	1.21	J3	mg/L		121	90 - 110	3	30

Lab Sample ID: 680-168213-A-5 MS
Matrix: Water
Analysis Batch: 569444

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.10	U J3	1.00	1.14	J3	mg/L		114	90 - 110

Lab Sample ID: 680-168213-A-5 MSD
Matrix: Water
Analysis Batch: 569444

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.10	U J3	1.00	1.17	J3	mg/L		117	90 - 110	3	30

Method: 353.2-1993 R2.0 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 680-567133/13
Matrix: Water
Analysis Batch: 567133

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			04/19/19 11:33	1

Lab Sample ID: LCS 680-567133/16
Matrix: Water
Analysis Batch: 567133

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	0.981		mg/L		98	90 - 110

Lab Sample ID: 660-93972-A-6 MS
Matrix: Water
Analysis Batch: 567133

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.010	U	1.00	0.943		mg/L		94	90 - 110

Lab Sample ID: 660-93972-A-6 MSD
Matrix: Water
Analysis Batch: 567133

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.010	U	1.00	0.941		mg/L		94	90 - 110	0	10

Method: 353.2-1993 R2.0 - Nitrogen, Nitrate-Nitrite (Continued)

Lab Sample ID: 680-167755-B-4 MS
Matrix: Water
Analysis Batch: 567133

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N	0.042	I	1.00	0.959		mg/L		92	90 - 110		

Lab Sample ID: 680-167755-B-4 MSD
Matrix: Water
Analysis Batch: 567133

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.042	I	1.00	0.957		mg/L		92	90 - 110	0	10

Lab Sample ID: MB 680-567143/12
Matrix: Water
Analysis Batch: 567143

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			04/19/19 12:48	1

Lab Sample ID: LCS 680-567143/16
Matrix: Water
Analysis Batch: 567143

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N			1.00	1.02		mg/L		102	90 - 110		

Lab Sample ID: 680-167869-B-1 MS
Matrix: Water
Analysis Batch: 567143

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N	0.38		1.00	1.39		mg/L		101	90 - 110		

Lab Sample ID: 680-167869-B-1 MSD
Matrix: Water
Analysis Batch: 567143

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.38		1.00	1.39		mg/L		101	90 - 110	0	10

Lab Sample ID: MB 680-567192/13
Matrix: Water
Analysis Batch: 567192

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			04/20/19 10:34	1

Lab Sample ID: LCS 680-567192/16
Matrix: Water
Analysis Batch: 567192

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Nitrate Nitrite as N			1.00	1.03		mg/L		103	90 - 110		

Method: 353.2-1993 R2.0 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: 660-93972-A-15 MS
Matrix: Water
Analysis Batch: 567192

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.010	U	1.00	1.04		mg/L		104	90 - 110

Lab Sample ID: 660-93972-A-15 MSD
Matrix: Water
Analysis Batch: 567192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.010	U	1.00	1.04		mg/L		104	90 - 110	0	10

Lab Sample ID: 680-167889-I-1 MS
Matrix: Water
Analysis Batch: 567192

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.010	U	1.00	1.08		mg/L		108	90 - 110

Lab Sample ID: 680-167889-I-1 MSD
Matrix: Water
Analysis Batch: 567192

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.010	U	1.00	1.09		mg/L		109	90 - 110	1	10

Lab Sample ID: MB 680-567519/13
Matrix: Water
Analysis Batch: 567519

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			04/23/19 12:20	1

Lab Sample ID: LCS 680-567519/16
Matrix: Water
Analysis Batch: 567519

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.08		mg/L		108	90 - 110

Lab Sample ID: 660-93990-1 MS
Matrix: Water
Analysis Batch: 567519

Client Sample ID: AC79968 2MW-26D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.30	J3	1.00	1.47	J3	mg/L		117	90 - 110

Lab Sample ID: 660-93990-1 MSD
Matrix: Water
Analysis Batch: 567519

Client Sample ID: AC79968 2MW-26D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.30	J3	1.00	1.48	J3	mg/L		118	90 - 110	1	10

Method: 353.2-1993 R2.0 - Nitrogen, Nitrate-Nitrite

Lab Sample ID: MB 680-568126/12
Matrix: Water
Analysis Batch: 568126

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			04/27/19 10:33	1

Lab Sample ID: LCS 680-568126/16
Matrix: Water
Analysis Batch: 568126

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.02		mg/L		102	90 - 110

Lab Sample ID: 680-168172-H-2 MS
Matrix: Water
Analysis Batch: 568126

Client Sample ID: Matrix Spike
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.024	I J3	1.00	0.899	J3	mg/L		87	90 - 110

Lab Sample ID: 680-168172-H-2 MSD
Matrix: Water
Analysis Batch: 568126

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.024	I J3	1.00	1.03	J3	mg/L		101	90 - 110	14	10

Lab Sample ID: MB 680-569392/13
Matrix: Water
Analysis Batch: 569392

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nitrate Nitrite as N	0.010	U	0.050	0.010	mg/L			05/07/19 13:43	1

Lab Sample ID: LCS 680-569392/16
Matrix: Water
Analysis Batch: 569392

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	1.00	1.07		mg/L		107	90 - 110

Lab Sample ID: 660-94266-2 MS
Matrix: Water
Analysis Batch: 569392

Client Sample ID: AC80323 4MW 27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Nitrate Nitrite as N	0.21		1.00	1.20		mg/L		100	90 - 110

Lab Sample ID: 660-94266-2 MSD
Matrix: Water
Analysis Batch: 569392

Client Sample ID: AC80323 4MW 27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Nitrate Nitrite as N	0.21		1.00	1.22		mg/L		101	90 - 110	1	10

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 660-209557/1
Matrix: Water
Analysis Batch: 209557

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1.3	U	1.3	1.3	mg/L			04/18/19 13:17	1

Lab Sample ID: LCS 660-209557/2
Matrix: Water
Analysis Batch: 209557

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	10000	9920		mg/L		99	80 - 120

Lab Sample ID: 660-93978-2 DU
Matrix: Water
Analysis Batch: 209557

Client Sample ID: AC79745 4MW 9
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	240		236		mg/L		3	5.0

Lab Sample ID: MB 660-209642/1
Matrix: Water
Analysis Batch: 209642

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1.3	U	1.3	1.3	mg/L			04/22/19 07:24	1

Lab Sample ID: LCS 660-209642/2
Matrix: Water
Analysis Batch: 209642

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	10000	9860		mg/L		99	80 - 120

Lab Sample ID: 660-93979-4 DU
Matrix: Water
Analysis Batch: 209642

Client Sample ID: AC79828 4MW 4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	240		240		mg/L		0.8	5.0

Lab Sample ID: MB 660-209658/1
Matrix: Water
Analysis Batch: 209658

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	1.3	U	1.3	1.3	mg/L			04/22/19 12:32	1

Lab Sample ID: LCS 660-209658/2
Matrix: Water
Analysis Batch: 209658

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Dissolved Solids	10000	9790		mg/L		98	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: 660-93977-1 DU
Matrix: Water
Analysis Batch: 209658

Client Sample ID: AC79882 2MW 18D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	270			276		mg/L				0.7	5.0

Lab Sample ID: 660-93990-2 DU
Matrix: Water
Analysis Batch: 209658

Client Sample ID: AC79969 2MW-25D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	400			408		mg/L				1	5.0

Lab Sample ID: MB 660-209880/1
Matrix: Water
Analysis Batch: 209880

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			04/26/19 12:45	1

Lab Sample ID: LCS 660-209880/2
Matrix: Water
Analysis Batch: 209880

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			10000	9840		mg/L		98	80 - 120		

Lab Sample ID: 660-94098-P-1 DU
Matrix: Water
Analysis Batch: 209880

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	440			438		mg/L				0.5	5.0

Lab Sample ID: MB 660-210112/1
Matrix: Water
Analysis Batch: 210112

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	5.0	U	5.0	5.0	mg/L			05/03/19 09:22	1

Lab Sample ID: LCS 660-210112/2
Matrix: Water
Analysis Batch: 210112

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			10000	9800		mg/L		98	80 - 120		

Lab Sample ID: 660-94266-1 DU
Matrix: Water
Analysis Batch: 210112

Client Sample ID: AC80322 2MW 27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	430			438		mg/L				0.9	5.0

GC/MS VOA

Analysis Batch: 209620

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93978-1	AC79744 4MW 7	Total/NA	Water	8260B	
660-93978-2	AC79745 4MW 9	Total/NA	Water	8260B	
MB 660-209620/6	Method Blank	Total/NA	Water	8260B	
LCS 660-209620/4	Lab Control Sample	Total/NA	Water	8260B	
660-93827-D-6 MS	Matrix Spike	Total/NA	Water	8260B	
660-93827-D-5 DU	Duplicate	Total/NA	Water	8260B	

Analysis Batch: 209650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93980-1	AC79773 4MW 8	Total/NA	Water	8260B	
660-93980-2	AC79774 4MW 21	Total/NA	Water	8260B	
660-93980-3	AC79775 4MW 22	Total/NA	Water	8260B	
MB 660-209650/6	Method Blank	Total/NA	Water	8260B	
LCS 660-209650/4	Lab Control Sample	Total/NA	Water	8260B	
660-93980-2 MS	AC79774 4MW 21	Total/NA	Water	8260B	
660-93980-1 DU	AC79773 4MW 8	Total/NA	Water	8260B	

Analysis Batch: 209689

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93979-1	AC79825 4MW 11D	Total/NA	Water	8260B	
660-93979-2	AC79826 4MW 12D	Total/NA	Water	8260B	
660-93979-3	AC79827 4MW 14D	Total/NA	Water	8260B	
660-93979-4	AC79828 4MW 4	Total/NA	Water	8260B	
MB 660-209689/6	Method Blank	Total/NA	Water	8260B	
LCS 660-209689/4	Lab Control Sample	Total/NA	Water	8260B	
660-94031-E-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-94019-D-1 DU	Duplicate	Total/NA	Water	8260B	

Analysis Batch: 209745

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total/NA	Water	8260B	
660-93977-2	AC79883 2MW 19D	Total/NA	Water	8260B	
660-93977-3	AC79884 2MW 17S	Total/NA	Water	8260B	
660-93990-1	AC79968 2MW-26D	Total/NA	Water	8260B	
660-93990-2	AC79969 2MW-25D	Total/NA	Water	8260B	
MB 660-209745/8	Method Blank	Total/NA	Water	8260B	
LCS 660-209745/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 660-209745/6	Lab Control Sample Dup	Total/NA	Water	8260B	
660-93977-2 MS	AC79883 2MW 19D	Total/NA	Water	8260B	
660-93977-1 DU	AC79882 2MW 18D	Total/NA	Water	8260B	

Analysis Batch: 210006

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total/NA	Water	8260B	
660-94104-2	AC80088 4MW 3A	Total/NA	Water	8260B	
660-94119-1	AC79987 4MW 5	Total/NA	Water	8260B	
MB 660-210006/6	Method Blank	Total/NA	Water	8260B	
LCS 660-210006/4	Lab Control Sample	Total/NA	Water	8260B	
680-167863-B-26 MS	Matrix Spike	Total/NA	Water	8260B	
680-167863-C-26 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

GC/MS VOA

Analysis Batch: 210190

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total/NA	Water	8260B	
660-94266-2	AC80323 4MW 27	Total/NA	Water	8260B	
660-94268-1	AC80232 4MW 6	Total/NA	Water	8260B	
660-94269-1	AC80336 2MW 2	Total/NA	Water	8260B	
660-94269-2	AC80337 4MW 2	Total/NA	Water	8260B	
660-94269-3	AC80338 4MW 13D	Total/NA	Water	8260B	
MB 660-210190/6	Method Blank	Total/NA	Water	8260B	
LCS 660-210190/4	Lab Control Sample	Total/NA	Water	8260B	
660-94148-A-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-94148-F-3 DU	Duplicate	Total/NA	Water	8260B	

Analysis Batch: 210279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94274-1	AC80489 4MW 27D	Total/NA	Water	8260B	
660-94274-2	AC80490 2MW 15DA	Total/NA	Water	8260B	
MB 660-210279/7	Method Blank	Total/NA	Water	8260B	
LCS 660-210279/5	Lab Control Sample	Total/NA	Water	8260B	
680-168483-E-20 MS	Matrix Spike	Total/NA	Water	8260B	
680-168483-G-21 DU	Duplicate	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 568880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total/NA	Water	300.0-1993 R2.1	
660-93977-2	AC79883 2MW 19D	Total/NA	Water	300.0-1993 R2.1	
660-93977-3	AC79884 2MW 17S	Total/NA	Water	300.0-1993 R2.1	
660-93978-1	AC79744 4MW 7	Total/NA	Water	300.0-1993 R2.1	
660-93978-2	AC79745 4MW 9	Total/NA	Water	300.0-1993 R2.1	
660-93979-1	AC79825 4MW 11D	Total/NA	Water	300.0-1993 R2.1	
660-93979-2	AC79826 4MW 12D	Total/NA	Water	300.0-1993 R2.1	
660-93979-3	AC79827 4MW 14D	Total/NA	Water	300.0-1993 R2.1	
660-93979-4	AC79828 4MW 4	Total/NA	Water	300.0-1993 R2.1	
660-93980-1	AC79773 4MW 8	Total/NA	Water	300.0-1993 R2.1	
660-93980-2	AC79774 4MW 21	Total/NA	Water	300.0-1993 R2.1	
660-93980-3	AC79775 4MW 22	Total/NA	Water	300.0-1993 R2.1	
660-93990-1	AC79968 2MW-26D	Total/NA	Water	300.0-1993 R2.1	
660-93990-2	AC79969 2MW-25D	Total/NA	Water	300.0-1993 R2.1	
MB 680-568880/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-568880/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-568880/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-93977-3 MS	AC79884 2MW 17S	Total/NA	Water	300.0-1993 R2.1	
660-93977-3 MSD	AC79884 2MW 17S	Total/NA	Water	300.0-1993 R2.1	
680-168041-C-2 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-168041-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 569390

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total/NA	Water	300.0-1993 R2.1	
660-94104-2	AC80088 4MW 3A	Total/NA	Water	300.0-1993 R2.1	
660-94119-1	AC79987 4MW 5	Total/NA	Water	300.0-1993 R2.1	

HPLC/IC (Continued)

Analysis Batch: 569390 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-569390/79	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-569390/80	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-569390/81	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-168128-AA-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-168128-AA-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 569879

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total/NA	Water	300.0-1993 R2.1	
660-94266-2	AC80323 4MW 27	Total/NA	Water	300.0-1993 R2.1	
660-94268-1	AC80232 4MW 6	Total/NA	Water	300.0-1993 R2.1	
660-94269-1	AC80336 2MW 2	Total/NA	Water	300.0-1993 R2.1	
660-94269-2	AC80337 4MW 2	Total/NA	Water	300.0-1993 R2.1	
660-94269-3	AC80338 4MW 13D	Total/NA	Water	300.0-1993 R2.1	
660-94274-1	AC80489 4MW 27D	Total/NA	Water	300.0-1993 R2.1	
660-94274-2	AC80490 2MW 15DA	Total/NA	Water	300.0-1993 R2.1	
MB 680-569879/70	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-569879/71	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-569879/72	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-94252-B-6 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
660-94252-B-6 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 209631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total Recoverable	Water	3005A	
660-93977-2	AC79883 2MW 19D	Total Recoverable	Water	3005A	
660-93977-3	AC79884 2MW 17S	Total Recoverable	Water	3005A	
660-93978-1	AC79744 4MW 7	Total Recoverable	Water	3005A	
660-93978-2	AC79745 4MW 9	Total Recoverable	Water	3005A	
660-93979-1	AC79825 4MW 11D	Total Recoverable	Water	3005A	
660-93979-2	AC79826 4MW 12D	Total Recoverable	Water	3005A	
660-93979-3	AC79827 4MW 14D	Total Recoverable	Water	3005A	
660-93979-4	AC79828 4MW 4	Total Recoverable	Water	3005A	
660-93980-1	AC79773 4MW 8	Total Recoverable	Water	3005A	
660-93980-2	AC79774 4MW 21	Total Recoverable	Water	3005A	
660-93980-3	AC79775 4MW 22	Total Recoverable	Water	3005A	
660-93990-1	AC79968 2MW-26D	Total Recoverable	Water	3005A	
660-93990-2	AC79969 2MW-25D	Total Recoverable	Water	3005A	
MB 660-209631/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-209631/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-93977-1 MS	AC79882 2MW 18D	Total Recoverable	Water	3005A	
660-93977-1 MSD	AC79882 2MW 18D	Total Recoverable	Water	3005A	

Analysis Batch: 209688

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total Recoverable	Water	6010D	209631
660-93977-2	AC79883 2MW 19D	Total Recoverable	Water	6010D	209631
660-93977-3	AC79884 2MW 17S	Total Recoverable	Water	6010D	209631
660-93978-1	AC79744 4MW 7	Total Recoverable	Water	6010D	209631

Metals (Continued)

Analysis Batch: 209688 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93978-2	AC79745 4MW 9	Total Recoverable	Water	6010D	209631
660-93979-1	AC79825 4MW 11D	Total Recoverable	Water	6010D	209631
660-93979-2	AC79826 4MW 12D	Total Recoverable	Water	6010D	209631
660-93979-3	AC79827 4MW 14D	Total Recoverable	Water	6010D	209631
660-93979-4	AC79828 4MW 4	Total Recoverable	Water	6010D	209631
660-93980-1	AC79773 4MW 8	Total Recoverable	Water	6010D	209631
660-93980-2	AC79774 4MW 21	Total Recoverable	Water	6010D	209631
660-93980-3	AC79775 4MW 22	Total Recoverable	Water	6010D	209631
660-93990-1	AC79968 2MW-26D	Total Recoverable	Water	6010D	209631
660-93990-2	AC79969 2MW-25D	Total Recoverable	Water	6010D	209631
MB 660-209631/1-A	Method Blank	Total Recoverable	Water	6010D	209631
LCS 660-209631/2-A	Lab Control Sample	Total Recoverable	Water	6010D	209631
660-93977-1 MS	AC79882 2MW 18D	Total Recoverable	Water	6010D	209631
660-93977-1 MSD	AC79882 2MW 18D	Total Recoverable	Water	6010D	209631

Prep Batch: 209708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total/NA	Water	7470A	
660-93977-2	AC79883 2MW 19D	Total/NA	Water	7470A	
660-93977-3	AC79884 2MW 17S	Total/NA	Water	7470A	
660-93978-1	AC79744 4MW 7	Total/NA	Water	7470A	
660-93978-2	AC79745 4MW 9	Total/NA	Water	7470A	
660-93979-1	AC79825 4MW 11D	Total/NA	Water	7470A	
660-93979-2	AC79826 4MW 12D	Total/NA	Water	7470A	
660-93979-3	AC79827 4MW 14D	Total/NA	Water	7470A	
660-93979-4	AC79828 4MW 4	Total/NA	Water	7470A	
660-93980-1	AC79773 4MW 8	Total/NA	Water	7470A	
660-93980-2	AC79774 4MW 21	Total/NA	Water	7470A	
660-93980-3	AC79775 4MW 22	Total/NA	Water	7470A	
660-93990-1	AC79968 2MW-26D	Total/NA	Water	7470A	
660-93990-2	AC79969 2MW-25D	Total/NA	Water	7470A	
MB 660-209708/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-209708/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-93977-1 MS	AC79882 2MW 18D	Total/NA	Water	7470A	
660-93977-1 MSD	AC79882 2MW 18D	Total/NA	Water	7470A	

Analysis Batch: 209721

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total/NA	Water	7470A	209708
660-93977-2	AC79883 2MW 19D	Total/NA	Water	7470A	209708
660-93977-3	AC79884 2MW 17S	Total/NA	Water	7470A	209708
660-93978-1	AC79744 4MW 7	Total/NA	Water	7470A	209708
660-93978-2	AC79745 4MW 9	Total/NA	Water	7470A	209708
660-93979-1	AC79825 4MW 11D	Total/NA	Water	7470A	209708
660-93979-2	AC79826 4MW 12D	Total/NA	Water	7470A	209708
660-93979-3	AC79827 4MW 14D	Total/NA	Water	7470A	209708
660-93979-4	AC79828 4MW 4	Total/NA	Water	7470A	209708
660-93980-1	AC79773 4MW 8	Total/NA	Water	7470A	209708
660-93980-2	AC79774 4MW 21	Total/NA	Water	7470A	209708
660-93980-3	AC79775 4MW 22	Total/NA	Water	7470A	209708
660-93990-1	AC79968 2MW-26D	Total/NA	Water	7470A	209708

Metals (Continued)

Analysis Batch: 209721 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93990-2	AC79969 2MW-25D	Total/NA	Water	7470A	209708
MB 660-209708/13-A	Method Blank	Total/NA	Water	7470A	209708
LCS 660-209708/14-A	Lab Control Sample	Total/NA	Water	7470A	209708
660-93977-1 MS	AC79882 2MW 18D	Total/NA	Water	7470A	209708
660-93977-1 MSD	AC79882 2MW 18D	Total/NA	Water	7470A	209708

Analysis Batch: 209776

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total Recoverable	Water	6010D	209631
660-93977-2	AC79883 2MW 19D	Total Recoverable	Water	6010D	209631
660-93977-3	AC79884 2MW 17S	Total Recoverable	Water	6010D	209631
660-93978-1	AC79744 4MW 7	Total Recoverable	Water	6010D	209631
660-93978-2	AC79745 4MW 9	Total Recoverable	Water	6010D	209631
660-93979-1	AC79825 4MW 11D	Total Recoverable	Water	6010D	209631
660-93979-2	AC79826 4MW 12D	Total Recoverable	Water	6010D	209631
660-93979-3	AC79827 4MW 14D	Total Recoverable	Water	6010D	209631
660-93979-4	AC79828 4MW 4	Total Recoverable	Water	6010D	209631
660-93980-1	AC79773 4MW 8	Total Recoverable	Water	6010D	209631
660-93980-2	AC79774 4MW 21	Total Recoverable	Water	6010D	209631
660-93980-3	AC79775 4MW 22	Total Recoverable	Water	6010D	209631
660-93990-1	AC79968 2MW-26D	Total Recoverable	Water	6010D	209631
660-93990-2	AC79969 2MW-25D	Total Recoverable	Water	6010D	209631
MB 660-209631/1-A	Method Blank	Total Recoverable	Water	6010D	209631
LCS 660-209631/2-A	Lab Control Sample	Total Recoverable	Water	6010D	209631
660-93977-1 MS	AC79882 2MW 18D	Total Recoverable	Water	6010D	209631
660-93977-1 MSD	AC79882 2MW 18D	Total Recoverable	Water	6010D	209631

Prep Batch: 209846

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total Recoverable	Water	3005A	
660-94104-2	AC80088 4MW 3A	Total Recoverable	Water	3005A	
660-94119-1	AC79987 4MW 5	Total Recoverable	Water	3005A	
MB 660-209846/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-209846/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
LCSD 660-209846/3-A	Lab Control Sample Dup	Total Recoverable	Water	3005A	
660-94128-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
660-94128-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 209860

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total Recoverable	Water	6010D	209846
660-94104-2	AC80088 4MW 3A	Total Recoverable	Water	6010D	209846
660-94119-1	AC79987 4MW 5	Total Recoverable	Water	6010D	209846
MB 660-209846/1-A	Method Blank	Total Recoverable	Water	6010D	209846
LCS 660-209846/2-A	Lab Control Sample	Total Recoverable	Water	6010D	209846
LCSD 660-209846/3-A	Lab Control Sample Dup	Total Recoverable	Water	6010D	209846
660-94128-C-1-B MS	Matrix Spike	Total Recoverable	Water	6010D	209846
660-94128-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	209846

Metals

Prep Batch: 210012

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total/NA	Water	7470A	
660-94104-2	AC80088 4MW 3A	Total/NA	Water	7470A	
660-94119-1	AC79987 4MW 5	Total/NA	Water	7470A	
MB 660-210012/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-210012/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-94144-B-4-C MS	Matrix Spike	Total/NA	Water	7470A	
660-94144-B-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 210040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total/NA	Water	7470A	210012
660-94104-2	AC80088 4MW 3A	Total/NA	Water	7470A	210012
660-94119-1	AC79987 4MW 5	Total/NA	Water	7470A	210012
MB 660-210012/13-A	Method Blank	Total/NA	Water	7470A	210012
LCS 660-210012/14-A	Lab Control Sample	Total/NA	Water	7470A	210012
660-94144-B-4-C MS	Matrix Spike	Total/NA	Water	7470A	210012
660-94144-B-4-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	210012

Prep Batch: 210117

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total Recoverable	Water	3005A	
660-94266-2	AC80323 4MW 27	Total Recoverable	Water	3005A	
660-94268-1	AC80232 4MW 6	Total Recoverable	Water	3005A	
660-94269-1	AC80336 2MW 2	Total Recoverable	Water	3005A	
660-94269-2	AC80337 4MW 2	Total Recoverable	Water	3005A	
660-94269-3	AC80338 4MW 13D	Total Recoverable	Water	3005A	
660-94274-1	AC80489 4MW 27D	Total Recoverable	Water	3005A	
660-94274-2	AC80490 2MW 15DA	Total Recoverable	Water	3005A	
MB 660-210117/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-210117/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-94266-1 MS	AC80322 2MW 27D	Total Recoverable	Water	3005A	
660-94266-1 MSD	AC80322 2MW 27D	Total Recoverable	Water	3005A	

Analysis Batch: 210134

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total Recoverable	Water	6010D	210117
660-94266-2	AC80323 4MW 27	Total Recoverable	Water	6010D	210117
660-94268-1	AC80232 4MW 6	Total Recoverable	Water	6010D	210117
660-94269-1	AC80336 2MW 2	Total Recoverable	Water	6010D	210117
660-94269-2	AC80337 4MW 2	Total Recoverable	Water	6010D	210117
660-94269-3	AC80338 4MW 13D	Total Recoverable	Water	6010D	210117
660-94274-1	AC80489 4MW 27D	Total Recoverable	Water	6010D	210117
660-94274-2	AC80490 2MW 15DA	Total Recoverable	Water	6010D	210117
MB 660-210117/1-A	Method Blank	Total Recoverable	Water	6010D	210117
LCS 660-210117/2-A	Lab Control Sample	Total Recoverable	Water	6010D	210117
660-94266-1 MS	AC80322 2MW 27D	Total Recoverable	Water	6010D	210117
660-94266-1 MSD	AC80322 2MW 27D	Total Recoverable	Water	6010D	210117

Prep Batch: 210197

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 210197 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-2	AC80323 4MW 27	Total/NA	Water	7470A	
660-94268-1	AC80232 4MW 6	Total/NA	Water	7470A	
660-94269-1	AC80336 2MW 2	Total/NA	Water	7470A	
660-94269-2	AC80337 4MW 2	Total/NA	Water	7470A	
660-94269-3	AC80338 4MW 13D	Total/NA	Water	7470A	
660-94274-1	AC80489 4MW 27D	Total/NA	Water	7470A	
660-94274-2	AC80490 2MW 15DA	Total/NA	Water	7470A	
MB 660-210197/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-210197/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-94227-K-1-C MS	Matrix Spike	Total/NA	Water	7470A	
660-94227-K-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 210207

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total/NA	Water	7470A	210197
660-94266-2	AC80323 4MW 27	Total/NA	Water	7470A	210197
660-94268-1	AC80232 4MW 6	Total/NA	Water	7470A	210197
660-94269-1	AC80336 2MW 2	Total/NA	Water	7470A	210197
660-94269-2	AC80337 4MW 2	Total/NA	Water	7470A	210197
660-94269-3	AC80338 4MW 13D	Total/NA	Water	7470A	210197
660-94274-1	AC80489 4MW 27D	Total/NA	Water	7470A	210197
660-94274-2	AC80490 2MW 15DA	Total/NA	Water	7470A	210197
MB 660-210197/13-A	Method Blank	Total/NA	Water	7470A	210197
LCS 660-210197/14-A	Lab Control Sample	Total/NA	Water	7470A	210197
660-94227-K-1-C MS	Matrix Spike	Total/NA	Water	7470A	210197
660-94227-K-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	210197

General Chemistry

Analysis Batch: 209557

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93978-1	AC79744 4MW 7	Total/NA	Water	SM 2540C	
660-93978-2	AC79745 4MW 9	Total/NA	Water	SM 2540C	
660-93980-1	AC79773 4MW 8	Total/NA	Water	SM 2540C	
660-93980-2	AC79774 4MW 21	Total/NA	Water	SM 2540C	
660-93980-3	AC79775 4MW 22	Total/NA	Water	SM 2540C	
MB 660-209557/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-209557/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-93978-2 DU	AC79745 4MW 9	Total/NA	Water	SM 2540C	

Analysis Batch: 209642

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93979-1	AC79825 4MW 11D	Total/NA	Water	SM 2540C	
660-93979-2	AC79826 4MW 12D	Total/NA	Water	SM 2540C	
660-93979-3	AC79827 4MW 14D	Total/NA	Water	SM 2540C	
660-93979-4	AC79828 4MW 4	Total/NA	Water	SM 2540C	
MB 660-209642/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-209642/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-93979-4 DU	AC79828 4MW 4	Total/NA	Water	SM 2540C	

General Chemistry

Analysis Batch: 209658

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total/NA	Water	SM 2540C	
660-93977-2	AC79883 2MW 19D	Total/NA	Water	SM 2540C	
660-93977-3	AC79884 2MW 17S	Total/NA	Water	SM 2540C	
660-93990-1	AC79968 2MW-26D	Total/NA	Water	SM 2540C	
660-93990-2	AC79969 2MW-25D	Total/NA	Water	SM 2540C	
MB 660-209658/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-209658/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-93977-1 DU	AC79882 2MW 18D	Total/NA	Water	SM 2540C	
660-93990-2 DU	AC79969 2MW-25D	Total/NA	Water	SM 2540C	

Analysis Batch: 209880

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total/NA	Water	SM 2540C	
660-94104-2	AC80088 4MW 3A	Total/NA	Water	SM 2540C	
660-94119-1	AC79987 4MW 5	Total/NA	Water	SM 2540C	
MB 660-209880/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-209880/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-94098-P-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 210112

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total/NA	Water	SM 2540C	
660-94266-2	AC80323 4MW 27	Total/NA	Water	SM 2540C	
660-94268-1	AC80232 4MW 6	Total/NA	Water	SM 2540C	
660-94269-1	AC80336 2MW 2	Total/NA	Water	SM 2540C	
660-94269-2	AC80337 4MW 2	Total/NA	Water	SM 2540C	
660-94269-3	AC80338 4MW 13D	Total/NA	Water	SM 2540C	
660-94274-1	AC80489 4MW 27D	Total/NA	Water	SM 2540C	
660-94274-2	AC80490 2MW 15DA	Total/NA	Water	SM 2540C	
MB 660-210112/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-210112/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-94266-1 DU	AC80322 2MW 27D	Total/NA	Water	SM 2540C	

Analysis Batch: 567133

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93979-2	AC79826 4MW 12D	Total/NA	Water	353.2-1993 R2.0	
660-93979-3	AC79827 4MW 14D	Total/NA	Water	353.2-1993 R2.0	
660-93979-4	AC79828 4MW 4	Total/NA	Water	353.2-1993 R2.0	
660-93980-1	AC79773 4MW 8	Total/NA	Water	353.2-1993 R2.0	
660-93980-2	AC79774 4MW 21	Total/NA	Water	353.2-1993 R2.0	
MB 680-567133/13	Method Blank	Total/NA	Water	353.2-1993 R2.0	
LCS 680-567133/16	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
660-93972-A-6 MS	Matrix Spike	Total/NA	Water	353.2-1993 R2.0	
660-93972-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2-1993 R2.0	
680-167755-B-4 MS	Matrix Spike	Total/NA	Water	353.2-1993 R2.0	
680-167755-B-4 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2-1993 R2.0	

Analysis Batch: 567143

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93980-3	AC79775 4MW 22	Total/NA	Water	353.2-1993 R2.0	
MB 680-567143/12	Method Blank	Total/NA	Water	353.2-1993 R2.0	

General Chemistry (Continued)

Analysis Batch: 567143 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-567143/16	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
680-167869-B-1 MS	Matrix Spike	Total/NA	Water	353.2-1993 R2.0	
680-167869-B-1 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2-1993 R2.0	

Analysis Batch: 567192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total/NA	Water	353.2-1993 R2.0	
660-93977-2	AC79883 2MW 19D	Total/NA	Water	353.2-1993 R2.0	
660-93977-3	AC79884 2MW 17S	Total/NA	Water	353.2-1993 R2.0	
660-93978-1	AC79744 4MW 7	Total/NA	Water	353.2-1993 R2.0	
660-93978-2	AC79745 4MW 9	Total/NA	Water	353.2-1993 R2.0	
660-93979-1	AC79825 4MW 11D	Total/NA	Water	353.2-1993 R2.0	
MB 680-567192/13	Method Blank	Total/NA	Water	353.2-1993 R2.0	
LCS 680-567192/16	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
660-93972-A-15 MS	Matrix Spike	Total/NA	Water	353.2-1993 R2.0	
660-93972-A-15 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2-1993 R2.0	
680-167889-I-1 MS	Matrix Spike	Total/NA	Water	353.2-1993 R2.0	
680-167889-I-1 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2-1993 R2.0	

Analysis Batch: 567519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93990-1	AC79968 2MW-26D	Total/NA	Water	353.2-1993 R2.0	
660-93990-2	AC79969 2MW-25D	Total/NA	Water	353.2-1993 R2.0	
MB 680-567519/13	Method Blank	Total/NA	Water	353.2-1993 R2.0	
LCS 680-567519/16	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
660-93990-1 MS	AC79968 2MW-26D	Total/NA	Water	353.2-1993 R2.0	
660-93990-1 MSD	AC79968 2MW-26D	Total/NA	Water	353.2-1993 R2.0	

Analysis Batch: 567585

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-93977-1	AC79882 2MW 18D	Total/NA	Water	350.1-1993 R2.0	
660-93977-2	AC79883 2MW 19D	Total/NA	Water	350.1-1993 R2.0	
660-93977-3	AC79884 2MW 17S	Total/NA	Water	350.1-1993 R2.0	
660-93978-1	AC79744 4MW 7	Total/NA	Water	350.1-1993 R2.0	
660-93978-2	AC79745 4MW 9	Total/NA	Water	350.1-1993 R2.0	
660-93979-1	AC79825 4MW 11D	Total/NA	Water	350.1-1993 R2.0	
660-93979-2	AC79826 4MW 12D	Total/NA	Water	350.1-1993 R2.0	
660-93979-3	AC79827 4MW 14D	Total/NA	Water	350.1-1993 R2.0	
660-93979-4	AC79828 4MW 4	Total/NA	Water	350.1-1993 R2.0	
660-93980-1	AC79773 4MW 8	Total/NA	Water	350.1-1993 R2.0	
660-93980-2	AC79774 4MW 21	Total/NA	Water	350.1-1993 R2.0	
660-93980-3	AC79775 4MW 22	Total/NA	Water	350.1-1993 R2.0	
660-93990-1	AC79968 2MW-26D	Total/NA	Water	350.1-1993 R2.0	
660-93990-2	AC79969 2MW-25D	Total/NA	Water	350.1-1993 R2.0	
MB 680-567585/12	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-567585/13	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-93977-1 MS	AC79882 2MW 18D	Total/NA	Water	350.1-1993 R2.0	
660-93977-1 MSD	AC79882 2MW 18D	Total/NA	Water	350.1-1993 R2.0	
660-93977-2 MS	AC79883 2MW 19D	Total/NA	Water	350.1-1993 R2.0	
660-93977-2 MSD	AC79883 2MW 19D	Total/NA	Water	350.1-1993 R2.0	

General Chemistry

Analysis Batch: 568126

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total/NA	Water	353.2-1993 R2.0	
660-94104-2	AC80088 4MW 3A	Total/NA	Water	353.2-1993 R2.0	
660-94119-1	AC79987 4MW 5	Total/NA	Water	353.2-1993 R2.0	
MB 680-568126/12	Method Blank	Total/NA	Water	353.2-1993 R2.0	
LCS 680-568126/16	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
680-168172-H-2 MS	Matrix Spike	Total/NA	Water	353.2-1993 R2.0	
680-168172-H-2 MSD	Matrix Spike Duplicate	Total/NA	Water	353.2-1993 R2.0	

Analysis Batch: 568551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94104-1	AC80087 4MW 1	Total/NA	Water	350.1-1993 R2.0	
660-94104-2	AC80088 4MW 3A	Total/NA	Water	350.1-1993 R2.0	
660-94119-1	AC79987 4MW 5	Total/NA	Water	350.1-1993 R2.0	
MB 680-568551/12	Method Blank	Total/NA	Water	350.1-1993 R2.0	
MB 680-568551/28	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-568551/11	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCS 680-568551/29	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-93953-E-4 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
660-93953-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	
660-94002-E-5 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
660-94002-E-5 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	
660-94008-F-15 DU	Duplicate	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 569392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total/NA	Water	353.2-1993 R2.0	
660-94266-2	AC80323 4MW 27	Total/NA	Water	353.2-1993 R2.0	
660-94268-1	AC80232 4MW 6	Total/NA	Water	353.2-1993 R2.0	
660-94269-1	AC80336 2MW 2	Total/NA	Water	353.2-1993 R2.0	
660-94269-2	AC80337 4MW 2	Total/NA	Water	353.2-1993 R2.0	
660-94269-3	AC80338 4MW 13D	Total/NA	Water	353.2-1993 R2.0	
660-94274-1	AC80489 4MW 27D	Total/NA	Water	353.2-1993 R2.0	
660-94274-2	AC80490 2MW 15DA	Total/NA	Water	353.2-1993 R2.0	
MB 680-569392/13	Method Blank	Total/NA	Water	353.2-1993 R2.0	
LCS 680-569392/16	Lab Control Sample	Total/NA	Water	353.2-1993 R2.0	
660-94266-2 MS	AC80323 4MW 27	Total/NA	Water	353.2-1993 R2.0	
660-94266-2 MSD	AC80323 4MW 27	Total/NA	Water	353.2-1993 R2.0	

Analysis Batch: 569444

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-94266-1	AC80322 2MW 27D	Total/NA	Water	350.1-1993 R2.0	
660-94266-2	AC80323 4MW 27	Total/NA	Water	350.1-1993 R2.0	
660-94268-1	AC80232 4MW 6	Total/NA	Water	350.1-1993 R2.0	
660-94269-1	AC80336 2MW 2	Total/NA	Water	350.1-1993 R2.0	
660-94269-2	AC80337 4MW 2	Total/NA	Water	350.1-1993 R2.0	
660-94269-3	AC80338 4MW 13D	Total/NA	Water	350.1-1993 R2.0	
660-94274-1	AC80489 4MW 27D	Total/NA	Water	350.1-1993 R2.0	
660-94274-2	AC80490 2MW 15DA	Total/NA	Water	350.1-1993 R2.0	
MB 680-569444/12	Method Blank	Total/NA	Water	350.1-1993 R2.0	
MB 680-569444/44	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-569444/13	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	

General Chemistry (Continued)

Analysis Batch: 569444 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-569444/45	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-94266-1 MS	AC80322 2MW 27D	Total/NA	Water	350.1-1993 R2.0	
660-94266-1 MSD	AC80322 2MW 27D	Total/NA	Water	350.1-1993 R2.0	
660-94266-2 MS	AC80323 4MW 27	Total/NA	Water	350.1-1993 R2.0	
660-94266-2 MSD	AC80323 4MW 27	Total/NA	Water	350.1-1993 R2.0	
680-168213-A-5 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
680-168213-A-5 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	

Client Sample ID: AC79882 2MW 18D

Lab Sample ID: 660-93977-1

Date Collected: 04/16/19 09:00

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209745	04/24/19 12:49	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 20:32	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 09:32	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 09:32	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:25	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:50	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567192	04/20/19 10:43	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209658	04/22/19 12:32	SGF	TAL TAM

Client Sample ID: AC79883 2MW 19D

Lab Sample ID: 660-93977-2

Date Collected: 04/16/19 10:16

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209745	04/24/19 13:26	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 20:45	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 09:44	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 09:44	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:30	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:50	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567192	04/20/19 10:42	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209658	04/22/19 12:32	SGF	TAL TAM

Client Sample ID: AC79884 2MW 17S

Lab Sample ID: 660-93977-3

Date Collected: 04/16/19 13:19

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209745	04/24/19 14:22	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 20:57	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 09:47	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 09:47	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:32	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:50	AMH	TAL SAV

Lab Chronicle

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79884 2MW 17S

Lab Sample ID: 660-93977-3

Date Collected: 04/16/19 13:19
Matrix: Water
Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2-1993 R2.0		25	2 mL	2 mL	567192	04/20/19 10:49	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209658	04/22/19 12:32	SGF	TAL TAM

Client Sample ID: AC79744 4MW 7

Lab Sample ID: 660-93978-1

Date Collected: 04/11/19 11:11
Matrix: Water
Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209620	04/20/19 17:40	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 21:34	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 09:51	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 09:51	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:36	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:58	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567192	04/20/19 10:53	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209557	04/18/19 14:17	SGF	TAL TAM

Client Sample ID: AC79745 4MW 9

Lab Sample ID: 660-93978-2

Date Collected: 04/11/19 14:50
Matrix: Water
Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209620	04/20/19 18:01	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 21:47	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:00	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:00	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:41	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:58	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567192	04/20/19 10:52	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209557	04/18/19 13:17	SGF	TAL TAM

Client Sample ID: AC79825 4MW 11D

Lab Sample ID: 660-93979-1

Date Collected: 04/15/19 09:14
Matrix: Water
Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209689	04/23/19 16:26	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 21:59	UI	TAL SAV

Client Sample ID: AC79825 4MW 11D

Lab Sample ID: 660-93979-1

Date Collected: 04/15/19 09:14

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:03	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:03	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:43	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:58	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567192	04/20/19 11:03	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209642	04/22/19 07:24	SGF	TAL TAM

Client Sample ID: AC79826 4MW 12D

Lab Sample ID: 660-93979-2

Date Collected: 04/15/19 10:02

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209689	04/23/19 16:44	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 22:11	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:06	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:06	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:45	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:58	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567133	04/19/19 11:43	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209642	04/22/19 07:24	SGF	TAL TAM

Client Sample ID: AC79827 4MW 14D

Lab Sample ID: 660-93979-3

Date Collected: 04/15/19 11:12

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209689	04/23/19 17:03	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 22:24	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:09	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:09	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:46	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:32	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567133	04/19/19 11:44	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209642	04/22/19 07:24	SGF	TAL TAM

Client Sample ID: AC79828 4MW 4

Lab Sample ID: 660-93979-4

Date Collected: 04/15/19 14:08

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209689	04/23/19 17:21	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/02/19 22:36	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:13	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:13	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:48	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:41	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567133	04/19/19 12:10	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209642	04/22/19 07:24	SGF	TAL TAM

Client Sample ID: AC79773 4MW 8

Lab Sample ID: 660-93980-1

Date Collected: 04/12/19 09:38

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209650	04/22/19 12:09	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/03/19 00:28	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:16	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:16	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:50	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:41	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567133	04/19/19 12:08	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209557	04/18/19 15:00	SGF	TAL TAM

Client Sample ID: AC79774 4MW 21

Lab Sample ID: 660-93980-2

Date Collected: 04/12/19 10:24

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209650	04/22/19 12:46	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/03/19 00:40	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:19	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:19	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:52	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:41	AMH	TAL SAV

Client Sample ID: AC79774 4MW 21

Lab Sample ID: 660-93980-2

Date Collected: 04/12/19 10:24

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	353.2-1993 R2.0		10	2 mL	2 mL	567133	04/19/19 12:09	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	100 mL	50 mL	209557	04/18/19 15:00	SGF	TAL TAM

Client Sample ID: AC79775 4MW 22

Lab Sample ID: 660-93980-3

Date Collected: 04/12/19 13:11

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209650	04/22/19 14:01	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/03/19 00:53	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:22	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:22	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:54	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:41	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567143	04/19/19 13:09	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209557	04/18/19 15:00	SGF	TAL TAM

Client Sample ID: AC79968 2MW-26D

Lab Sample ID: 660-93990-1

Date Collected: 04/17/19 09:42

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209745	04/24/19 14:40	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/03/19 01:05	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:26	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:26	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:55	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:41	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	567519	04/23/19 12:25	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209658	04/22/19 12:32	SGF	TAL TAM

Client Sample ID: AC79969 2MW-25D

Lab Sample ID: 660-93990-2

Date Collected: 04/17/19 10:34

Matrix: Water

Date Received: 04/18/19 10:34

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	209745	04/24/19 14:59	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	568880	05/03/19 01:18	UI	TAL SAV

Lab Chronicle

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79969 2MW-25D

Lab Sample ID: 660-93990-2

Date Collected: 04/17/19 10:34
Date Received: 04/18/19 10:34

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209688	04/23/19 10:29	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	50 mL	209631	04/22/19 06:30	GH1	TAL TAM
Total Recoverable	Analysis	6010D		1			209776	04/23/19 10:29	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	209708	04/23/19 12:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			209721	04/23/19 16:57	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	567585	04/23/19 15:41	AMH	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		2	2 mL	2 mL	567519	04/23/19 12:29	EJP	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	50 mL	209658	04/22/19 12:32	SGF	TAL TAM

Client Sample ID: AC80087 4MW 1

Lab Sample ID: 660-94104-1

Date Collected: 04/22/19 11:32
Date Received: 04/25/19 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210006	05/01/19 16:21	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569390	05/08/19 00:45	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209846	04/26/19 07:01	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			209860	04/26/19 13:50	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210012	05/01/19 08:00	GAF	TAL TAM
Total/NA	Analysis	7470A		1			210040	05/01/19 14:30	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	568551	04/30/19 14:40	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	568126	04/27/19 11:04	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	209880	04/26/19 12:45	SGF	TAL TAM

Client Sample ID: AC80088 4MW 3A

Lab Sample ID: 660-94104-2

Date Collected: 04/22/19 13:45
Date Received: 04/25/19 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210006	05/01/19 16:43	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569390	05/08/19 00:58	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209846	04/26/19 07:01	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			209860	04/26/19 13:54	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210012	05/01/19 08:28	GAF	TAL TAM
Total/NA	Analysis	7470A		1			210040	05/01/19 14:32	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	568551	04/30/19 14:40	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	568126	04/27/19 11:05	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	209880	04/26/19 12:45	SGF	TAL TAM

Lab Chronicle

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC79987 4MW 5

Lab Sample ID: 660-94119-1

Date Collected: 04/18/19 11:44
Date Received: 04/25/19 11:30

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210006	05/01/19 15:59	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569390	05/08/19 01:11	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	209846	04/26/19 07:01	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			209860	04/26/19 13:44	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210012	05/01/19 08:28	GAF	TAL TAM
Total/NA	Analysis	7470A		1			210040	05/01/19 14:37	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	568551	04/30/19 14:12	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	568126	04/27/19 11:07	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	209880	04/26/19 12:45	SGF	TAL TAM

Client Sample ID: AC80322 2MW 27D

Lab Sample ID: 660-94266-1

Date Collected: 04/29/19 10:02
Date Received: 05/02/19 11:56

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210190	05/06/19 21:11	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 20:31	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 16:38	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 18:47	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 14:08	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		2	2 mL	2 mL	569392	05/07/19 13:58	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Client Sample ID: AC80323 4MW 27

Lab Sample ID: 660-94266-2

Date Collected: 04/29/19 12:02
Date Received: 05/02/19 11:56

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210190	05/06/19 21:32	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 20:44	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 16:50	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 18:48	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 14:08	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	569392	05/07/19 13:52	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Lab Chronicle

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Client Sample ID: AC80232 4MW 6

Date Collected: 04/25/19 13:02
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94268-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210190	05/06/19 20:50	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 20:56	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 16:53	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 18:50	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 14:08	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	569392	05/07/19 14:05	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Client Sample ID: AC80336 2MW 2

Date Collected: 04/30/19 09:42
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-1

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210190	05/06/19 21:53	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 21:09	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 16:56	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 18:52	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 14:08	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		10	2 mL	2 mL	569392	05/07/19 14:01	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	100 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Client Sample ID: AC80337 4MW 2

Date Collected: 04/30/19 11:14
Date Received: 05/02/19 11:56

Lab Sample ID: 660-94269-2

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210190	05/06/19 22:14	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 21:22	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 17:05	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 18:54	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 14:03	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	569392	05/07/19 14:02	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Client Sample ID: AC80338 4MW 13D

Lab Sample ID: 660-94269-3

Date Collected: 04/30/19 13:50

Matrix: Water

Date Received: 05/02/19 11:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210190	05/06/19 22:35	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 21:34	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 17:09	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 18:56	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 12:25	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	569392	05/07/19 14:04	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Client Sample ID: AC80489 4MW 27D

Lab Sample ID: 660-94274-1

Date Collected: 05/01/19 12:17

Matrix: Water

Date Received: 05/02/19 11:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210279	05/08/19 13:27	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 21:47	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 17:12	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 18:57	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 12:25	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	569392	05/07/19 13:59	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Client Sample ID: AC80490 2MW 15DA

Lab Sample ID: 660-94274-2

Date Collected: 05/01/19 14:04

Matrix: Water

Date Received: 05/02/19 11:56

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	5 mL	5 mL	210279	05/08/19 13:48	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	569879	05/10/19 22:00	KDM	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	210117	05/03/19 09:38	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			210134	05/03/19 17:15	GAF	TAL TAM
Total/NA	Prep	7470A			25 mL	35 mL	210197	05/06/19 12:50	GH1	TAL TAM
Total/NA	Analysis	7470A		1			210207	05/06/19 19:03	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	569444	05/07/19 12:25	ALG	TAL SAV
Total/NA	Analysis	353.2-1993 R2.0		1	2 mL	2 mL	569392	05/07/19 14:00	AMH	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	210112	05/03/19 09:22	SGF	TAL TAM

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Method Summary

Client: Pasco Co Board of Commissioners
Project/Site: Resource Recovery

Job ID: 660-93977-1

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL TAM
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	TAL SAV
6010D	Metals (ICP)	SW846	TAL TAM
7470A	Mercury (CVAA)	SW846	TAL TAM
350.1-1993 R2.0	Nitrogen, Ammonia	MCAWW	TAL SAV
353.2-1993 R2.0	Nitrogen, Nitrate-Nitrite	MCAWW	TAL SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL TAM
5030B	Purge and Trap	SW846	TAL TAM
7470A	Preparation, Mercury	SW846	TAL TAM

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater"
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858
TAL TAM = Eurofins TestAmerica, Tampa, 6712 Benjamin Road, Suite 100, Tampa, FL 33634, TEL (813)885-7427

Accreditation/Certification Summary

Client: Pasco Co Board of Commissioners
Job ID: 660-93977-1
Project/Site: Resource Recovery

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E84282	06-30-19

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	EPA Region	Identification Number	Expiration Date
Florida	NELAP	4	E87052	06-30-19 *

* Accreditation/Certification renewal pending - accreditation/certification considered valid.

CHAIN OF CUSTODY RECORD

Pas[illegible] County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

Pag[illegible] 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 13.1 ° C (or Received on Ice (ROI)
Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENV LAB — Address: — Phone: ( )
City: State Zip Code — Fax: ( )
2. Report to: (if different from above) CANDIA MULHERN — Address: — Phone: ( )
City State Zip Code — Fax: ( )
3. Client Project Name: RES REC
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Shipping Method COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	11. Leachate	11. Soil	11. Sludge	11. Other	12. No. of Containers	13. Preservatives	14. Containers	15. Analyses Requested	16. REMARK	For Lab Use Only LAB SAMPLE NO.
													H	V	APPENDIX I		
													N	P	FE, HS, NA		
													S	P	NO3		
													S	P	NH3		
													C	P	CL		
													C	P	TDS		
1.	AC79882	2MW18D	4-16-19	9:00		✓	GW					11	✓	✓	✓	✓	✓	✓					Samples
2.	AC79883	2MW19D	4-16-19	10:16		✓	GW					11	✓	✓	✓	✓	✓	✓					being sent
3.	AC79884	2MW17S	4-16-19	13:19		✓	GW					11	✓	✓	✓	✓	✓	✓					to Test
4.																							America on
5.																							4/18/19.
6.																							
7.																							
8.																							
9.																							
10.																							

660-93977 Chain of Custody

Loc: 660
93977

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-16-19	15:10	TS	4-16-19	1510
2.	4-18-19	1034		4-18-19	10:34
3.					
4.					

.6/.6 CW-09

PC 4/15/12

Pas[illegible] County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

CHAIN OF CUSTODY RECORD

Page 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 12.1 °C (or Received on Ice, ROI)
Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENV LAB
Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA MULHERN
Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RES REC
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Shipping Method: COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

12. No. of Containers
13. Preservatives: H N S S C C
14. Containers: V P P P P P
15. Analyses Requested: Appendix I Fe Mn Na* NO3* NH3* Cl TDS

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	11. Leachate	11. Soil	11. Sludge	11. Other	12. No. of Containers	15. Analyses Requested	16. REMARK	For Lab Use Only LAB SAMPLE NO.
1.	AC79744	4MW 7	4-11-2019	11:11		✓	GW					11	✓ ✓ ✓ ✓ ✓ ✓		* Preprserved
2.	AC79745	4MW 9	4-11-2019	14:50		✓	GW					11	✓ ✓ ✓ ✓ ✓ ✓		in Test America
3.															bottles.
4.															Verified
5.															Ph <2
6.															4-18-19
7.														Being Sent to TestAmerica 4-18-19	
8.															
9.															
10.															

Loc: 660
93978
660-93978 Chain of Custody

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-11-19	15:20		4-11-19	1520
2.	4-18-19	1034		4-18-19	10:34
3.					
4.					

0.2/0.2

PC 4/15/12

IR GUN 170477091

5/13/2019

CHAIN OF CUSTODY RECORD

Pas[illegible] County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

Page 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 5.9 ° C (or Received on Ice, ROI)
Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV LAB
Address:
Phone: ( )
City: State Zip Code
Fax: ( )

2. Report to: (if different from above): CANDIA MULHERN
Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name: RES REC

4. Sampled by: (Print): GREG TORREY

5. Sampled by: (Signature)

6. Shipping Method: COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	12. No. of Containers	13. Preservatives	14. Containers	15. Analyses Requested: Appendix I	Fe	HGMA	NO3	NH3	Cl	TDS	16. REMARK	For Lab Use Only LAB SAMPLE NO.
													H	V									
													N	P									
													S	P									
													S	P									
													C	P									
													C	P									
1.	AC79825	4MW 11D	4-15-19	9:14		✓	GW					11			✓	✓	✓	✓	✓	✓	✓		Samples
2.	AC79826	4MW 12D	4-15-19	10:02		✓	GW					11			✓	✓	✓	✓	✓	✓	✓		being sent
3.	AC79827	4MW 14D	4-15-19	11:12		✓	GW					11			✓	✓	✓	✓	✓	✓	✓		to Test America
4.	AC79828	4MW 4	4-15-19	14:08		✓	GW					11			✓	✓	✓	✓	✓	✓	✓		on 4-18-19
5.																							
6.																							pH < 2
7.																							TS
8.																							
9.																							
10.																							

660-93979 Chain of Custody

Loc: 660
93979

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-15-19	15:00	TS	4-15-19	1500
2. A Sheehan	4-18-19	1034	Kim D. Yun	4-18-19	10:34
3.					
4.					

0.2/0.2 08/08 COC

PC 4/15/12

Page 142 of 179

5/13/2019

CHAIN OF CUSTODY RECORD

Page 1 of 1

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

FOR LAB USE ONLY
Temp. of Contents: 5.5 ° C (or Received on Ice) ROI
Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV LAB
Address:
Phone: ( )
City: State Zip Code
Fax: ( )

2. Report to: (if different from above): CANDIA MULHERN
Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name: RES REC

4. Sampled by: (Print) GREG TORREY

5. Sampled by: (Signature)

6. Shipping Method: COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

12. No. of Containers

13. Preservatives: H | N | S | S | C | C
14. Containers: V | P | P | P | P | P

15. Analyses Requested: Appendix II | Fe Hg NA* | NO3* | NH3* | TDS | Cl

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	11. Leachate	11. Soil	11. Sludge	11. Other	No. of Containers	16. REMARK	For Lab Use Only LAB SAMPLE NO.
1.	AC79773	4MW8	4-12-19	9:38		✓	GW					11		*Preserved in Test America bottles. *Verified Ph<2 LR 4-12-19
2.	AC79774	4MW21	4-12-19	10:24		✓	GW					11		
3.	AC79775	4MW22	4-12-19	13:11		✓	GW					11		
4.														
5.														
6.														
7.													*Being Sent To Test America 4/18/19	
8.														
9.														
10.														


660-93980 Chain of Custody

Loc: 660
93980

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-12-19	14:45		4-12-19	14:45
2.	4-18-19	1034		4-18-19	10:34
3.					
4.					

0.8/0.8 0.2/0.2 4.2/4.3 CW09

PC 4/15/12

IR GW 170477691

5/13/2019

Pas[illegible] County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

CHAIN OF CUSTODY RECORD

Page 2 of 2

FOR LAB USE ONLY
Temp. of Contents: 10.7 ° C (or Received on Ice, ROI)
Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

Loc: 660
93990

660-93990 Chain of Custody

1. Client: (Company or Individual): ENV LAB
Address:
City: State Zip

2. Report to: (if different from above): CANDIA MULHERN
Address:
City State Zip

3. Client Project Name: RES REC
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Shipping Method: COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	11. Leachate	11. Soil	11. Sludge	11. Other	12. No. of Containers	13. Preservatives	14. Containers	15. Analyses Requested: Appendix I	Fe	Hg	NA	NO3	NH3	Cl	TDS	16. REMARK	For Lab Use Only LAB SAMPLE NO.
													H	V										
													N	P										
													S	P										
													S	P										
													C	P										
													C	P										
1.	AC79968	2mw-26D	4-17-19	9:42		✓	GW					11	✓	✓	✓	✓	✓	✓						Samples being sent to Test America on 4-18-19
2.	AC79969	2mw-25D	4-17-19	10:34		✓	GW					11	✓	✓	✓	✓	✓	✓						
3.																								
4.																								
5.																								
6.																								
7.																								
8.																								
9.																								
10.																								

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-17-19	15:00	TS	4-17-19	1500
2.	4-18-19	1034		4-18-19	10:34
3.					
4.					

PC 4/15/12

4.2/4.3

CHAIN OF CUSTODY RECORD

Page 1 of 1

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

FOR LAB USE ONLY
Temp. of Contents: 15.1 ° C (or Received on Ice, (ROI)) Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV LAB — Address: — Phone: ( )
City: State Zip Code — Fax: ( )
2. Report to: (if different from above): CANDIA MULHERIN — Address: — Phone: ( )
City State Zip Code — Fax: ( )
3. Client Project Name: RES REC
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Shipping Method: COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	11. Leachate	11. Soil	11. Sludge	11. Other	12. No. of Containers	13. Preservatives	14. Containers	Analyses Requested: APPENDIX I	Fe Hg Na	NO3	NH3	Cl	TDS	16. REMARK	For Lab Use Only LAB SAMPLE NO.
													H	V								
													N	P								
													S	P								
													S	P								
													C	P								
													C	P								
1.	AC80087	4MW 1	4-22-19	11:32		✓	GW					11			✓	✓	✓	✓	✓	✓		X Prepreserved
2.	AC80088	4MW 3A	4-22-19	13:45		✓	GW					11			✓	✓	✓	✓	✓	✓		in Test America
3.																						Bottles,
4.																						Samples
5.																						Ph <2,
6.																						
7.																					Being Sent To Test America 4-25-19	
8.																						
9.																						
10.																						

660-94104 Chain of Custody

Loc: 660
94104

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-22-19	15:30		4-22-19	15:30
2. T Sheehan	4-25-19	11:30		4-25-19	11:30
3.					
4.					

IR Gun 1047691

PC 4/15/12

8/13 CW-09

Pas_ County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

CHAIN OF CUSTODY RECORD

Page 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 17.4 °C (or Received on Ice, ROI) Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENV LAB
Address:
City: State Zip Code
Phone: ( ) Fax: ( )

2. Report to: (if different from above) CANDIA MULHERN
Address:
City State Zip Code
Phone: ( ) Fax: ( )

3. Client Project Name: RES REC
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature) [signature]
6. Shipping Method: COURIER

Water Sample Codes (for Item 11)
DW - Drinking Water
GW - Ground Water
SW - Surface Water
PW - Processed Water
WW - Waste Water

Container Codes (for Item 14)
V - VOA vial
G - Glass
P - Plastic
M - Micro Bag/Cup
O - Other

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

													12.	13. Preservatives	H	N	S	S	N	N			
														14. Containers	V	P	P	P	P	P			
	7.	8.	9.		10.		11.							15. Analyses Requested									
Item	Sample ID or No.	Sample Description	Sample Date	Sample Time	Comp.	Grab	Water (Codes)	Leachate	Soil	Sludge	Other		No. of Containers		APPENDIX I	Fe Hg NA	NO3	NH3	Cl	TDS		16. REMARK	For Lab Use Only LAB SAMPLE NO.
1.	AC79987	4MW5	4-18-19	11:44		✓	GW						11		✓	✓	✓	✓	✓	✓			Samples have
2.																							Sent to
3.																							Test America
4.																							on 4/25/19
5.																							TS
6.																							
7.																							
8.																							
9.																							
10.																							

Loc: 660
94119
660-94119 Chain of Custody

17.	RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	[signature]	4-18-19	12:30	TS	4-18-19	12:30
2.	T. Sheehan	4-25-19	11:30	[signature]	4-25-19	11:30
3.						
4.						

PC 4/15/12

8.8 WDG

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902   Fax: (727) 847-8112

CHAIN OF CUSTODY RECORD

FOR LAB USE ONLY
Temp. of Contents: 8.1 ° C (or Received on Ice, ROI)   Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

Loc: 660
94266
660-94266 Chain of Custody

1. Client: (Company or Individual): ENV LAB
Address:
City: State   Zip

2. Report to: (if different from above): CANDIA MULHERN
Address:
City   State   Zip Code   Fax: (   )

3. Client Project Name: RES REC
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature) [signature]
6. Shipping Method: COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

13. Preservatives: H, N, S, S, C, C
14. Containers: V, P, P, P, P, P
15. Analyses Requested: APPENDIX I; Fe Hg Na*; NO3*; NH3*; Other (?); TDS Cl

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	12. No. of Containers	APPENDIX I	Fe Hg Na*	NO3*	NH3*	[illegible]	TDS Cl	16. REMARK	For Lab Use Only LAB SAMPLE NO.
1.	AC80322	2mw27D	4-29-19	10:02		✓	GW					11	✓	✓	✓	✓	✓	✓		*Preserved
2.	AC80323	4mw27	4-29-19	12:02		✓	GW					11	✓	✓	✓	✓	✓	✓		in Test
3.																				America Bottles
4.																				
5.																				*Verified
6.																				Ph < 2
7.																			Being Sent to	LR
8.																			Test America	4-29-19
9.																			5-2-19	
10.																				

17.	RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	[signature]	4-29-19	15:20	[signature]	4-29-19	15
2.	[signature]	5-2-19	1156	[signature]	5-2-19	11:56
3.						
4.						

1.0/1.0   1.2/1.2   C4-709   PC 4/15/12

IR Gun 170477769

Pas[illegible] County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

CHAIN OF CUSTODY RECORD

Page 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 9.7 ° C (or Received on Ice, ROI) Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

660-94268 Chain of Custody
Loc: 660
94268

1. Client: (Company or Individual)
ENV LAB
Address:
City: State Phone: ( )

2. Report to: (if different from above)
CANDIA MULHERN
Address:
City State Zip Code

3. Client Project Name:
RES RECOV

4. Sampled by: (Print)
GREG TORREY

5. Sampled by: (Signature)

6. Shipping Method:
COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

Preservative Codes (for Item 13)
C - Cool Only
H - Hydrochloric Acid
M - Monochloroacetic Acid
N - Nitric Acid
OH - Sodium Hydroxide
S - Sulfuric Acid
T - Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	11. Leachate	11. Soil	11. Sludge	11. Other	12. No. of Containers	13. Preservatives	14. Containers	15. Analyses Requested	16. REMARK	For Lab Use Only LAB SAMPLE NO.
													H	V	APPENDIX II		
													S	P	NO3		
													S	P	NH3		
													N	P	Ca Hs NA		
													C	P	Cl		
													C	P	TDS		
1.	AC80232	4mw16	4-25-19	13:02		✓	GW					11					
2.																	
3.																	
4.																	
5.																	
6.																Being Sent to test America 5-2-19	
7.																	
8.																	
9.																	
10.																	

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4/25-19	15:10	TS	4/25/19	1510
2.	5-2-19	1156	Ken D. Nunn	5/2/19	11:56
3.					
4.					

Lot# 1.0 E 5/2/19 1.2/1.2 CU-09 PC 4/15/12

Pas... County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

CHAIN OF CUSTODY RECORD

Page 1 of 1

FOR LAB USE ONLY Temp. of Contents: 7.1 ° C (or Received on Ice, ROI) Condition of Contents:

FOR LAB USE ONLY LOG IN NO.

Loc: 660
94269
660-94269 Chain of Custody

1. Client: (Company or Individual) ENV LAB
Address:
City: State

2. Report to: (if different from above) CANDIA MULHERN
Address:
City State Zip Code Fax: ( )

3. Client Project Name: RES REC

4. Sampled by: (Print) GREG TORREY

5. Sampled by: (Signature) [signature]

6. Shipping Method: COURIER

Water Sample Codes (for Item 11)	Container Codes (for Item 14)
DW - Drinking Water	V - VOA vial
GW - Ground Water	G - Glass
SW - Surface Water	P - Plastic
PW - Processed Water	M - Micro Bag/Cup
WW - Waste Water	O - Other

Preservative Codes (for Item 13)
- C - Cool Only
- H - Hydrochloric Acid
- M - Monochloroacetic Acid
- N - Nitric Acid
- OH - Sodium Hydroxide
- S - Sulfuric Acid
- T - Sodium Thiosulfate

13. Preservatives: H, N, S, S, C, C
14. Containers: V, P, P, P, P, P
15. Analyses Requested: APPENDIX I, Fe HS NA*, NO3*, NH3*, Cl, TDS

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	12. No. of Containers	APPENDIX I	Fe HS NA*	NO3*	NH3*	Cl	TDS	16. REMARK	For Lab Use Only LAB SAMPLE NO.
1.	AC80336	2MW2	4-30-19	9:42		✓	GW					11	✓	✓	✓	✓	✓	✓		*PrePreServed
2.	AC80337	4MW2	4-30-19	11:14		✓	GW					11	✓	✓	✓	✓	✓	✓		in Test
3.	AC80338	4MW13D	4-30-19	13:50		✓	GW					11	✓	✓	✓	✓	✓	✓		America Bottles
4.																				
5.																				Verified
6.																				Ph <2
7.																			Being Sent	LR 4-30-19
8.																			To Test	
9.																			America	
10.																			5/2/19	

17.	RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	[signature]	4-30-19	15:20	[signature]	4-30-19	15:20
2.	[signature]	5-2-19	1156	[signature]	5-2-19	11:56
3.						
4.						

1.0/1.0 ~~1.2/1.2~~ CU-09 EE 5/3/19

PC 4/15/12

FRGU 17047769 1

Page 148 of 179

5/13/2019

CHAIN OF CUSTODY RECORD

Page 1 of 1

Pas County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
(727) 847-8902 Fax: (727) 847-8112

FOR LAB USE ONLY
Temp. of Contents: 17.1 °C (or Received on Ice, (ROI))
Condition of Contents:

FOR LAB USE ONLY
LOG IN NO.

660-94274 Chain of Custody

Loc: 660
94274

1. Client: (Company or Individual): ENV LAB
Address:
City: State

2. Report to: (if different from above): CANDIA MULHERN
Address:
City State

3. Client Project Name: RES REC
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Shipping Method: COURIER

Water Sample Codes (for Item 11)		Container Codes (for Item 14)	
DW	Drinking Water	V	VOA vial
GW	Ground Water	G	Glass
SW	Surface Water	P	Plastic
PW	Processed Water	M	Micro Bag/Cup
WW	Waste Water	O	Other

Preservative Codes (for Item 13)	
C	Cool Only
H	Hydrochloric Acid
M	Monochloroacetic Acid
N	Nitric Acid
OH	Sodium Hydroxide
S	Sulfuric Acid
T	Sodium Thiosulfate

Item	7. Sample ID or No.	8. Sample Description	9. Sample Date	9. Sample Time	10. Comp.	10. Grab	11. Water (Codes)	11. Leachate	11. Soil	11. Sludge	11. Other	12. No. of Containers	15. Analyses Requested: Appendix I	Fe	Hg	NO3*	NH3*	Cl	TDS		16. REMARK	For Lab Use Only LAB SAMPLE NO.
13. Preservatives														H	N	S	S	C	C			
14. Containers														V	P	P	P	P	P			
1.	AC80489	4MW27D	5-1-19	12:17		✓	GW					11	✓	✓	✓	✓	✓	✓	✓	✓		*Samples
2.	AC80490	2MW15DA	5-1-19	14:04		✓	GW					11	✓	✓	✓	✓	✓	✓	✓	✓		Preserved
3.																						in Test
4.																						America
5.																						Bottles.
6.																						
7.																					Being Sent	Verified
8.																					To Test	ph <2
9.																					America	LR 5-1-19
10.																					5-2-19	

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	5-1-19	15:20	Louis Martin	5-1-19	15:20
2.	5-2-19	1156	Kevin D. Mann	5-2-19	11:56
3.					
4.					

IR Gun 17047691

PC 4/15/12

1.0/1.0 cCup9

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-113076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jess.hornsby@testamericainc.com	State of Origin: Florida	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-93977-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 4/24/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Resource Recovery	Project #: 66013534			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	350.1/ Ammonia	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC79882 2MW 18D (660-93977-1)	4/16/19	09:00 Eastern		Water			X	X	X	3	
AC79883 2MW 19D (660-93977-2)	4/16/19	10:16 Eastern		Water			X	X	X	3	
AC79884 2MW 17S (660-93977-3)	4/16/19	13:19 Eastern		Water			X	X	X	3	
AC79744 4MW 7 (660-93978-1)	4/11/19	11:11 Eastern		Water			X	X	X	3	
AC79745 4MW 9 (660-93978-2)	4/11/19	14:50 Eastern		Water			X	X	X	3	
AC79827 4MW 14D (660-93979-3)	4/15/19	11:12 Eastern		Water			X	X	X	3	
AC79773 4MW 8 (660-93980-1)	4/12/19	09:38 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4-18-19 1700	TA TAM			
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
			[signature]	4-19-19 0705	

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4/1.4

Ver: 01/16/2019

5/13/2019

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-113076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jess.hornsby@testamericainc.com	State of Origin: Florida	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-93979-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 4/24/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Resource Recovery	Project #: 66013534			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	350.1/ Ammonia	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC79825 4MW 11D (660-93979-1)	4/15/19	09:14 Eastern		Water			X	X	X	3	
AC79826 4MW 12D (660-93979-2)	4/15/19	10:02 Eastern		Water			X	X	X	3	
AC79828 4MW 4 (660-93979-4)	4/15/19	14:08 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-18-19 1700	TA TAM			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 4-19-19 0705	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.4/1.4

Ver: 01/16/2019

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-113076.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jess.hornsby@testamericainc.com	State of Origin: Florida	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-93980-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 4/24/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Resource Recovery	Project #: 66013534			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	350.1/ Ammonia	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC79774 4MW 21 (660-93980-2)	4/12/19	10:24 Eastern		Water			X	X	X	3	
AC79775 4MW 22 (660-93980-3)	4/12/19	13:11 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-18-19 0 1700	TA TAM			
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by: [signature]	Date/Time: 4-19-19 0725	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 4.3/4.3

Ver: 01/16/2019

5/13/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-113104.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jess.hornsby@testamericainc.com	State of Origin: Florida	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-93977-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 4/24/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Resource Recovery	Project #: 66013534			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL	M - Hexane
B - NaOH	N - None
C - Zn Acetate	O - AsNaO2
D - Nitric Acid	P - Na2O4S
E - NaHSO4	Q - Na2SO3
F - MeOH	R - Na2S2O3
G - Amchlor	S - H2SO4
H - Ascorbic Acid	T - TSP Dodecahydrate
I - Ice	U - Acetone
J - DI Water	V - MCAA
K - EDTA	W - pH 4-5
L - EDA	Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (Wwater, Ssolid, Owastefoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	350.1/ Ammonia	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC79968 2MW-26D (660-93990-1)	4/17/19	09:42 Eastern		Water			X	X	X	3	
AC79969 2MW-25D (660-93990-2)	4/17/19	10:34 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
[signature]	4-19-19 1700	TAT AM	[signature]	4/20/19 0740	TAL SAV
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 1.8/2.0 / 1.7/2.0 / 2.7/2.5 / 3.8/3.5 / 4.2 / 2.5/2.0 / 1.7/2.0 / 3.8/3.3 / 3.8/3.5 / 4.2

Ver: 01/16/2019

5/13/2019

Chain of Custody Record

eurofins | Environment Testing | TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-113233.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jess.hornsby@testamericainc.com	State of Origin: Florida	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-94104-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 5/1/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Resource Recovery	Project #: 66013534			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	350.1/ Ammonia	353.2_Pres	351.2/Digest_P_HotBlk TKN	Total Number of containers	Special Instructions/Note:
			Preservation Code:									
AC80087 4MW 1 (660-94104-1)	4/22/19	11:32 Eastern		Water			X	X	X		3	
AC80088 4MW 3A (660-94104-2)	4/22/19	13:45 Eastern		Water			X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification: Unconfirmed	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): ☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by	Date/Time	Company	Received by	Date/Time	Company
1	[signature]	4/25/19 1532	TAL	[signature]	4-26-19 0858	TAL
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.1/2.2

Ver: 01/16/2019

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-113234.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jess.hornsby@testamericainc.com	State of Origin: Florida	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-94119-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 5/1/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Pasco County Landfill Monitoring	Project #: 66013534			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	350.1/ Ammonia	351.2/Digest_P_HotBlk TKN	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC 79987 (660-94119-1)	4/18/19	11:44 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said compliance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
1	[signature]	4-25-19 1550	TA TAM	[signature]	4-26-19 0858	TAL SAV
2	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.1/2.2

Ver: 01/16/2019

Eurofins TestAmerica, Tampa
6712 Benjamin Road Suite 100
Tampa, FL 33634
Phone (813) 885-7427 Fax (813) 885-7049

Chain of Custody Record

eurofins Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-113462.1
Client Contact: Shipping/Receiving	Phone:	E-Mail: jess.hornsby@testamericainc.com	State of Origin: Florida	Page: Page 1 of 1
Company: TestAmerica Laboratories, Inc.		Accreditations Required (See note): NELAP - Florida		Job #: 660-93977-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 5/8/2019			
City: Savannah	TAT Requested (days):			
State, Zip: GA, 31404				
Phone: 912-354-7858(Tel) 912-352-0165(Fax)	PO #:			
Email:	WO #:			
Project Name: Resource Recovery	Project #: 66013534			
Site:	SSOW#:			

Analysis Requested

Preservation Codes:

A - HCL, B - NaOH, C - Zn Acetate, D - Nitric Acid, E - NaHSO4, F - MeOH, G - Amchlor, H - Ascorbic Acid, I - Ice, J - DI Water, K - EDTA, L - EDA, M - Hexane, N - None, O - AsNaO2, P - Na2O4S, Q - Na2SO3, R - Na2S2O3, S - H2SO4, T - TSP Dodecahydrate, U - Acetone, V - MCAA, W - pH 4-5, Z - other (specify)

Other:

Sample Identification - Client ID (Lab ID)	Sample Date	Sample Time	Sample Type (C=Comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	300_ORGFM_28D/ Chloride	350.1/ Ammonia	353.2_Pres	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC80322 2MW 27D (660-94266-1)	4/29/19	10:02 Eastern		Water			X	X	X	3	
AC80323 4MW 27 (660-94266-2)	4/29/19	12:02 Eastern		Water			X	X	X	3	
AC80232 4MW 6 (660-94268-1)	4/25/19	13:02 Eastern		Water			X	X	X	3	
AC80336 2MW 2 (660-94269-1)	4/30/19	09:42 Eastern		Water			X	X	X	3	
AC80337 4MW 2 (660-94269-2)	4/30/19	11:14 Eastern		Water			X	X	X	3	
AC80338 4MW 13D (660-94269-3)	4/30/19	13:50 Eastern		Water			X	X	X	3	
AC80489 4MW 27D (660-94274-1)	5/1/19	12:17 Eastern		Water			X	X	X	3	
AC80490 2MW 15DA (660-94274-2)	5/1/19	14:04 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, TestAmerica Laboratories, Inc. places the ownership of method, analyte & accreditation compliance upon out subcontract laboratories. This sample shipment is forwarded under chain-of-custody. If the laboratory does not currently maintain accreditation in the State of Origin listed above for analysis/tests/matrix being analyzed, the samples must be shipped back to the TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to TestAmerica Laboratories, Inc. attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to TestAmerica Laboratories, Inc.

Possible Hazard Identification	Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
Unconfirmed	☐ Return To Client ☐ Disposal By Lab ☐ Archive For _____ Months
Deliverable Requested: I, II, III, IV, Other (specify) Primary Deliverable Rank: 2	Special Instructions/QC Requirements:

Empty Kit Relinquished by:	Date:	Time:	Method of Shipment:

Relinquished by	Date/Time	Company	Received by	Date/Time	Company
[signature]	5/3/19 1700	TAL Savannah	[signature]	5-4-19 0740	TASAV
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 3.3/3.3/4.4/4.8

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93977
List Number: 1
Creator: Redding, Charles S

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93977
List Number: 2
Creator: Laughlin, Paul D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/19/19 08:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93978
List Number: 1
Creator: Edwards, Erricka

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93978
List Number: 2
Creator: Laughlin, Paul D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/19/19 08:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93979
List Number: 1
Creator: Redding, Charles S

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93979
List Number: 2
Creator: Laughlin, Paul D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/19/19 08:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93980
List Number: 1
Creator: Redding, Charles S

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93980
List Number: 2
Creator: Laughlin, Paul D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/19/19 08:02 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93980
List Number: 3
Creator: Laughlin, Paul D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/19/19 08:17 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93990
List Number: 1
Creator: Edwards, Erricka

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	True	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 93990
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/20/19 12:17 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94104
List Number: 1
Creator: Redding, Charles S

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94104
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/26/19 03:15 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94119
List Number: 1
Creator: Redding, Charles S

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94119
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/26/19 02:53 PM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94266
List Number: 1
Creator: Edwards, Erricka

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94266
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/04/19 11:33 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94268
List Number: 1
Creator: Edwards, Erricka

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	False	Refer to Job Narrative for details.
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94268
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/04/19 11:33 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94269
List Number: 1
Creator: Edwards, Erricka

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94269
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/04/19 11:33 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94274
List Number: 1
Creator: Edwards, Erricka

List Source: Eurofins TestAmerica, Tampa

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-93977-1

Login Number: 94274
List Number: 2
Creator: Nobles, Terry G

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/04/19 11:33 AM

Question	Answer	Comment
Radioactivity wasn't checked or is </= background as measured by a survey meter.	N/A	
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Well Data						Field Analysis							Labworks	Lab Analysis						
WELL I.D.	DATE	SAMPLE TIME 24hr.	T.O.P. ELEV. (ft)	STATIC WATER LEVEL (ft)	N.G.V.D (ft)	pH (S.U.)	TEMP (°C)	COND (µS/cm)	D.O. (mg/L)	TURB (NTU)	Color (Observed)	Analyst	LIMS ID	CL^-(mg/L)	TDS (mg/L)	NH3-N (mg/L)	NO3 (mg/L)	Fe (µg/L)	Hg (µg/L)	Na+ (µg/L)
2MW1	21-Apr	1000	49.95	DRY	DRY							GT								
2MW2	30-Apr	942	56.41	20.17	36.24	5.86	23.76	101	7.50	14.1	clear	GT	ac80336							
2MW3	21-Apr	1010	50.01	DRY	DRY							GT								
2MW4	21-Apr	1015	54.77	DRY	DRY							GT								
2MW5	21-Apr	1020	49.17	DRY	DRY							GT								
2MW6	21-Apr	1025	56.11	DRY	DRY							GT								
2MW7	13-Apr	1000	52.75	DRY	DRY							GT								
2MW8	13-Apr	1010	51.97	DRY	DRY							GT								
2MW9	13-Apr	1020	52.29	DRY	DRY							GT								
2MW10	13-Apr	1017	52.63	DRY	DRY							GT								
2MW13D	15-Apr	1010	54.04	DRY	DRY							GT								
2MW15AD	1-May	1404	54.71	20.55	34.16	7.24	24.67	318	3.07	1.1	clear	GT	ac80490							
2MW17S	16-Apr	1319	53.42	24.93	28.49	6.36	25.13	247	5.92	21.3	cloudy	GT	ac79884							
2MW18D	16-Apr	900	52.75	24.35	23.45	7.31	23.45	443	1.58	15.9	clear	GT	ac79882							
2MW19D	16-Apr	1016	52.25	23.13	29.12	7.31	24.54	401	1.33	16.7	clear	GT	ac79883							
2MW24D	21-Apr	1010	50.55	DRY	DRY							GT								
2MW24S	21-Apr	1015	50.37	DRY	DRY							GT								
2MW25D	17-Apr	1034	47.87	16.7	31.17	7.36	25.87	618	1.70	26.8	cloudy	GT	ac79969							
2MW25S	17-Apr	1000	47.84	DRY	DRY							GT								
2MW26D	17-Apr	942	54.13	22.54	31.59	7.47	25.30	492	1.30	18.3	CLEAR	GT	ac79968							
2MW26S	17-Apr	815	54.16	DRY	DRY							GT								
2MW27D	29-Apr	1002	50.32	17.42	32.90	7.12	24.91	751	1.67	16.9	clear	GT	ac80322							
2MW27S	21-Apr	1030	50.44	DRY	DRY							GT								
4MW1	22-Apr	1132	50.34	15.68	34.66	7.14	25.38	906	1.52	15.2	clear	GT	ac80087							
4MW2	30-Apr	1114	56.11	20.4	35.71	7.22	25.80	220	2.10	12.5	clear	GT	ac80337							
4MW3A	22-Apr	1345	52.92	23.5	29.42	7.39	23.89	447	1.42	15.9	clear	GT	ac80088							
4MW4	15-Apr	1408	50.81	22.38	28.43	7.34	25.58	382	2.53	14.3	clear	GT	ac79828							
4MW5	18-Apr	1144	49.06	19.8	29.26	7.35	23.97	580	2.91	16.2	clear	GT	ac79987							
4MW6	25-Apr	1302	55.93	22.9	33.05	7.65	24.90	156	5.41	23.3	clear	GT	ac80232							
4MW7	11-Apr	1111	52.62	21.38	31.24	7.36	25.03	342	1.68	14.8	clear	GT	ac79744							

Well Data						Field Analysis							Labworks	Lab Analysis						
WELL I.D.	DATE	SAMPLE TIME 24hr.	T.O.P. ELEV. (ft)	STATIC WATER LEVEL (ft)	N.G.V.D (ft)	pH (S.U.)	TEMP (°C)	COND (µS/cm)	D.O. (mg/L)	TURB (NTU)	Color (Observed)	Analyst	LIMS ID	CL^-(mg/L)	TDS (mg/L)	NH3-N (mg/L)	NO3 (mg/L)	Fe (µg/L)	Hg (µg/L)	Na+ (µg/L)
4MW8	12-Apr	938	51.87	31.23	20.64	7.28	23.51	357	1.46	13.9	clear	GT	ac79773							
4MW9	9-Apr	1450	52.78	22.80	29.98	7.27	25.45	414	1.44	15.10	clear	GT	ac79745							
4MW11D	15-Apr	914	65.00	32.95	32.05	7.50	23.99	305	2.41	23.50	clear	GT	ac79825							
4MW12D	15-Apr	1002	55.03	23.95	31.08	7.41	24.90	340	2.23	14.8	clear	GT	ac79826							
4MW13D	30-Apr	1350	52.39	23.46	30.58	6.91	28.76	448	1.30	14.3	clear	GT	ac80338							
4MW14D	15-Apr	1112	52.00	20.6	31.40	7.49	26.23	347	1.45	15.50	clear	GT	ac79827							
4MW21	12-Apr	1024	51.46	20.43	31.03	5.34	24.83	70	6.71	29.7	clear	GT	ac79774							
4MW22	12-Apr	1311	53.44	23.60	29.84	7.06	24.46	433	1.46	15.30	clear	GT	ac79775							
4MW27	29-Apr	1202	49.60	16.60	33.00	7.23	25.26	629	3.21	14.5	clear	GT	ac80323							
4MW27D	1-May	1217	49.28	17.5	31.78	7.27	25.01	279	1.74	2.4	clear	GT	ac80489							

BILLING DATE: **SAMPLE TIME:** **MILEAGE:**

AMBIENT FIELD CONDITIONS

METER: **CALIBRATION DATE:**

PRESERVATIVES

TYPE	LOT #

PURGING EQUIPMENT: Bladder pump and Micro Purge MP-50 QED compressor

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2381	SAMPLE ID:	2MW-1	SAMPLE DATE:	April 21, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"			49.95	Submersible Pump

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	20.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	**ENDED:**	

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	NA	NA	NA	Cl,			BP
1	PE	250	NA	NA	NA	NA	TDS			BP
							APP I			
NGVD:										

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page _1_of_1_]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-2	SAMPLE DATE:	April 30, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"			56.41	Submersible Pump

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	38.00	STATIC WATER:	20.17	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.8

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0910	0940	9.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0910	0.00	0.00	0.00	20.17	7.41	23.86	93	NA	24.7	clear	none
0920	3.00	3.00	0.33	20.15	6.66	23.73	101	NA	29.7	clear	none
0930	3.00	6.00	0.33	20.15	6.19	23.63	100	NA	13.1	clear	none
0940	3.00	9.00	0.33	20.15	5.86	23.76	101	7.50	14.1	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	942	**ENDED:** 945

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	250		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:	**36.24**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-3A	SAMPLE DATE:	April 21, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			50.01	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	13.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	250		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-4	SAMPLE DATE:	April 21, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			54.77	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	15.50	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	0
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	na	WET ICE	na	na	Cl,			BP
1	PE	250	na	WET ICE	na	na	TDS			BP

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-5	SAMPLE DATE:	April 21, 2019

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"			49.17	Submersible Pump

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	11.50	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			
1	PE	125				<2	Fe,Hg,Na,			
1	PE	125	NA	WET ICE	NA	NA	Cl,			
1	PE	250	NA	WET ICE	NA	NA	TDS			
NGVD:										

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-6	SAMPLE DATE:	April 21, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			56.11	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	ACTUAL 25	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START;**		**ENDED:**	0
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			
1	PE	125		HNO3		<2	Fe,Hg,Na,			
1	PE	125	NA	WET ICE	NA	NA	Cl,			
1	PE	250	NA	WET ICE	NA	NA	TDS			

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-7	SAMPLE DATE:	April 13, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			52.75	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	15.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	
WELL (feet):		RATE (ML/MIN.):			TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-8	SAMPLE DATE:	April 13, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			51.97	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	18.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	0
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-9	SAMPLE DATE:	April 13, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			52.29	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	11.80	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-10	SAMPLE DATE:	April 13, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			52.63	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	15.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
				0.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	0

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-13D	SAMPLE DATE:	April 15, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"			52.39	Submersible Pump

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	18.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:			
			START:		**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:										

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-15DA	SAMPLE DATE:	May 1, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			54.71	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	44.50	STATIC WATER:	20.55	GALLONS / FOOT:	0.16	1 WELL VOLUME=	3.80

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1338	1402	12.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1338	0.00	0.00	0.00	20.55	7.34	25.07	317	NA	NA	clear	none
1346	4.00	4.00	0.50	18.34	7.26	24.57	311	NA	NA	clear	none
1354	4.00	8.00	0.50	18.40	7.27	24.63	312	NA	NA	clear	none
1402	4.00	12.00	0.50	18.41	7.24	24.67	318	3.07	1.1	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:			
			START:	1404	**ENDED:**	1407

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**34.16**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW17S	SAMPLE DATE:	April 16, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			53.42	Submersible pump

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	38.00	STATIC WATER:	24.93	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.09

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1253	1317	6.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1253	0.00	0.00	0.00	24.93	6.92	25.52	264	NA	23.1	cloudy	none
1301	2.00	2.00	0.25	24.75	6.45	25.26	248	NA	46.8	cloudy	none\
1309	2.00	4.00	0.25	24.70	6.34	25.06	249	NA	26.0	cloudy	none
1317	2.00	6.00	0.25	24.70	6.36	25.13	247	5.92	21.3	cloudy	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	1319	**ENDED:** 1321

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**28.49**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW18D	SAMPLE DATE:	April 16, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			52.75	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	40.00	STATIC WATER:	24.35	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.5

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0830	0857	9.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0830	0.00	0.00	0.00	24.35	7.43	22.49	453	NA	18.4	clear	none
0839	3.00	3.00	0.33	24.58	7.40	23.99	441	NA	18.2	clear	none
0848	3.00	6.00	0.33	24.55	7.34	23.66	444	NA	16.6	clear	none
0857	3.00	9.00	0.33	24.55	7.31	23.47	443	1.58	15.9	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	900	**ENDED:**	903

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	

DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD: **28.40**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-19D	SAMPLE DATE:	April 16, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			52.25	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55.00	STATIC WATER:	23.13	GALLONS / FOOT:	0.16	1 WELL VOLUME=	5.09

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0944	1014	15.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	P.H.	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0944	0.00	0.00	0.00	23.13	7.35	23.55	403	NA	24.6	clear	none
0954	5.00	5.00	0.50	22.63	7.31	25.03	403	NA	26.1	clear	none
1004	5.00	10.00	0.50	22.60	7.39	24.85	403	NA	21.5	clear	none
1014	5.00	15.00	0.50	22.60	7.31	24.54	401	1.33	16.7	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:			
			START:	1016	**ENDED:**	1019

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD: **29.12**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-24S	SAMPLE DATE:	April 21, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			50.37	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	26.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1000				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-24D	SAMPLE DATE:	April 21, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			50.55	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	44.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:										

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS RD		
WELL NO.		SAMPLE ID:	2MW-25D	SAMPLE DATE:	April 17, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			47.87	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	32.00	STATIC WATER:	16.7	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2.4

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1008	1032	4.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1008	0.00	0.00	0.00	16.77	7.67	25.1	489	NA	26.6	cloudy	none
1016	2.00	2.00	0.25	16.77	7.52	25.16	616	NA	129.0	cloudy	none
1024	2.00	4.00	0.25	25.68	7.42	25.68	618	NA	51.6	cloudy	none
1032	2.00	6.00	0.25	25.87	7.36	25.87	618	1.70	26.8	cloudy	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:			
			START:	1034	**ENDED:**	1037
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**31.17**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-25S	SAMPLE DATE:	April 17, 2019

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			47.84	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	17.50	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:			
			START:		**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:										

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-26D	SAMPLE DATE:	April 17, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			54.13	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55.00	STATIC WATER:	22.54	GALLONS / FOOT:	0.16	1 WELL VOLUME=	5.19

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0855	0940	15.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0855	0.00	0.00	0.00	22.54	7.71	23.19	390	NA	33.5	clear	none
0910	5.00	5.00	0.33	22.45	7.61	25.10	488	NA	23.6	clear	none
0925	5.00	10.00	0.33	22.11	7.50	25.25	490	NA	18.70	clear	none
0940	5.00	15.00	0.33	22.11	7.47	25.30	492	1.30	18.3	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	942	**ENDED:**	945

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	

DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD: **31.59**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-26S	SAMPLE DATE:	April 17, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			54.16	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	23"	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

				VERIFIED:			
SAMPLED BY (PRINT):	G TORREY			**START:**		**ENDED:**	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:										

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW-27S	SAMPLE DATE:	April 21, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			50.44	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	21.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME=	DRY

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
				DRY							

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**		**ENDED:**	0
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	2MW- 27D	SAMPLE DATE:	April 29, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			50.32	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	45.30	STATIC WATER:	17.42	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.46

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0930	1000	12.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0930	0.00	0.00	0.00	17.42	7.67	24.58	755	NA	20.2	clear	none
0940	4.00	4.00	0.33	17.48	7.23	24.86	756	NA	22.3	clear	none
0950	4.00	8.00	0.33	17.48	7.17	24.93	756	NA	19.2	clear	none
1000	4.00	12.00	0.33	17.50	7.12	24.91	751	1.67	16.9	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	1002	**ENDED:**	1005

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD: **32.90**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-1	SAMPLE DATE:	April 22, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4"			50.34	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	60.00	STATIC WATER:	16	GALLONS / FOOT:	0.65	1 WELL VOLUME=	28.8

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0830	1130	87.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0830	0.00	0.00	0.00	15.68	7.24	23.39	924	NA	16.5	clear	none
0930	29.00	29.00	0.50	15.85	7.23	24.77	904	NA	16.2	clear	none
1030	29.00	58.00	0.50	15.80	7.14	25.43	906	NA	14.8	clear	none
1130	29.00	87.00	0.50	15.80	7.14	25.38	906	NA	15.2	clear	none

*** used Low-Flow purguing Method** *****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	1132	**ENDED:** 1135
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE:

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:	**34.66**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-2	SAMPLE DATE:	April 30, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4"			56.11	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	69.00	STATIC WATER:	23.5	GALLONS / FOOT:	0.65	1 WELL VOLUME=	4.40

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0800	1112	96.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0800	0.00	0.00	0.00	20.40	7.25	23.22	2220	NA	14.9	clear	none
0904	32.00	32.00	0.20	20.61	7.27	23.60	217	NA	14.1	clear	none
1008	32.00	64.00	0.20	20.75	6.02	23.65	216	NA	13.1	clear	none
1112	32.00	96.00	0.20	23.70	7.22	25.80	220	NA	12.5	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	GTORREY		**START:**	1114	**ENDED:**	1117
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**35.71**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-3A	SAMPLE DATE:	April 22, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			52.92	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	51.00	STATIC WATER:	23.5	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.40

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1317	1343	12.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1317	0.00	0.00	0.00	23.50	7.39	23.97	452	NA	15.4	clear	none
1329	4.00	4.00	0.33	23.75	7.46	23.85	446	NA	16.1	clear	none
1331	4.00	6.00	0.33	23.70	7.40	23.71	445	NA	15.7	clear	none
1343	4.00	12.00	0.33	23.70	7.39	23.89	447	NA	15.9	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY			**START:**	1345	**ENDED:**	1348
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD: **29.42**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-4	SAMPLE DATE:	April 15, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			50.81	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	50.00	STATIC WATER:	22.38	GALLONS / FOOT:	0.65	1 WELL VOLUME=	17.9

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1220	**1406**	54.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1220	0.00	0.00	0.00	22.38	7.44	24.57	384	NA	16.4	clear	none
1256	18.00	18.00	0.50	21.75	7.35	24.24	382	NA	14.9	clear	none
1330	18.00	36.00	0.50	21.10	7.34	24.56	381	NA	15.4	clear	none
1406	18.00	54.00	0.50	21.10	7.34	25.58	382	2.53	14.3	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	**1408**	**ENDED:**	1411
WELL (feet):		RATE (ML/MIN.):			**TUBING MATERIAL CODE:**	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**28.43**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-5	SAMPLE DATE:	4.18/19

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			49.06	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	77.00	STATIC WATER:	19.8	GALLONS / FOOT:	0.65	1 WELL VOLUME=	37.1

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0800	1142	112.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0800	0.00	0.00	0.00	19.80	7.71	22.24	448	NA	18.2	clear	none
0914	37.00	37.00	0.50	18.60	7.5	23.24	584	NA	17.0	clear	none
1028	37.00	74.00	0.50	18.60	7.35	23.75	575	NA	16.1	clear	none
1142	37.00	112.00	0.50	18.60	7.35	23.97	580	NA	16.2	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	1144	**ENDED:** 1147

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	29.26

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-6	SAMPLE DATE:	April 25, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			55.95	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	100.00	STATIC WATER:	22.90	GALLONS / FOOT:	0.65	1 WELL VOLUME=	50.1

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0800	1300	150.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0800	0.00	0.00	0.00	22.90	7.53	23.98	151	NA	17.1	clear	none
0940	50.00	50.00	0.50	22.20	7.73	24.38	155	NA	42.3	clear	none
1120	50.00	100.00	0.50	2.10	7.66	25.31	157	NA	24.9	clear	none
1300	50.00	150.00	0.50	22.10	7.65	24.90	156	5.41	23.5	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	13.02	**ENDED:**	13.05
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**33.05**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-7	SAMPLE DATE:	April 11, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			52.62	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	50.00	STATIC WATER:	21.38	GALLONS / FOOT:	0.65	1 WELL VOLUME=	18.6

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0915	1109	57.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	P.H.(su)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0915	0.00	0.00	0.00	21.38	7.44	24.17	337	NA	31.0	clear	none
0953	19.00	19.00	0.50	21.15	7.37	24.45	339	NA	15.4	clear	none
1031	19.00	38.00	0.50	21.10	7.33	24.66	341	NA	15.5	clear	none
1109	19.00	57.00	0.50	21.10	7.36	25.03	342	NA	14.8	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	1111	ENDED: 1114

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**31.24**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-8	SAMPLE DATE:	April 12, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			51.87	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	41.00	STATIC WATER:	31.23	GALLONS / FOOT:	0.65	1 WELL VOLUME=	6.35

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
		0900	0936	18.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0900	0.00	0.00	0.00	31.23	7.57	23.19	350	NA	14.3	clear	none
0912	6.00	6.00	0.50	31.20	7.33	23.25	356	NA	14.7	clear	none
0924	6.00	12.00	0.50	31.20	7.3	23.24	356	NA	14.1	clear	none
0936	6.00	18.00	0.50	31.18	7.28	23.51	359	NA	13.9	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	938	**ENDED:** 941

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	20.64

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-9	SAMPLE DATE:	April 11, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			52.78	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	51.00	STATIC WATER:	22.80	GALLONS / FOOT:	0.65	1 WELL VOLUME=	18.30

using low-flow purguing method

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1300	1448	54.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1300	0.00	0.00	0.00	22.80	7.34	24.86	414	NA	15.3	clear	none
1336	18.00	18.00	0.50	22.70	7.32	25.03	414	NA	14.4	clear	none
1412	18.00	36.00	0.50	22.50	7.29	24.97	413	NA	14.1	clear	none
1448	18.00	54.00	0.50	22.50	7.27	25.45	414	1.44	15.1	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	1450	**ENDED:**	1453

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**29.98**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-11D	SAMPLE DATE:	April 15, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			65.00	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	52.00	STATIC WATER:	32.95	GALLONS / FOOT:	0.16	1 WELL VOLUME=	3.04

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0845	0912	9.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0845	0.00	0.00	0.00	32.95	7.52	23.03	301	NA	16.9	clear	none
0854	3.00	3.00	0.33	32.17	7.50	23.90	311	NA	55.2	clear	none
0903	3.00	6.00	0.33	32.15	7.47	23.92	309	NA	50.80	clear	none
0912	3.00	9.00	0.33	32.10	7.50	23.99	305	2.11	23.50	clear	none

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY			VERIFIED:			
				START:	914	**ENDED:**	917
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:	**32.05**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:			
WELL NO.		SAMPLE ID:	4MW-12D	SAMPLE DATE:	April 15, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			55.03	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	55.00	STATIC WATER:	23.95	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.96

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0930	1000	15.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0930	0.00	0.00	0.00	23.95	7.45	23.93	341	NA	21.5	clear	none
0940	5.00	5.00	0.50	23.51	7.43	24.68	338	NA	16.5	clear	none
0950	5.00	10.00	0.50	23.51	7.44	24.93	340	NA	15.3	clear	none
1000	5.00	15.00	0.50	23.51	7.44	24.90	340	2.23	14.8	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:			
			START:	1002	**ENDED:**	1005
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP
NGVD:	**31.08**									

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS RD		
WELL NO.		SAMPLE ID:	4MW-13D	SAMPLE DATE:	April 30, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			54.04	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

	36.00	STATIC WATER:	23.46	GALLONS / FOOT:	0.16	1 WELL VOLUME=	2

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1330	1348	6.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1330	0.00	0.00	0.00	23.46	7.15	27.6	442	NA	12.9	clear	none
1336	2.00	2.00	0.33	19.31	7.04	27.69	438	NA	14.6	clear	none
1342	2.00	4.00	0.33	20.11	7.02	27.63	435	NA	15.2	clear	none
1348	2.00	6.00	0.33	20.11	6.91	28.76	448	1.30	14.3	clear	none
						DO in house					

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	1350	**ENDED:**	1353
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**30.58**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump; **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-14D	SAMPLE DATE:	April 15, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			52.00	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	50.00	STATIC WATER:	20.6	GALLONS / FOOT:	0.16	1 WELL VOLUME=	4.7

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1040	1110	15.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1040	0.00	0.00	0.00	20.60	7.37	25.47	351	NA	15.9	clear	none
1050	5.00	5.00	0.50	20.10	7.48	26.47	346	NA	17.2	clear	none
1100	5.00	10.00	0.50	20.10	7.47	26.54	343	NA	16.30	clear	none
1110	5.00	15.00	0.50	20.10	7.49	26.23	347	NA	15.5	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	1112	**ENDED:**	1115
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:		
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD: **31.40**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-21	SAMPLE DATE:	April 12, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			51.46	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	43.00	STATIC WATER:	20.43	GALLONS / FOOT:	0.16	1 WELL VOLUME=	3.61

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0950	1022	12.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0958	0.00	0.00	0.00	20.43	7.27	24.67	131	NA	21.7	clear	none
1006	4.00	4.00	0.50	20.10	5.56	24.43	125	NA	41.3	clear	none
1014	4.00	8.00	0.50	17.40	5.42	24.62	126	NA	35.3	clear	none
1022	4.00	12.00	0.50	17.20	5.34	24.83	70	NA	29.7	clear	none

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	1024	**ENDED:** 1027

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**31.03**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-22	SAMPLE DATE:	April 12, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2			53.44	Submersible Pump

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	48.00	STATIC WATER:	23.60	GALLONS / FOOT:	0.16	1 WELL VOLUME=	3.94

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		1233	1309	12.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
1233	0.00	0.00	0.00	24	6	25.60	389	NA	23.3	clear	none
1245	4.00	4.00	0.33	23	6.91	24.60	431	NA	16.3	clear	none
1257	4.00	8.00	0.33	23	7.06	24.49	436	NA	18.0	clear	none
1309	4.00	12.00	0.33	22.50	7.06	24.46	433	NA	15.3	clear	none
								1.46			

***WATER LEVEL IS BELOW TOP OF PUMP.

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88

TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

SAMPLED BY (PRINT):	G TORREY		VERIFIED:		
			START:	1311	**ENDED:** 1314

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**29.84**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.

2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

DEP-SOP-001/01 FS 2200 GROUNDWATER SAMPLING FORM FD 9000-24 FS-012-1 Ground Water Sampling Data Sheet rev:9/1/16 [Page ___of___]

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-27D	SAMPLE DATE:	April 29, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			49.28	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	156.00	STATIC WATER:	16.6	GALLONS / FOOT:	0.65	1 WELL VOLUME=	39.90

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0800	1200	120.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0800	0.00	0.00	0.00	16.60	7.52	24.56	498	NA	18.9	clear	none
0920	40.00	40.00	0.50	16.80	7.92	24.68	500	NA	15.2	clear	none
1040	40.00	80.00	0.50	17.10	7.21	24.94	630	NA	14.80	clear	none
1200	40.00	120.00	0.50	17.40	7.23	25.26	629	NA	14.5	clear	none

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

START:							
SAMPLED BY (PRINT):	G TORREY		**START:**	1202	**ENDED:**	1205	
WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:			
DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD:	**33.00**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING EQUIPMENT CODES: **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)
pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.		SAMPLE ID:	4MW-27	SAMPLE DATE:	May 1, 2019

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4			49.60	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD:	78.00	STATIC WATER:	16.60	GALLONS / FOOT:	0.65	1 WELL VOLUME=	39.9

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	FINAL PUMP OR TUBING DEPTH IN WELL (FEET):	**PURGING INITIATED AT:**	**PURGING ENDED AT:**	TOTAL VOLUME PURGED (GALLONS):
		0800	1200	120.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (GPM)	DEPTH TO WATER (FEET)	Ph (S.U.)	TEMP. (C°)	COND. (umhos/cm)	D.O. (mg/L)	TURB. (NTUs)	COLOR (describe)	ODOR (describe)
0800	0.00	0.00	0.00	16.60	7.52	24,56	498	NA	18.9	clear	none
0920	40.00	40.00	0.50	16.80	7.92	24.68	500	NA	15.2	cclear	none
1040	40.00	80.00	0.50	17.10	7.21	24.94	630	NA	14.8	clear	none
1200	40.00	120.00	0.50	17.40	7.23	25.26	629	NA	14.5	clear	

*****WATER LEVEL IS BELOW TOP OF PUMP.**

WELL CAPACITY (Gallons Per Foot): **0.75"**=0.02; **1"**=0.04; **1.25"**=0.06; **2"**=0.16; **3"**=0.37; **4"**=0.65; **5"**=1.02; **6"**=1.47; **12"**=5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): **1/8"**=0.0006; **3/16"**=0.0014; **1/4"**=0.0026; **5/16"**=0.004; **3/8"**=0.006; **1/2"**=0.010; **5/8"**=0.016

SAMPLING DATA

VERIFIED:

SAMPLED BY (PRINT):	G TORREY		**START:**	1202	**ENDED:**	1205

WELL (feet):		RATE (ML/MIN.):		TUBING MATERIAL CODE:	

DECONTAMINATION:		FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
# Containers	Cont. Type	Cont. Vol. mls	Lot # Pres.	Preservative	mls Added	FINAL PH		DATE	SERIES	
1	PE	250		H2SO4	0.5	<2	NO3, NH3			BP
1	PE	125		HNO3		<2	Fe,Hg,Na,			BP
1	PE	125	NA	WET ICE	NA	NA	Cl,			BP
1	PE	250	NA	WET ICE	NA	NA	TDS			BP

NGVD: **33.00**

MATERIAL CODES: AG=AMBER GLASS; **CG**=CLEAR GLASS; **PE**=POLYETHYLENE; **PP**=POLYPROPYLENE; **S**=SILICONE; **T**=TEFLON; **O**=OTHER

SAMPLING/PURGING **APP**=After Peristalic Pump; **B**=Bailer; **BP**=Bladder Pump; **ESP**=Electric Submersible Pump; **PP**=Peristalic Pump
EQUIPMENT CODES: **RFPP**=Reverse Flow Peristalic Pump; **SM**=Straw Method(Tube Gravity Drain); **VT**=Vacuum Trap; **O**=Other(Specify)

NOTES: 1. The above does not constitute all of the information required by Chapter 62-160, F.A.C.
2. Stabilization Criteria For Range Of Variation Of Last Three Consecutive Readings (See FS 2212, Section 3)

pH: +/- 0.2 units **Temperature**: +/- 0.2 C **Specific Conductance**: +/-5% **Dissolved Oxygen**: all readings </= 20% saturation (see Table FS 2200-2) optionally, +/-0.2mg/L or +/-10%(whichever is greater) **Turbidity**: all readings <20 NTU; optionally+/- 5NTU or +/- 10% (whichever is greater)

10/19/2016

2MW-2
Z

10/26/2016
4MW13D
HAS DEDICATED PUMP AND DISPENSER TUBING
ITS 2" DIA WELL HAS 4 " CASING
PUMP GIVES GOOD PURGE RATE 2T SETTINGS CPM4 , 107 (9:00/6:00 SEC)
4MW-12D
DEDICATED PUMP . NO DISPENSING TUBING
ITS 2" DIA WELL HAS 4 " CASING
PUMP GIVES GOOD PURGE RATE 2T SETTINGS CPM4 , 107 (9:00/6:00 SEC)
4MW-11D
DEDICATED PUMP . NO DISPENSING TUBING
PUMP GIVES GOOD PURGE RATE 2T SETTINGS CPM4 , 107 (8:00/:00 SEC)
TUBING EXITING PUMP @ WELL CAP IS BRITTLE . OUTER PLASTIC COVERIBG
OF TUBING IS BROKEN OFF AND MISSING

START:

11/2/2016

2MW17S

NO3

2MW19D
labeled 24MW19D
Did not plug compressor to cap.
No tubing attached.
pulled about 40 ft of tubing to dispense water attached to cap; smaller tubing visible about 2 fe
Submersible pump inserted ok for sampling.
did not replce cap and tubing since it did not do back down all the way. 10 foot remaining. Bro
2MW18D
HAS A PUMP. WORKET AT A PURGUING RATE OF 0.5 GPM
IT IS LABELED 2MW18 S
2MW7
18 FT. DEOTH. VERIFIED WITH WATER SENSOR.
STATIC LEVEL 17.5"
4MW8
HAS PUMP.
GREAT RATE 0.80 GPM

et down in the well but unreachable.

ught back to Lab