PASCO COUNTY FLORIDA
OPEN SPACES. VIBRANT PLACES.

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

16 June 2020

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, 2020

To Whom It May Concern:

This submittal is for the Semester I, 2020 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

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

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.

04 June 2020
(Date)

Candia E. Mulhern
Digitally signed by Candia E. Mulhern
Date: 2020.06.04 14:17:54 -04'00'
(Owner or Authorized Representative's Signature)

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

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04 June 2020

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

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: 06 April 2020

I. SAMPLING

Laboratory field staff began sampling the groundwater monitoring wells at the Pasco County Resource Recovery Facility on April 6th, 2020. The site was extremely dry due to lack of rain. Samples were collected from 2 surficial wells. The remaining surficial wells were dry. Otherwise, no unusual environmental conditions were noted during this sampling period.

II. SAMPLE RECEIVING/CUSTODY

The samples were delivered by laboratory field personnel to the Pasco County Environmental Laboratory, 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. Nitrate and nitrite samples were retained at the Pasco County Environmental Laboratory for analysis. The remaining samples, were shipped to Eurofins Test America for analyses. There were no significant logistics or quality problems unless noted below.

III. ANALYTICAL DATA

The samples were analyzed by Eurofins Test America Laboratory, a TNI certified laboratory. Nitrate was determined at the Pasco County Environmental Laboratory by the calculation NO2/NO3 minus NO2. The NO2/NO3 and NO2 sample were both run within the regulatory hold time.

IV. QUALITY CONTROL

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

V. CONCLUSIONS AND RECOMMENDATIONS

Groundwater quality remains consistent in the wells sampled during this reporting period. No elevated concentrations of metals, ammonia, or other sentinel indicators of leachate were observed in the downgradient monitoring wells. The initial analysis for metals demonstrated three samples of Antimony elevated slightly with respect to its GWCTL. Because the results for these samples were below the PQL they were rerun at a lower MDL/PQL. In this analysis these samples were found to be below detection limit. The lower Antimony MDL will be incorporated in future analysis. Any elevated concentrations of monitoring parameters were limited to Iron, DO and pH, this is consistent with historic data for the site and the larger region as a whole. The long term groundwater quality at the site has not indicated the presence of any issues.

PASCO COUNTY FLORIDA
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PASCO COUNTY RESOURCE RECOVERY
EXCEEDED ANALYTES
Semester I, 2020

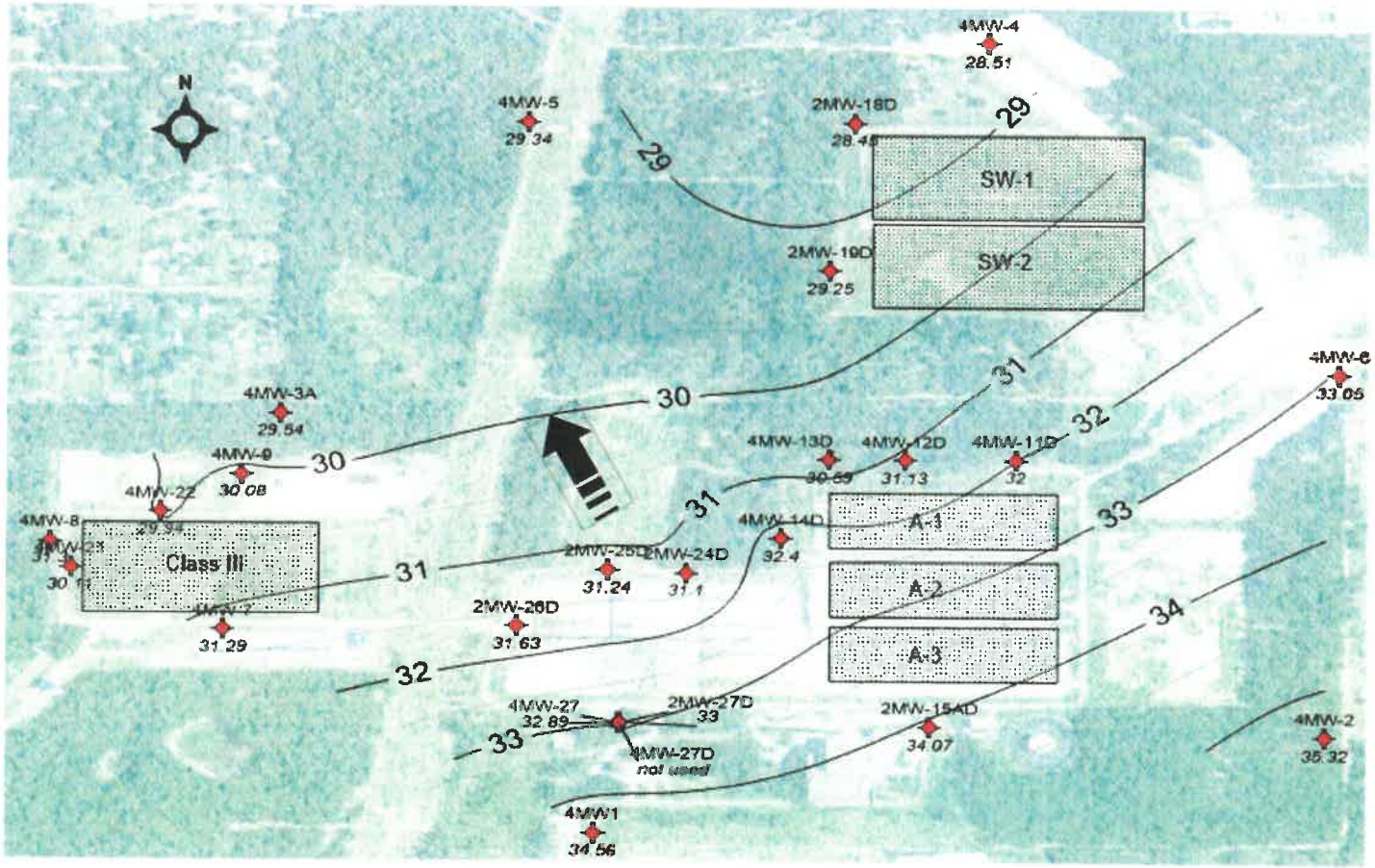
WELL #	SAMPLE DATE	ANALYTE	RESULT	UNITS	REANALYZED	RESULT	UNITS
2MW-18D	23-Apr-20	Antimony	7.30	ug/L	Yes	0.50 U	ug/L
		DO	7.76	mg/L	No	---	---
2MW-24S	8-Apr-20	Iron	1000	ug/L	No	---	---
4MW-3A	28-Apr-20	Antimony	9.10	ug/L	Yes	0.50 U	ug/L
4MW-6	27-Apr-20	DO	5.75	mg/L	No	---	---
4MW-21	30-Apr-20	Antimony	7.40	ug/L	Yes	0.50 U	ug/L
4MW-23	7-Apr-20	Iron	440	ug/L	No	---	---

RESOURCE RECOVERY

WATER LEVEL 2020 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	1-Apr	1235	49.95	DRY	#VALUE!	**2MW-13D**	1-Apr	1007	52.39	DRY	#VALUE!
4MW1	1-Apr	1237	50.34	15.78	34.56	**4MW-13D**	1-Apr	1005	54.04	23.45	30.59
2MW2	1-Apr	0741	56.41	20.50	35.91	**4MW-14D**	1-Apr	1010	52.00	19.60	32.40
4MW2	1-Apr	0740	56.11	20.79	35.32	**2MW-15DA**	1-Apr	0934	54.71	20.64	34.07
2MW3A	1-Apr	0815	50.01	DRY	#VALUE!	**2MW-17S**	1-Apr	0946	53.42	24.86	28.56
4MW3A	1-Apr	0825	52.92	23.38	29.54	**2MW-18D**	1-Apr	0948	52.75	24.30	28.45
2MW4	1-Apr	0753	54.77	DRY	#VALUE!	**2MW-19D**	1-Apr	0951	52.25	23.00	29.25
4MW4	1-Apr	0944	50.81	22.30	28.51	**4MW 21**	1-Apr	0913	51.46	21.35	30.11
2MW5	1-Apr	0803	49.17	DRY	#VALUE!	**4MW 22**	1-Apr	0905	53.44	23.50	29.94
4MW5	1-Apr	0801	49.06	19.72	29.34	**2MW-24S**	1-Apr	1246	50.37	19.25	31.12
2MW6	1-Apr	0747	56.11	DRY	#VALUE!	**2MW-24D**	1-Apr	1248	50.55	19.45	31.10
4MW6	1-Apr	0748	55.95	22.90	33.05	**2MW-25S**	1-Apr	1251	47.84	DRY	#VALUE!
2MW7	1-Apr	831	52.75	DRY	#VALUE!	**2MW-25D**	1-Apr	1253	47.87	16.63	31.24
4MW7	1-Apr	0833	52.62	21.33	31.29	**2MW-26S**	1-Apr	1300	54.16	DRY	#VALUE!
2MW8	1-Apr	0910	51.97	DRY	#VALUE!	**2MW-26D**	1-Apr	1257	54.13	22.50	31.63
4MW8	1-Apr	0911	51.87	20.57	31.30	**2MW-27S**	1-Apr	0931	50.44	17.50	32.94
2MW9	1-Apr	0901	52.29	DRY	#VALUE!	**2MW-27D**	1-Apr	0929	50.32	17.43	32.89
4MW9	1-Apr	0900	52.78	22.70	30.08	**4MW-27**	1-Apr	0927	49.60	16.60	33.00
2MW10	1-Apr	0907	52.63	DRY	#VALUE!	**4MW-27D**	1-Apr	0925	49.28	6.34	42.94
4MW-11D	1-Apr	1000	65.00	33.00	32.00	**4MW-23**	1-Apr		53.69	25.61	28.08
4MW-12D	1-Apr	1002	55.03	23.90	31.13						

NOTES:



Legend:

4MW-22 — Monitoring Well Designation

71.7 — Observed Groundwater Elevation (FT NGVD 1988)

72 — Groundwater Elevation Contour (FT NGVD 1988)

Waste Disposal Area

Direction of Groundwater Flow

JASON M. GORRIE LICENSE No. 55341 STATE OF FLORIDA PROFESSIONAL ENGINEER

POTENTIOMETRIC SURFACE OF THE FLORIDAN AQUIFER

WEST PASCO SOLID WASTE FACILITY

PREPARED BY

Jason M. Gorrie, P.E.

DATA SOURCE

Pasco County Environmental Laboratory
4/1/2020

JMG ENGINEERING

COMPLIANCE PERIOD

1st Half 2020

Pasco County Utilities Environmental Laboratory Report

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/17/2020

Sample Number:	**AC93729**	Sample ID:	4MW12D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/14/2020	Date Received:	04/14/2020
Time Sampled:	09:55	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Nitrite (N)	SM18 4500-NO2 E	04/14/2020	15:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/14/2020	09:55	GST	7.33	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/14/2020	09:55	GST	25.31	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/14/2020	09:55	GST	383	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/14/2020	09:55	GST	3.21	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/14/2020	09:55	GST	0.0	D	NTU	0.00
Color by Observation	Observation	04/14/2020	09:55	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/16/2020	14:39	KS	0.64		mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/14/2020	09:55	GST	30.72	D	Ft.	0

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

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Chris Childress, QA/QC Officer

CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/17/2020

Sample Number:	**AC93730**	Sample ID:	4MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/14/2020	Date Received:	04/14/2020
Time Sampled:	10:37	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Color by Observation	Observation	04/14/2020	10:37	GST	CLEAR	D	ObsColor	0
Turbidity Field	FDEP FT 1600	04/14/2020	10:37	GST	1.4	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/14/2020	10:37	GST	1.79	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/14/2020	10:37	GST	431	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/14/2020	10:37	GST	27.50	D	Deg C	0.00
Nitrate (N)	SM18 4500-NO3 F	04/16/2020	14:39	KS	0.05	I	mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/14/2020	10:37	GST	30.19	D	Ft.	0
Nitrite (N)	SM18 4500-NO2 E	04/14/2020	15:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/14/2020	10:37	GST	7.22	D	Std Units	0.10

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/17/2020

Sample Number:	**AC93731**	Sample ID:	4MW14D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/14/2020	Date Received:	04/14/2020
Time Sampled:	14:26	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Nitrite (N)	SM18 4500-NO2 E	04/14/2020	15:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/14/2020	14:26	GST	7.37	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/14/2020	14:26	GST	27.63	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/14/2020	14:26	GST	385	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/14/2020	14:26	GST	3.77	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/14/2020	14:26	GST	1.2	D	NTU	0.00
Color by Observation	Observation	04/14/2020	14:26	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/16/2020	14:39	KS	0.58		mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/14/2020	14:26	GST	31.04	D	Ft.	0

Analysis Comments

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

West Pasco Res Rec
Hays Road
Shady Hills, Fl

Report Date: 4/17/2020

John Power

Sample Number:	**AC93773**	Sample ID:	4MW8 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/15/2020	Date Received:	04/15/2020
Time Sampled:	14:14	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Nitrate (N)	SM18 4500-NO3 F	04/16/2020	14:39	KS	0.04	U	mg/L	0.04
Color by Observation	Observation	04/15/2020	14:14	GST	CLEAR	D	ObsColor	0
Turbidity Field	FDEP FT 1600	04/15/2020	14:14	GST	2.7	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/15/2020	14:14	GST	1.80	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/15/2020	14:14	GST	335	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/15/2020	14:14	GST	24.36	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	04/15/2020	14:14	GST	30.82	D	Ft.	0
Nitrite (N)	SM18 4500-NO2 E	04/16/2020	15:00	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/15/2020	14:14	GST	7.30	D	Std Units	0.10

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

Report Date: 4/21/2020

Sample Number:	**AC93936**	Sample ID:	2MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/20/2020	Date Received:	04/20/2020
Time Sampled:	10:10	Time Received:	15:15
Sampled By:	GTORREY	Received By:	TA
		Delivered By:	GT

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Water Level (NGVD)	DEP-SOP	04/20/2020	10:10	GST	DRY	D	Ft.	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/15/2020

Sample Number:	**AC93526**	Sample ID:	2MW-24S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/08/2020	Date Received:	04/08/2020
Time Sampled:	09:49	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Nitrite (N)	SM18 4500-NO2 E	04/09/2020	15:30	EC	0.01	I	mg/L	0.004
pH Field	FDEP FT 1100	04/08/2020	09:49	GST	6.72	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/08/2020	09:49	GST	25.44	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/08/2020	09:49	GST	477	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/08/2020	09:49	GST	3.66	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/08/2020	09:49	GST	26.1	D	NTU	0.00
Color by Observation	Observation	04/08/2020	09:49	GST	CLOUDY	D	ObsColor	0
Water Level (NGVD)	DEP-SOP	04/08/2020	09:49	GST	31.12	D	Ft.	0
Nitrate (N)	SM18 4500-NO3 F	04/09/2020	10:12	KS	2.93		mg/L	0.04

Analysis Comments

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Pasco County Res Rec
Hays Road
Shady Hills, Fl

Report Date: 4/15/2020

John Power

Sample Number:	**AC93558**	Sample ID:	4MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/09/2020	Date Received:	04/09/2020
Time Sampled:	10:55	Time Received:	15:00
Sampled By:	GTORREY	Received By:	LR
		Delivered By:	GT

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
Nitrite (N)	SM18 4500-NO2 E	04/09/2020	15:30	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/09/2020	10:55	GST	7.27	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/09/2020	10:55	GST	24.70	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/09/2020	10:55	GST	441	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/09/2020	10:55	GST	1.69	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/09/2020	10:55	GST	0.0	D	NTU	0.00
Color by Observation	Observation	04/09/2020	10:55	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/14/2020	11:56	KS	0.33		mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/09/2020	10:55	GST	29.78	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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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

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/15/2020

Sample Number:	**AC93769**	Sample ID:	2MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/15/2020	Date Received:	04/15/2020
Time Sampled:	10:40	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/15/2020	10:40	GST	DRY	D	Ft.	0

Analysis Comments

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).
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CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
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Hays Road
Shady Hills, Fl

John Power

Report Date: 4/15/2020

Sample Number:	**AC93770**	Sample ID:	2MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/15/2020	Date Received:	04/15/2020
Time Sampled:	11:25	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/15/2020	11:25	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
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John Power

Report Date: 4/15/2020

Sample Number:	**AC93771**	Sample ID:	2MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/15/2020	Date Received:	04/15/2020
Time Sampled:	11:35	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/15/2020	11:35	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/15/2020

Sample Number:	**AC93772**	Sample ID:	2MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/15/2020	Date Received:	04/15/2020
Time Sampled:	11:50	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/15/2020	11:50	GST	DRY	D	Ft.	0

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

Report Date: 4/7/2020

Sample Number:	**AC93439**	Sample ID:	2MW-25S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/06/2020	Date Received:	04/06/2020
Time Sampled:	10:50	Time Received:	15:05
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/06/2020	10:50	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Report Date: 4/7/2020

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Sample Number:	**AC93436**	Sample ID:	2MW-26S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/06/2020	Date Received:	04/06/2020
Time Sampled:	09:21	Time Received:	15:05
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/06/2020	09:21	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

West Pasco Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 4/14/2020

John Power

Sample Number:	**AC93473**	Sample ID:	4MW7 @ Res Rec
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/07/2020	Date Received:	04/07/2020
Time Sampled:	10:36	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Temperature Field	FDEP FT 1400	04/07/2020	10:36	GST	24.77	D	Deg C	0.00
pH Field	FDEP FT 1100	04/07/2020	10:36	GST	7.27	D	Std Units	0.10
Conductivity Field	FDEP FT 1200	04/07/2020	10:36	GST	362	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/07/2020	10:36	GST	1.83	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/07/2020	10:36	GST	0.0	D	NTU	0.00
Color by Observation	Observation	04/07/2020	10:36	GST	CLEAR	D	ObsColor	0
Nitrite (N)	SM18 4500-NO2 E	04/07/2020	15:40	EC	0.004	U	mg/L	0.004
Nitrate (N)	SM18 4500-NO3 F	04/09/2020	10:12	KS	0.28		mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/07/2020	10:36	GST	31.3	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/14/2020

Sample Number:	**AC93474**	Sample ID:	4MW11D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/07/2020	Date Received:	04/07/2020
Time Sampled:	12:44	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Nitrite (N)	SM18 4500-NO2 E	04/07/2020	15:40	EC	0.004	U	mg/L	0.004
Water Level (NGVD)	DEP-SOP	04/07/2020	12:44	GST	31.99	D	Ft.	0
pH Field	FDEP FT 1100	04/07/2020	12:44	GST	7.35	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/07/2020	12:44	GST	25.14	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/07/2020	12:44	GST	367	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/07/2020	12:44	GST	2.42	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/07/2020	12:44	GST	0.7	D	NTU	0.00
Nitrate (N)	SM18 4500-NO3 F	04/09/2020	10:12	KS	0.68		mg/L	0.04
Color by Observation	Observation	04/07/2020	12:44	GST	CLOUDY	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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PASCO COUNTY FLORIDA
OPEN SPACES. VIBRANT PLACES.

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CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl

Report Date: 4/14/2020

John Power

Sample Number:	**AC93475**	Sample ID:	4MW23 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/07/2020	Date Received:	04/07/2020
Time Sampled:	13:47	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Color by Observation	Observation	04/07/2020	13:47	GST	CLEAR	D	ObsColor	0
Water Level (NGVD)	DEP-SOP	04/07/2020	13:47	GST	29.08	D	Ft.	0
Conductivity Field	FDEP FT 1200	04/07/2020	13:47	GST	538	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/07/2020	13:47	GST	25.05	D	Deg C	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/07/2020	13:47	GST	1.85	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/07/2020	13:47	GST	0.5	D	NTU	0.00
Nitrite (N)	SM18 4500-NO2 E	04/07/2020	15:40	EC	0.004	U	mg/L	0.004
Nitrate (N)	SM18 4500-NO3 F	04/09/2020	10:12	KS	0.04	U	mg/L	0.04
pH Field	FDEP FT 1100	04/07/2020	13:47	GST	7.24	D	Std Units	0.10

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

Report Date: 4/14/2020

Sample Number:	**AC93526**	Sample ID:	2MW-24S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/08/2020	Date Received:	04/08/2020
Time Sampled:	09:49	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Nitrite (N)	SM18 4500-NO2 E	04/09/2020	15:30	EC	0.01	I	mg/L	0.004
pH Field	FDEP FT 1100	04/08/2020	09:49	GST	6.72	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/08/2020	09:49	GST	25.44	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/08/2020	09:49	GST	477	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/08/2020	09:49	GST	3.66	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/08/2020	09:49	GST	26.1	D	NTU	0.00
Nitrate (N)	SM18 4500-NO3 F	04/09/2020	10:12	KS	2.94		mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/08/2020	09:49	GST	31.12	D	Ft.	0
Color by Observation	Observation	04/08/2020	09:49	GST	CLOUDY	D	ObsColor	0

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

Report Date: 4/14/2020

Sample Number:	**AC93527**	Sample ID:	2MW-24D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/08/2020	Date Received:	04/08/2020
Time Sampled:	10:41	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Turbidity Field	FDEP FT 1600	04/08/2020	10:41	GST	1.6	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/08/2020	10:41	GST	2.98	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/08/2020	10:41	GST	523	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/08/2020	10:41	GST	25.88	D	Deg C	0.00
pH Field	FDEP FT 1100	04/08/2020	10:41	GST	7.15	D	Std Units	0.10
Water Level (NGVD)	DEP-SOP	04/08/2020	10:41	GST	31.1	D	Ft.	0
Color by Observation	Observation	04/08/2020	10:41	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/09/2020	10:12	KS	1.21		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 E	04/09/2020	15:30	EC	0.004	U	mg/L	0.004

Analysis Comments

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CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl

Report Date: 4/14/2020

John Power

Sample Number:	**AC93528**	Sample ID:	4MW22
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/08/2020	Date Received:	04/08/2020
Time Sampled:	13:57	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
Nitrite (N)	SM18 4500-NO2 E	04/09/2020	15:30	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/08/2020	13:57	GST	7.08	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/08/2020	13:57	GST	25.16	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/08/2020	13:57	GST	457	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/08/2020	13:57	GST	2.72	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/08/2020	13:57	GST	0.6	D	NTU	0.00
Nitrate (N)	SM18 4500-NO3 F	04/09/2020	10:12	KS	0.04	U	mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/08/2020	13:57	GST	29.6	D	Ft.	0
Color by Observation	Observation	04/08/2020	13:57	GST	CLEAR	D	ObsColor	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/14/2020

Sample Number:	**AC93557**	Sample ID:	2MW9 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/09/2020	Date Received:	04/09/2020
Time Sampled:	10:10	Time Received:	15:00
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
Water Level (NGVD)	DEP-SOP	04/09/2020	10:10	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/14/2020

Sample Number:	**AC93559**	Sample ID:	2MW10 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/09/2020	Date Received:	04/09/2020
Time Sampled:	11:15	Time Received:	15:00
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
Water Level (NGVD)	DEP-SOP	04/09/2020	11:15	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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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
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Contacts: Annamarie Cangialosi, Administrative Secretary
Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/14/2020

Sample Number:	**AC93560**	Sample ID:	2MW8 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/09/2020	Date Received:	04/09/2020
Time Sampled:	12:30	Time Received:	15:00
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
Water Level (NGVD)	DEP-SOP	04/09/2020	12:30	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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PASCO COUNTY FLORIDA
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CLIENT/SAMPLE INFORMATION

Report Date: 4/14/2020

Resource Recovery
Class III Landfill
Hays Road
Shady Hills, Fl

John Power

Sample Number:	**AC93561**	Sample ID:	2MW7 @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/09/2020	Date Received:	04/09/2020
Time Sampled:	12:47	Time Received:	15:00
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
Water Level (NGVD)	DEP-SOP	04/09/2020	12:47	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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PASCO COUNTY FLORIDA
OPEN SPACES. VIBRANT PLACES.

CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/14/2020

Sample Number:	**AC93562**	Sample ID:	2MW13D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/09/2020	Date Received:	04/09/2020
Time Sampled:	13:15	Time Received:	15:00
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
Water Level (NGVD)	DEP-SOP	04/09/2020	13:15	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/8/2020

Sample Number:	**AC93440**	Sample ID:	2MW15DA @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/06/2020	Date Received:	04/06/2020
Time Sampled:	13:54	Time Received:	15:05
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/06/2020	13:54	GST	34.1	D	Ft.	0
Nitrite (N)	SM18 4500-NO2 E	04/07/2020	15:40	EC	0.004	U	mg/L	0.004
Nitrate (N)	SM18 4500-NO3 F	04/07/2020	14:43	KS	0.09	I	mg/L	0.04
Color by Observation	Observation	04/06/2020	13:54	GST	CLOUDY	D	ObsColor	0
Turbidity Field	FDEP FT 1600	04/06/2020	13:54	GST	0.3	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/06/2020	13:54	GST	2.86	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/06/2020	13:54	GST	288	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/06/2020	13:54	GST	25.14	D	Deg C	0.00
pH Field	FDEP FT 1100	04/06/2020	13:54	GST	7.43	D	Std Units	0.10

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

Report Date: 4/8/2020

Sample Number:	**AC93438**	Sample ID:	2MW-25D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/06/2020	Date Received:	04/06/2020
Time Sampled:	10:35	Time Received:	15:05
Sampled By:	GTORREY	Received By:	TA
		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	04/06/2020	10:35	GST	639	D	umhos/cm	1
Water Level (NGVD)	DEP-SOP	04/06/2020	10:35	GST	28.24	D	Ft.	0
Temperature Field	FDEP FT 1400	04/06/2020	10:35	GST	26.33	D	Deg C	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/06/2020	10:35	GST	2.27	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/06/2020	10:35	GST	13.1	D	NTU	0.00
Color by Observation	Observation	04/06/2020	10:35	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/07/2020	14:43	KS	1.19		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 E	04/07/2020	15:40	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/06/2020	10:35	GST	7.13	D	Std Units	0.10

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

Report Date: 4/8/2020

Sample Number:	**AC93437**	Sample ID:	2MW-26D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/06/2020	Date Received:	04/06/2020
Time Sampled:	09:44	Time Received:	15:05
Sampled By:	GTORREY	Received By:	TA
		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
Turbidity Field	FDEP FT 1600	04/06/2020	09:44	GST	1.6	D	NTU	0.00
pH Field	FDEP FT 1100	04/06/2020	09:44	GST	7.24	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/06/2020	09:44	GST	25.40	D	Deg C	0.00
Water Level (NGVD)	DEP-SOP	04/06/2020	09:44	GST	31.62	D	Ft.	0
Color by Observation	Observation	04/06/2020	09:44	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/07/2020	14:43	KS	0.27		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 E	04/07/2020	15:40	EC	0.004	U	mg/L	0.004
Conductivity Field	FDEP FT 1200	04/06/2020	09:44	GST	528	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/06/2020	09:44	GST	2.88	D	mg/L	0.01

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

Report Date: 4/24/2020

Sample Number:	**AC94072**	Sample ID:	2MW17S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/23/2020	Date Received:	04/23/2020
Time Sampled:	11:10	Time Received:	15:23
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/23/2020	11:10	GST	DRY	D	Ft.	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Report Date: 4/29/2020

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Sample Number:	**AC93768**	Sample ID:	4MW4 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/15/2020	Date Received:	04/15/2020
Time Sampled:	10:25	Time Received:	15:00
Sampled By:	GTORREY	Received By:	TA
		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
pH Field	FDEP FT 1100	04/15/2020	10:25	GST	7.27	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/15/2020	10:25	GST	25.33	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/15/2020	10:25	GST	353	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/15/2020	10:25	GST	3.26	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/15/2020	10:25	GST	9.6	D	NTU	0.00
Color by Observation	Observation	04/15/2020	10:25	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	0.48		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 E	04/16/2020	15:00	EC	0.004	U	mg/L	0.004
Water Level (NGVD)	DEP-SOP	04/15/2020	10:25	GST	27.04	D	Ft.	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/29/2020

Sample Number:	**AC93817**	Sample ID:	4MW5 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/16/2020	Date Received:	04/16/2020
Time Sampled:	12:34	Time Received:	13:30
Sampled By:	GTORREY	Received By:	TA
		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
Turbidity Field	FDEP FT 1600	04/16/2020	12:34	GST	1.3	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	04/16/2020	12:34	GST	28.83	D	Ft.	0
pH Field	FDEP FT 1100	04/16/2020	12:34	GST	7.20	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/16/2020	12:34	GST	23.12	D	Deg C	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/16/2020	12:34	GST	1.95	D	mg/L	0.01
Color by Observation	Observation	04/16/2020	12:34	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	0.66		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 E	04/16/2020	15:00	EC	0.004	U	mg/L	0.004
Conductivity Field	FDEP FT 1200	04/16/2020	12:34	GST	581	D	umhos/cm	1

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/29/2020

Sample Number:	**AC93937**	Sample ID:	4MW2 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/20/2020	Date Received:	04/20/2020
Time Sampled:	10:53	Time Received:	15:15
Sampled By:	GTORREY	Received By:	TA
		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
Nitrite (N)	SM18 4500-NO2 E	04/21/2020	15:05	EC	0.004	U	mg/L	0.004
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	0.90		mg/L	0.04
Color by Observation	Observation	04/20/2020	10:53	GST	CLEAR	D	ObsColor	0
Turbidity Field	FDEP FT 1600	04/20/2020	10:53	GST	0.6	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/20/2020	10:53	GST	1.68	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/20/2020	10:53	GST	226	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/20/2020	10:53	GST	24.33	D	Deg C	0.00
pH Field	FDEP FT 1100	04/20/2020	10:53	GST	7.74	D	Std Units	0.10
Water Level (NGVD)	DEP-SOP	04/20/2020	10:53	GST	39.93	D	Ft.	0

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Resource Recovery
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Hays Road
Shady Hills, Fl

John Power

Report Date: 4/29/2020

Sample Number:	**AC93938**	Sample ID:	2MW19D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/20/2020	Date Received:	04/20/2020
Time Sampled:	14:02	Time Received:	15:15
Sampled By:	GTORREY	Received By:	TA
		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
Color by Observation	Observation	04/20/2020	14:02	GST	CLOUDY	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	0.13		mg/L	0.04
Turbidity Field	FDEP FT 1600	04/20/2020	14:02	GST	19.5	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/20/2020	14:02	GST	2.72	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/20/2020	14:02	GST	438	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/20/2020	14:02	GST	25.98	D	Deg C	0.00
pH Field	FDEP FT 1100	04/20/2020	14:02	GST	7.21	D	Std Units	0.10
Water Level (NGVD)	DEP-SOP	04/20/2020	14:02	GST	28.66	D	Ft.	0
Nitrite (N)	SM18 4500-NO2 E	04/21/2020	15:05	EC	0.006	I	mg/L	0.004

Analysis Comments

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CLIENT/SAMPLE INFORMATION

Resource Recovery
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Shady Hills, Fl

John Power

Report Date: 4/29/2020

Sample Number:	**AC94071**	Sample ID:	2MW18D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/23/2020	Date Received:	04/23/2020
Time Sampled:	09:53	Time Received:	15:23
Sampled By:	GTORREY	Received By:	TA
		Delivered By:	GT

REPORT OF ANALYSES

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Analysis	Method	Date	Time	By	Result	Qualifier	Unit	Detection Limit
pH Field	FDEP FT 1100	04/23/2020	09:53	GST	7.20	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/23/2020	09:53	GST	24.85	D	Deg C	0.00
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	0.41		mg/L	0.04
Color by Observation	Observation	04/23/2020	09:53	GST	CLEAR	D	ObsColor	0
Turbidity Field	FDEP FT 1600	04/23/2020	09:53	GST	0.2	D	NTU	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/23/2020	09:53	GST	2.26	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/23/2020	09:53	GST	476	D	umhos/cm	1
Nitrite (N)	SM18 4500-NO2 E	04/24/2020	12:45	EC	0.004	U	mg/L	0.004
Water Level (NGVD)	DEP-SOP	04/23/2020	09:53	GST	27.75	D	Ft.	0

Analysis Comments

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Shady Hills, Fl

John Power

Report Date: 4/29/2020

Sample Number:	**AC94160**	Sample ID:	4MW6 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/27/2020	Date Received:	04/27/2020
Time Sampled:	13:47	Time Received:	15:05
Sampled By:	GTORREY	Received By:	TA
		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
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	0.46		mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/27/2020	13:47	GST	32.35	D	Ft.	0
pH Field	FDEP FT 1100	04/27/2020	13:47	GST	7.93	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/27/2020	13:47	GST	24.21	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/27/2020	13:47	GST	156	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/27/2020	13:47	GST	5.75	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/27/2020	13:47	GST	3.9	D	NTU	0.00
Color by Observation	Observation	04/27/2020	13:47	GST	CLEAR	D	ObsColor	0
Nitrite (N)	SM18 4500-NO2 E	04/28/2020	15:35	EC	0.004	U	mg/L	0.004

Analysis Comments

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

CLIENT/SAMPLE INFORMATION

West Pasco Class III Landfill
Hays Road
Shady Hills, Fl

Report Date: 4/29/2020

John Power

Sample Number:	**AC94230**	Sample ID:	4MW3A @ CLASS III
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/28/2020	Date Received:	04/28/2020
Time Sampled:	09:19	Time Received:	14:55
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/28/2020	09:19	GST	29.77	D	Ft.	0
Nitrite (N)	SM18 4500-NO2 E	04/28/2020	15:35	EC	0.004	U	mg/L	0.004
pH Field	FDEP FT 1100	04/28/2020	09:19	GST	7.19	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/28/2020	09:19	GST	23.55	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/28/2020	09:19	GST	447	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/28/2020	09:19	GST	2.09	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/28/2020	09:19	GST	1.3	D	NTU	0.00
Color by Observation	Observation	04/28/2020	09:19	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	0.04	U	mg/L	0.04

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/29/2020

Sample Number:	**AC94231**	Sample ID:	4MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/28/2020	Date Received:	04/28/2020
Time Sampled:	12:56	Time Received:	14:55
Sampled By:	GTORREY	Received By:	TA
		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
Turbidity Field	FDEP FT 1600	04/28/2020	12:56	GST	2.6	D	NTU	0.00
Water Level (NGVD)	DEP-SOP	04/28/2020	12:56	GST	33.99	D	Ft.	0
pH Field	FDEP FT 1100	04/28/2020	12:56	GST	7.10	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/28/2020	12:56	GST	25.44	D	Deg C	0.00
Dissolved Oxygen Field	FDEP FT 1500	04/28/2020	12:56	GST	2.59	D	mg/L	0.01
Color by Observation	Observation	04/28/2020	12:56	GST	CLEAR	D	ObsColor	0
Nitrate (N)	SM18 4500-NO3 F	04/29/2020	14:30	KS	1.36		mg/L	0.04
Nitrite (N)	SM18 4500-NO2 E	04/28/2020	15:35	EC	0.004	U	mg/L	0.004
Conductivity Field	FDEP FT 1200	04/28/2020	12:56	GST	836	D	umhos/cm	1

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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PASCO COUNTY FLORIDA
OPEN SPACES. VIBRANT PLACES.

CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

Report Date: 4/30/2020

John Power

Sample Number:	**AC94301**	Sample ID:	2MW27S @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/30/2020	Date Received:	04/30/2020
Time Sampled:	12:30	Time Received:	14:30
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/30/2020	12:30	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 4/28/2020

Sample Number:	**AC94232**	Sample ID:	2MW1 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/28/2020	Date Received:	04/28/2020
Time Sampled:	13:15	Time Received:	14:55
Sampled By:	GTORREY	Received By:	TA
		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
Water Level (NGVD)	DEP-SOP	04/28/2020	13:15	GST	DRY	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Chris Childress, QA/QC Officer

Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 5/8/2020

Sample Number:	**AC94269**	Sample ID:	4MW27 @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/29/2020	Date Received:	04/29/2020
Time Sampled:	12:02	Time Received:	15:10
Sampled By:	GTORREY	Received By:	TA
		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
Nitrate (N)	SM18 4500-NO3 F	05/07/2020	15:28	KS	0.04	U	mg/L	0.04
pH Field	FDEP FT 1100	04/29/2020	12:02	GST	7.59	D	Std Units	0.10
Temperature Field	FDEP FT 1400	04/29/2020	12:02	GST	24.77	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	04/29/2020	12:02	GST	276	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	04/29/2020	12:02	GST	3.75	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	04/29/2020	12:02	GST	1.9	D	NTU	0.00
Color by Observation	Observation	04/29/2020	12:02	GST	CLEAR	D	ObsColor	0
Nitrite (N)	SM18 4500-NO2 E	04/30/2020	11:00	EC	0.004	U	mg/L	0.004
Water Level (NGVD)	DEP-SOP	04/29/2020	12:02	GST	32.73	D	Ft.	0

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

West Pasco Landfill
Hays Road
Shady Hills, Fl

Report Date: 5/8/2020

John Power

Sample Number:	**AC94299**	Sample ID:	4MW21 @ RES REC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	04/30/2020	Date Received:	04/30/2020
Time Sampled:	10:35	Time Received:	14:30
Sampled By:	GTORREY	Received By:	TA
		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
Nitrate (N)	SM18 4500-NO3 F	05/07/2020	15:28	KS	6.13		mg/L	0.04
Water Level (NGVD)	DEP-SOP	04/30/2020	10:35	GST	30.38	D	Ft.	0
Color by Observation	Observation	04/30/2020	10:35	GST	CLEAR	D	ObsColor	0
Dissolved Oxygen Field	FDEP FT 1500	04/30/2020	10:35	GST	6.51	D	mg/L	0.01
Conductivity Field	FDEP FT 1200	04/30/2020	10:35	GST	135	D	umhos/cm	1
Temperature Field	FDEP FT 1400	04/30/2020	10:35	GST	24.58	D	Deg C	0.00
pH Field	FDEP FT 1100	04/30/2020	10:35	GST	5.43	D	Std Units	0.10
Turbidity Field	FDEP FT 1600	04/30/2020	10:35	GST	3.2	D	NTU	0.00
Nitrite (N)	SM18 4500-NO2 E	05/01/2020	13:20	EC	0.004	U	mg/L	0.004

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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Hours: Mon-Fri 8am-5pm

CLIENT/SAMPLE INFORMATION

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 5/8/2020

Sample Number:	**AC94389**	Sample ID:	4MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	05/04/2020	Date Received:	05/04/2020
Time Sampled:	14:32	Time Received:	15:08
Sampled By:	GTORREY	Received By:	TA
		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
Nitrate (N)	SM18 4500-NO3 F	05/07/2020	15:28	KS	0.20		mg/L	0.04
Water Level (NGVD)	DEP-SOP	05/04/2020	14:32	GST	32.08	D	Ft.	0
pH Field	FDEP FT 1100	05/04/2020	14:32	GST	7.36	D	Std Units	0.10
Temperature Field	FDEP FT 1400	05/04/2020	14:32	GST	25.92	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	05/04/2020	14:32	GST	599	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	05/04/2020	14:32	GST	2.95	D	mg/L	0.01
Color by Observation	Observation	05/04/2020	14:32	GST	CLEAR	D	ObsColor	0
Nitrite (N)	SM18 4500-NO2 E	05/05/2020	14:25	EC	0.004	U	mg/L	0.004

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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CLIENT/SAMPLE INFORMATION Hours: Mon-Fri 8am-5pm

Resource Recovery
Class I Landfill
Hays Road
Shady Hills, Fl

John Power

Report Date: 5/8/2020

Sample Number:	**AC94406**	Sample ID:	2MW27D @ RESREC
Sample Method:	SP	Sample Matrix:	AQUEOUS-Groundwater
Date Sampled:	05/05/2020	Date Received:	05/05/2020
Time Sampled:	10:00	Time Received:	12:25
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
pH Field	FDEP FT 1100	05/05/2020	10:00	GST	7.24	D	Std Units	0.10
Temperature Field	FDEP FT 1400	05/05/2020	10:00	GST	25.07	D	Deg C	0.00
Conductivity Field	FDEP FT 1200	05/05/2020	10:00	GST	691	D	umhos/cm	1
Dissolved Oxygen Field	FDEP FT 1500	05/05/2020	10:00	GST	2.60	D	mg/L	0.01
Turbidity Field	FDEP FT 1600	05/05/2020	10:00	GST	3.3	D	NTU	0.00
Color by Observation	Observation	05/05/2020	10:00	GST	CLEAR	D	ObsColor	0
Nitrite (N)	SM18 4500-NO2 E	05/05/2020	14:25	EC	0.004	U	mg/L	0.004
Water Level (NGVD)	DEP-SOP	05/05/2020	10:00	GST	32.32	D	Ft.	0
Nitrate (N)	SM18 4500-NO3 F	05/07/2020	15:28	KS	1.45		mg/L	0.04

Analysis Comments

Candia E. Mulhern, Laboratory Manager

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ANALYTICAL REPORT

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

Laboratory Job ID: 660-101389-1
Client Project/Site: Resource Recovery

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

Attn: Candia E Mulhern

Jess Hornsby

Authorized for release by:
5/15/2020 4:30:27 PM

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(813)280-8340
jess.hornsby@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Detection Summary 4
Case Narrative 11
Definitions/Glossary 12
Client Sample Results 13
QC Sample Results 65
QC Association Summary 144
Lab Chronicle 162
Method Summary 171
Certification Summary 172
Chain of Custody 173
Receipt Checklists 192

Sample Summary

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

Job ID: 660-101389-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-101389-1	2MW-26D	Water	04/06/20 09:44	04/07/20 09:20	
660-101389-2	2MW-25D	Water	04/06/20 10:35	04/07/20 09:20	
660-101389-3	2MW-15DA	Water	04/06/20 13:54	04/07/20 09:20	
660-101470-1	2MW 24S	Water	04/08/20 09:49	04/09/20 09:25	
660-101470-2	2MW 24D	Water	04/08/20 10:41	04/09/20 09:25	
660-101470-3	4MW 22	Water	04/08/20 13:57	04/09/20 09:25	
660-101471-1	4MW-7	Water	04/07/20 10:36	04/09/20 09:25	
660-101471-2	4MW-11D	Water	04/07/20 12:44	04/09/20 09:25	
660-101471-3	4MW-23	Water	04/07/20 13:47	04/09/20 09:25	
660-101535-1	4MW-9	Water	04/09/20 10:55	04/14/20 10:53	
660-101616-1	4MW12D	Water	04/14/20 09:55	04/16/20 08:38	
660-101616-2	4MW13D	Water	04/14/20 10:37	04/16/20 08:38	
660-101616-3	4MW14D	Water	04/14/20 14:26	04/16/20 08:38	
660-101617-1	4MW4	Water	04/15/20 10:25	04/16/20 08:38	
660-101617-2	4MW8	Water	04/15/20 14:14	04/16/20 08:38	
660-101667-1	4MW2	Water	04/20/20 10:53	04/21/20 09:19	
660-101667-2	2MW19D	Water	04/20/20 14:02	04/21/20 09:19	
660-101668-1	4MW5	Water	04/16/20 12:34	04/21/20 09:19	
660-101800-1	4MW6	Water	04/27/20 13:47	04/28/20 10:32	
660-101801-1	2MW18D	Water	04/23/20 09:53	04/28/20 10:32	
660-101864-1	4MW27	Water	04/29/20 12:02	04/30/20 09:08	
660-101865-1	4MW3A	Water	04/28/20 09:19	04/30/20 09:08	
660-101865-2	4MW1	Water	04/28/20 12:56	04/30/20 09:08	
660-101914-1	4MW21	Water	04/30/20 10:35	05/05/20 09:43	
660-101915-1	4MW27D	Water	05/04/20 14:32	05/05/20 09:43	
660-101989-1	2MW27D	Water	05/05/20 10:00	05/07/20 09:36	

Detection Summary

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

Job ID: 660-101389-1

Client Sample ID: 2MW-26D — Lab Sample ID: 660-101389-1

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
Sodium	24000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	15		10	0.40	ug/L	1		6010D	Total Recoverable
Nickel	1.5	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	310		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 2MW-25D — Lab Sample ID: 660-101389-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	73		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	32000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	20		10	0.40	ug/L	1		6010D	Total Recoverable
Cobalt	1.1	I	10	1.0	ug/L	1		6010D	Total Recoverable
Nickel	1.9	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	390		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 2MW-15DA — Lab Sample ID: 660-101389-3

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.0		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	66	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	3900		1000	120	ug/L	1		6010D	Total Recoverable
Barium	8.3	I	10	0.40	ug/L	1		6010D	Total Recoverable
Cobalt	1.8	I	10	1.0	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	160		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 2MW 24S — Lab Sample ID: 660-101470-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	1000		200	25	ug/L	1		6010D	Total Recoverable
Arsenic	1.9	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	9900		1000	120	ug/L	1		6010D	Total Recoverable
Barium	23		10	0.40	ug/L	1		6010D	Total Recoverable
Chromium	5.3	I	10	1.1	ug/L	1		6010D	Total Recoverable
Cobalt	1.8	I	10	1.0	ug/L	1		6010D	Total Recoverable
Lead	3.9	I	10	2.0	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2MW 24S (Continued)

Lab Sample ID: 660-101470-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Nickel	2.9	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Vanadium	12	I V	20	4.4	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	270		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 2MW 24D

Lab Sample ID: 660-101470-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	42		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	20000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	16		10	0.40	ug/L	1		6010D	Total Recoverable
Lead	2.5	I	10	2.0	ug/L	1		6010D	Total Recoverable
Vanadium	6.8	I V	20	4.4	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	280		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW 22

Lab Sample ID: 660-101470-3

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
Iron	280		200	25	ug/L	1		6010D	Total Recoverable
Arsenic	2.8	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	7100		1000	120	ug/L	1		6010D	Total Recoverable
Barium	12		10	0.40	ug/L	1		6010D	Total Recoverable
Ammonia	0.11	I	0.25	0.10	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	230		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-7

Lab Sample ID: 660-101471-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	5200		1000	120	ug/L	1		6010D	Total Recoverable
Barium	8.8	I	10	0.40	ug/L	1		6010D	Total Recoverable
Cadmium	0.47	I	4.0	0.46	ug/L	1		6010D	Total Recoverable
Vanadium	7.1	I V	20	4.4	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	180		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-11D

Lab Sample ID: 660-101471-2

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
Sodium	8100		1000	120	ug/L	1		6010D	Total Recoverable
Barium	7.7	I	10	0.40	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 4MW-11D (Continued)

Lab Sample ID: 660-101471-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Total Dissolved Solids	190		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-23

Lab Sample ID: 660-101471-3

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
Iron	440		200	25	ug/L	1		6010D	Total Recoverable
Arsenic	2.6	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	25000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	8.8	I	10	0.40	ug/L	1		6010D	Total Recoverable
Cobalt	2.0	I	10	1.0	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	310		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW-9

Lab Sample ID: 660-101535-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	30		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Arsenic	1.9	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	10000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	9.1	I	10	0.40	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	250		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW12D

Lab Sample ID: 660-101616-1

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
Sodium	6900		1000	120	ug/L	1		6010D	Total Recoverable
Barium	6.9	I	10	0.40	ug/L	1		6010D	Total Recoverable
Cobalt	1.5	I	10	1.0	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	170		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW13D

Lab Sample ID: 660-101616-2

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
Arsenic	2.3	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	9400		1000	120	ug/L	1		6010D	Total Recoverable
Barium	8.4	I	10	0.40	ug/L	1		6010D	Total Recoverable
Nickel	0.96	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	190		20	20	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: 660-101389-1

Client Sample ID: 4MW14D — Lab Sample ID: 660-101616-3

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	96	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	10000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	11		10	0.40	ug/L	1		6010D	Total Recoverable
Chromium	1.4	I	10	1.1	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	160		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW4 — Lab Sample ID: 660-101617-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	15		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	53	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	5600		1000	120	ug/L	1		6010D	Total Recoverable
Barium	8.7	I	10	0.40	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	190		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW8 — Lab Sample ID: 660-101617-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	11		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	4600		1000	120	ug/L	1		6010D	Total Recoverable
Barium	8.0	I	10	0.40	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	200		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW2 — Lab Sample ID: 660-101667-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.4		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	7.2	I	10	0.40	ug/L	1		6010D	Total Recoverable
Cobalt	1.8	I	10	1.0	ug/L	1		6010D	Total Recoverable
Silver	1.5	I	10	1.5	ug/L	1		6010D	Total Recoverable
Vanadium	4.8	I	20	4.4	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	100		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 2MW19D — Lab Sample ID: 660-101667-2

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
Iron	140	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	7000		1000	120	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 2MW19D (Continued)

Lab Sample ID: 660-101667-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Barium	10		10	0.40	ug/L	1		6010D	Total Recoverable
Chromium	1.2	I	10	1.1	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	230		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW5

Lab Sample ID: 660-101668-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	61		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	27000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	11		10	0.40	ug/L	1		6010D	Total Recoverable
Nickel	1.5	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	300		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW6

Lab Sample ID: 660-101800-1

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
Sodium	2500		1000	120	ug/L	1		6010D	Total Recoverable
Barium	4.6	I	10	0.40	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	76		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 2MW18D

Lab Sample ID: 660-101801-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	24		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Antimony	7.3	I	20	4.0	ug/L	1		6010D	Total Recoverable
Iron	56	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	9800		1000	120	ug/L	1		6010D	Total Recoverable
Barium	9.4	I	10	0.40	ug/L	1		6010D	Total Recoverable
Cobalt	1.9	I	10	1.0	ug/L	1		6010D	Total Recoverable
Ammonia	1.6	J3	0.25	0.10	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	260		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW27

Lab Sample ID: 660-101864-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	5.0		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	58	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	3400		1000	120	ug/L	1		6010D	Total Recoverable
Barium	10		10	0.40	ug/L	1		6010D	Total Recoverable
Cobalt	1.5	I	10	1.0	ug/L	1		6010D	Total Recoverable

This Detection Summary does not include radiochemical test results.

Client Sample ID: 4MW27 (Continued) — Lab Sample ID: 660-101864-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Ammonia	0.24	I J3	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: 4MW3A — Lab Sample ID: 660-101865-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	28		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Antimony	9.1	I	20	4.0	ug/L	1		6010D	Total Recoverable
Iron	130	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	12000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	11		10	0.40	ug/L	1		6010D	Total Recoverable
Ammonia	0.12	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: 4MW1 — Lab Sample ID: 660-101865-2

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	110		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Sodium	58000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	31		10	0.40	ug/L	1		6010D	Total Recoverable
Nickel	3.4	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	470		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW21 — Lab Sample ID: 660-101914-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	9.9		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Antimony	7.4	I	20	4.0	ug/L	1		6010D	Total Recoverable
Iron	110	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	5300		1000	120	ug/L	1		6010D	Total Recoverable
Barium	10		10	0.40	ug/L	1		6010D	Total Recoverable
Cadmium	1.1	I	4.0	0.46	ug/L	1		6010D	Total Recoverable
Chromium	1.3	I	10	1.1	ug/L	1		6010D	Total Recoverable
Cobalt	1.5	I	10	1.0	ug/L	1		6010D	Total Recoverable
Nickel	1.9	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Total Dissolved Solids	84		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 4MW27D — Lab Sample ID: 660-101915-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	83		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: 4MW27D (Continued)

Lab Sample ID: 660-101915-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Iron	120	I	200	25	ug/L	1		6010D	Total Recoverable
Arsenic	1.9	I	10	1.9	ug/L	1		6010D	Total Recoverable
Sodium	37000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	21		10	0.40	ug/L	1		6010D	Total Recoverable
Nickel	2.1	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Vanadium	9.3	I	20	4.4	ug/L	1		6010D	Total Recoverable
Ammonia	0.10	I	0.25	0.10	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	350		20	20	mg/L	1		SM 2540C	Total/NA

Client Sample ID: 2MW27D

Lab Sample ID: 660-101989-1

Analyte	Result	Qualifier	PQL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	87		0.50	0.20	mg/L	1		300.0-1993 R2.1	Total/NA
Iron	72	I	200	25	ug/L	1		6010D	Total Recoverable
Sodium	41000		1000	120	ug/L	1		6010D	Total Recoverable
Barium	25		10	0.40	ug/L	1		6010D	Total Recoverable
Nickel	2.5	I	8.0	0.81	ug/L	1		6010D	Total Recoverable
Silver	1.5	I	10	1.5	ug/L	1		6010D	Total Recoverable
Vanadium	5.3	I	20	4.4	ug/L	1		6010D	Total Recoverable
Ammonia	0.25		0.25	0.10	mg/L	1		350.1-1993 R2.0	Total/NA
Total Dissolved Solids	390		20	20	mg/L	1		SM 2540C	Total/NA

This Detection Summary does not include radiochemical test results.

Job ID: 660-101389-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Comments
No additional comments.

Receipt
The samples were received on 4/7/2020 9:20 AM, 4/9/2020 9:25 AM, 4/14/2020 10:53 AM, 4/16/2020 8:38 AM, 4/21/2020 9:19 AM, 4/28/2020 10:32 AM, 4/30/2020 9:08 AM, 5/5/2020 9:43 AM and 5/7/2020 9:36 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperatures of the 15 coolers at receipt time were 0.7º C, 0.9º C, 1.3º C, 1.3º C, 1.3º C, 1.5º C, 2.0º C, 2.0º C, 2.3º C, 2.7º C, 2.7º C, 3.1º C, 4.0º C, 4.0º C and 4.3º C.

GC/MS VOA
Method 8260B: The continuing calibration verification (CCV) associated with batch 660-223917 recovered outside acceptance criteria, low biased, for Bromomethane. A reporting limit (RL) standard was analyzed, and the target analyte was detected. 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.

Metals
Method 6010D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries and precision for sodium in batch 224186 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) was within acceptance limits.

Method 6020A: The interference check standard solution (ICSA) associated with the following samples showed results for cobalt at a level greater than two times the limit of detection (LOD): 4MW5 (660-101668-1). It is believed that the solution contains trace impurities of this element / these elements and the results are not due to matrix interference. These results are consistent with those found by the manufacturer of the ICSA solution.

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

General Chemistry
Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-616192 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-617351 were outside control limits. Sample matrix interference is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 350.1: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-618108 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

Definitions/Glossary

Client: Pasco Co Board of Commissioners
Job ID: 660-101389-1
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.
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.
V	Indicates that the analyte was detected at or above the method detection limit in both the sample and the associated method blank and the value of 10 times the blank value was equal to or greater than the associated sample value.

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.
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)
MQL	Method Quantitation Limit
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: 660-101389-1

Client Sample ID: 2MW-26D

Date Collected: 04/06/20 09:44
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-1

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			04/17/20 12:34	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 12:34	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 12:34	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 12:34	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 12:34	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 12:34	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 12:34	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 12:34	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 12:34	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 12:34	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 12:34	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 12:34	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 12:34	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 12:34	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 12:34	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 12:34	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 12:34	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 12:34	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 12:34	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 12:34	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 12:34	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 12:34	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 12:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 12:34	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 12:34	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 12:34	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 12:34	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 12:34	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 12:34	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 12:34	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 12:34	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 12:34	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 12:34	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 12:34	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 12:34	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 12:34	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 12:34	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 12:34	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 12:34	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 12:34	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 12:34	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 12:34	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 12:34	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 12:34	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 12:34	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 12:34	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 12:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/17/20 12:34*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 2MW-26D

Date Collected: 04/06/20 09:44
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*04/17/20 12:34*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/17/20 12:34*	*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			04/10/20 18:51	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		04/10/20 09:57	04/13/20 10:26	1
Iron	25	U	200	25	ug/L		04/10/20 09:57	04/13/20 10:26	1
Arsenic	1.9	U	10	1.9	ug/L		04/10/20 09:57	04/13/20 10:26	1
Sodium	**24000**		1000	120	ug/L		04/10/20 09:57	04/13/20 10:26	1
Barium	**15**		10	0.40	ug/L		04/10/20 09:57	04/13/20 10:26	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/10/20 09:57	04/13/20 10:26	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/10/20 09:57	04/13/20 10:26	1
Chromium	1.1	U	10	1.1	ug/L		04/10/20 09:57	04/13/20 10:26	1
Cobalt	1.0	U	10	1.0	ug/L		04/10/20 09:57	04/13/20 10:26	1
Copper	2.8	U	10	2.8	ug/L		04/10/20 09:57	04/13/20 10:26	1
Lead	2.0	U	10	2.0	ug/L		04/10/20 09:57	04/13/20 10:26	1
Nickel	**1.5**	**I**	8.0	0.81	ug/L		04/10/20 09:57	04/13/20 10:26	1
Selenium	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 10:26	1
Silver	1.5	U	10	1.5	ug/L		04/10/20 09:57	04/13/20 10:26	1
Vanadium	4.4	U	20	4.4	ug/L		04/10/20 09:57	04/13/20 10:26	1
Zinc	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 10:26	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/08/20 18:00	04/09/20 16:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 21:56	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/13/20 13:16	1
Total Dissolved Solids	**310**		20	20	mg/L			04/08/20 07:15	1

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

Job ID: 660-101389-1

Client Sample ID: 2MW-25D

Date Collected: 04/06/20 10:35
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-2

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			04/17/20 13:20	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 13:20	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 13:20	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 13:20	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 13:20	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 13:20	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 13:20	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 13:20	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 13:20	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 13:20	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 13:20	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 13:20	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 13:20	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 13:20	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 13:20	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 13:20	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 13:20	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 13:20	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 13:20	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 13:20	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 13:20	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 13:20	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 13:20	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 13:20	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 13:20	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 13:20	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 13:20	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 13:20	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 13:20	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 13:20	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 13:20	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 13:20	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 13:20	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 13:20	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 13:20	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 13:20	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 13:20	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 13:20	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 13:20	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 13:20	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 13:20	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 13:20	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 13:20	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 13:20	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 13:20	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 13:20	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 13:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*04/17/20 13:20*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 2MW-25D

Date Collected: 04/06/20 10:35
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*04/17/20 13:20*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/17/20 13:20*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**73**		0.50	0.20	mg/L			04/10/20 19:04	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		04/10/20 09:57	04/13/20 10:29	1
Iron	**140**	**I**	200	25	ug/L		04/10/20 09:57	04/13/20 10:29	1
Arsenic	1.9	U	10	1.9	ug/L		04/10/20 09:57	04/13/20 10:29	1
Sodium	**32000**		1000	120	ug/L		04/10/20 09:57	04/13/20 10:29	1
Barium	**20**		10	0.40	ug/L		04/10/20 09:57	04/13/20 10:29	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/10/20 09:57	04/13/20 10:29	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/10/20 09:57	04/13/20 10:29	1
Chromium	1.1	U	10	1.1	ug/L		04/10/20 09:57	04/13/20 10:29	1
Cobalt	**1.1**	**I**	10	1.0	ug/L		04/10/20 09:57	04/13/20 10:29	1
Copper	2.8	U	10	2.8	ug/L		04/10/20 09:57	04/13/20 10:29	1
Lead	2.0	U	10	2.0	ug/L		04/10/20 09:57	04/13/20 10:29	1
Nickel	**1.9**	**I**	8.0	0.81	ug/L		04/10/20 09:57	04/13/20 10:29	1
Selenium	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 10:29	1
Silver	1.5	U	10	1.5	ug/L		04/10/20 09:57	04/13/20 10:29	1
Vanadium	4.4	U	20	4.4	ug/L		04/10/20 09:57	04/13/20 10:29	1
Zinc	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 10:29	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/08/20 18:00	04/09/20 16:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:03	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/13/20 13:16	1
Total Dissolved Solids	**390**		20	20	mg/L			04/08/20 07:15	1

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

Job ID: 660-101389-1

Client Sample ID: 2MW-15DA
Date Collected: 04/06/20 13:54
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-3
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			04/17/20 14:29	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 14:29	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 14:29	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 14:29	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 14:29	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 14:29	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 14:29	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 14:29	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 14:29	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 14:29	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 14:29	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 14:29	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 14:29	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 14:29	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 14:29	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 14:29	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 14:29	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 14:29	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 14:29	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 14:29	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 14:29	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 14:29	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 14:29	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 14:29	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 14:29	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 14:29	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 14:29	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 14:29	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 14:29	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 14:29	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 14:29	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 14:29	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 14:29	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 14:29	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 14:29	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 14:29	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 14:29	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 14:29	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 14:29	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 14:29	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 14:29	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 14:29	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 14:29	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 14:29	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 14:29	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 14:29	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/17/20 14:29*	*1*

Client Sample ID: 2MW-15DA

Date Collected: 04/06/20 13:54
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*70 - 130*		*04/17/20 14:29*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/17/20 14:29*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.0**		0.50	0.20	mg/L			04/10/20 19:17	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		04/10/20 09:57	04/13/20 10:32	1
Iron	**66**	**I**	200	25	ug/L		04/10/20 09:57	04/13/20 10:32	1
Arsenic	1.9	U	10	1.9	ug/L		04/10/20 09:57	04/13/20 10:32	1
Sodium	**3900**		1000	120	ug/L		04/10/20 09:57	04/13/20 10:32	1
Barium	**8.3**	**I**	10	0.40	ug/L		04/10/20 09:57	04/13/20 10:32	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/10/20 09:57	04/13/20 10:32	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/10/20 09:57	04/13/20 10:32	1
Chromium	1.1	U	10	1.1	ug/L		04/10/20 09:57	04/13/20 10:32	1
Cobalt	**1.8**	**I**	10	1.0	ug/L		04/10/20 09:57	04/13/20 10:32	1
Copper	2.8	U	10	2.8	ug/L		04/10/20 09:57	04/13/20 10:32	1
Lead	2.0	U	10	2.0	ug/L		04/10/20 09:57	04/13/20 10:32	1
Nickel	0.81	U	8.0	0.81	ug/L		04/10/20 09:57	04/13/20 10:32	1
Selenium	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 10:32	1
Silver	1.5	U	10	1.5	ug/L		04/10/20 09:57	04/13/20 10:32	1
Vanadium	4.4	U	20	4.4	ug/L		04/10/20 09:57	04/13/20 10:32	1
Zinc	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 10:32	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/08/20 18:00	04/09/20 16:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:06	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/13/20 13:16	1
Total Dissolved Solids	**160**		20	20	mg/L			04/08/20 07:15	1

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

Job ID: 660-101389-1

Client Sample ID: 2MW 24S
Date Collected: 04/08/20 09:49
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-1
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			04/17/20 14:51	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 14:51	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 14:51	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 14:51	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 14:51	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 14:51	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 14:51	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 14:51	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 14:51	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 14:51	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 14:51	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 14:51	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 14:51	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 14:51	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 14:51	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 14:51	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 14:51	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 14:51	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 14:51	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 14:51	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 14:51	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 14:51	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 14:51	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 14:51	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 14:51	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 14:51	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 14:51	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 14:51	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 14:51	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 14:51	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 14:51	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 14:51	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 14:51	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 14:51	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 14:51	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 14:51	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 14:51	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 14:51	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 14:51	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 14:51	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 14:51	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 14:51	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 14:51	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 14:51	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 14:51	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 14:51	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*04/17/20 14:51*	*1*

Client Sample ID: 2MW 24S

Date Collected: 04/08/20 09:49
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*70 - 130*		*04/17/20 14:51*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/17/20 14:51*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24**		0.50	0.20	mg/L			04/11/20 17:16	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		04/15/20 07:20	04/15/20 19:49	1
Iron	**1000**		200	25	ug/L		04/15/20 07:20	04/15/20 19:49	1
Arsenic	**1.9**	**I**	10	1.9	ug/L		04/15/20 07:20	04/15/20 19:49	1
Sodium	**9900**		1000	120	ug/L		04/15/20 07:20	04/15/20 19:49	1
Barium	**23**		10	0.40	ug/L		04/15/20 07:20	04/15/20 19:49	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/15/20 07:20	04/15/20 19:49	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/15/20 07:20	04/15/20 19:49	1
Chromium	**5.3**	**I**	10	1.1	ug/L		04/15/20 07:20	04/15/20 19:49	1
Cobalt	**1.8**	**I**	10	1.0	ug/L		04/15/20 07:20	04/15/20 19:49	1
Copper	2.8	U	10	2.8	ug/L		04/15/20 07:20	04/15/20 19:49	1
Lead	**3.9**	**I**	10	2.0	ug/L		04/15/20 07:20	04/15/20 19:49	1
Nickel	**2.9**	**I**	8.0	0.81	ug/L		04/15/20 07:20	04/15/20 19:49	1
Selenium	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 19:49	1
Silver	1.5	U	10	1.5	ug/L		04/15/20 07:20	04/15/20 19:49	1
Vanadium	**12**	**I V**	20	4.4	ug/L		04/15/20 07:20	04/15/20 19:49	1
Zinc	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 19:49	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/12/20 11:28	04/13/20 20:01	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:11	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/13/20 13:44	1
Total Dissolved Solids	**270**		20	20	mg/L			04/13/20 11:25	1

Client Sample ID: 2MW 24D

Date Collected: 04/08/20 10:41
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-2

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			04/17/20 15:14	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 15:14	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 15:14	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 15:14	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 15:14	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 15:14	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 15:14	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 15:14	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 15:14	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 15:14	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 15:14	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 15:14	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 15:14	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 15:14	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 15:14	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 15:14	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 15:14	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 15:14	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 15:14	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 15:14	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 15:14	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 15:14	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 15:14	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 15:14	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 15:14	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 15:14	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 15:14	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 15:14	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 15:14	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 15:14	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 15:14	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 15:14	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 15:14	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 15:14	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 15:14	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 15:14	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 15:14	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 15:14	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 15:14	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 15:14	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 15:14	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 15:14	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 15:14	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 15:14	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 15:14	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 15:14	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 15:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/17/20 15:14*	*1*

Client Sample ID: 2MW 24D

Date Collected: 04/08/20 10:41
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*04/17/20 15:14*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*04/17/20 15:14*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**42**		0.50	0.20	mg/L			04/11/20 16:37	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		04/15/20 07:20	04/15/20 19:52	1
Iron	25	U	200	25	ug/L		04/15/20 07:20	04/15/20 19:52	1
Arsenic	1.9	U	10	1.9	ug/L		04/15/20 07:20	04/15/20 19:52	1
Sodium	**20000**		1000	120	ug/L		04/15/20 07:20	04/15/20 19:52	1
Barium	**16**		10	0.40	ug/L		04/15/20 07:20	04/15/20 19:52	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/15/20 07:20	04/15/20 19:52	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/15/20 07:20	04/15/20 19:52	1
Chromium	1.1	U	10	1.1	ug/L		04/15/20 07:20	04/15/20 19:52	1
Cobalt	1.0	U	10	1.0	ug/L		04/15/20 07:20	04/15/20 19:52	1
Copper	2.8	U	10	2.8	ug/L		04/15/20 07:20	04/15/20 19:52	1
Lead	**2.5**	**I**	10	2.0	ug/L		04/15/20 07:20	04/15/20 19:52	1
Nickel	0.81	U	8.0	0.81	ug/L		04/15/20 07:20	04/15/20 19:52	1
Selenium	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 19:52	1
Silver	1.5	U	10	1.5	ug/L		04/15/20 07:20	04/15/20 19:52	1
Vanadium	**6.8**	**I V**	20	4.4	ug/L		04/15/20 07:20	04/15/20 19:52	1
Zinc	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 19:52	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/12/20 11:28	04/13/20 19:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:18	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			04/13/20 13:44	1
Total Dissolved Solids	**280**		20	20	mg/L			04/13/20 11:25	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW 22
Date Collected: 04/08/20 13:57
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-3
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			04/17/20 15:37	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 15:37	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 15:37	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 15:37	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 15:37	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 15:37	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 15:37	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 15:37	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 15:37	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 15:37	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 15:37	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 15:37	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 15:37	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 15:37	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 15:37	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 15:37	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 15:37	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 15:37	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 15:37	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 15:37	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 15:37	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 15:37	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 15:37	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 15:37	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 15:37	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 15:37	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 15:37	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 15:37	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 15:37	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 15:37	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 15:37	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 15:37	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 15:37	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 15:37	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 15:37	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 15:37	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 15:37	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 15:37	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 15:37	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 15:37	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 15:37	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 15:37	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 15:37	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 15:37	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 15:37	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 15:37	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*04/17/20 15:37*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 4MW 22

Date Collected: 04/08/20 13:57
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*70 - 130*		*04/17/20 15:37*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/17/20 15:37*	*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			04/11/20 17:41	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		04/15/20 07:20	04/15/20 20:02	1
Iron	**280**		200	25	ug/L		04/15/20 07:20	04/15/20 20:02	1
Arsenic	**2.8**	**I**	10	1.9	ug/L		04/15/20 07:20	04/15/20 20:02	1
Sodium	**7100**		1000	120	ug/L		04/15/20 07:20	04/15/20 20:02	1
Barium	**12**		10	0.40	ug/L		04/15/20 07:20	04/15/20 20:02	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/15/20 07:20	04/15/20 20:02	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/15/20 07:20	04/15/20 20:02	1
Chromium	1.1	U	10	1.1	ug/L		04/15/20 07:20	04/15/20 20:02	1
Cobalt	1.0	U	10	1.0	ug/L		04/15/20 07:20	04/15/20 20:02	1
Copper	2.8	U	10	2.8	ug/L		04/15/20 07:20	04/15/20 20:02	1
Lead	2.0	U	10	2.0	ug/L		04/15/20 07:20	04/15/20 20:02	1
Nickel	0.81	U	8.0	0.81	ug/L		04/15/20 07:20	04/15/20 20:02	1
Selenium	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 20:02	1
Silver	1.5	U	10	1.5	ug/L		04/15/20 07:20	04/15/20 20:02	1
Vanadium	4.4	U	20	4.4	ug/L		04/15/20 07:20	04/15/20 20:02	1
Zinc	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 20:02	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/12/20 11:28	04/13/20 19:57	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:21	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.11**	**I**	0.25	0.10	mg/L			04/13/20 13:44	1
Total Dissolved Solids	**230**		20	20	mg/L			04/13/20 11:25	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW-7
Date Collected: 04/07/20 10:36
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-1
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			04/17/20 16:00	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 16:00	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 16:00	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 16:00	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 16:00	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 16:00	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 16:00	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 16:00	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 16:00	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 16:00	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 16:00	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 16:00	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 16:00	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 16:00	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 16:00	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 16:00	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 16:00	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 16:00	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 16:00	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 16:00	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 16:00	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 16:00	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 16:00	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 16:00	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 16:00	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 16:00	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 16:00	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 16:00	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 16:00	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 16:00	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 16:00	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 16:00	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 16:00	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 16:00	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 16:00	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 16:00	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 16:00	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 16:00	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 16:00	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 16:00	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 16:00	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 16:00	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 16:00	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 16:00	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 16:00	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 16:00	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*105*		*70 - 130*		*04/17/20 16:00*	*1*

Client Sample ID: 4MW-7
Date Collected: 04/07/20 10:36
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-1
Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*70 - 130*		*04/17/20 16:00*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/17/20 16:00*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**		0.50	0.20	mg/L			04/11/20 17:54	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		04/15/20 07:20	04/15/20 20:05	1
Iron	25	U	200	25	ug/L		04/15/20 07:20	04/15/20 20:05	1
Arsenic	1.9	U	10	1.9	ug/L		04/15/20 07:20	04/15/20 20:05	1
Sodium	**5200**		1000	120	ug/L		04/15/20 07:20	04/15/20 20:05	1
Barium	**8.8**	**I**	10	0.40	ug/L		04/15/20 07:20	04/15/20 20:05	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/15/20 07:20	04/15/20 20:05	1
Cadmium	**0.47**	**I**	4.0	0.46	ug/L		04/15/20 07:20	04/15/20 20:05	1
Chromium	1.1	U	10	1.1	ug/L		04/15/20 07:20	04/15/20 20:05	1
Cobalt	1.0	U	10	1.0	ug/L		04/15/20 07:20	04/15/20 20:05	1
Copper	2.8	U	10	2.8	ug/L		04/15/20 07:20	04/15/20 20:05	1
Lead	2.0	U	10	2.0	ug/L		04/15/20 07:20	04/15/20 20:05	1
Nickel	0.81	U	8.0	0.81	ug/L		04/15/20 07:20	04/15/20 20:05	1
Selenium	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 20:05	1
Silver	1.5	U	10	1.5	ug/L		04/15/20 07:20	04/15/20 20:05	1
Vanadium	**7.1**	**I V**	20	4.4	ug/L		04/15/20 07:20	04/15/20 20:05	1
Zinc	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 20:05	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/12/20 11:28	04/13/20 20:05	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:24	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/13/20 13:44	1
Total Dissolved Solids	**180**		20	20	mg/L			04/10/20 07:52	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW-11D
Date Collected: 04/07/20 12:44
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-2
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			04/17/20 16:23	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 16:23	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 16:23	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 16:23	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 16:23	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 16:23	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 16:23	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 16:23	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 16:23	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 16:23	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 16:23	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 16:23	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 16:23	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 16:23	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 16:23	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 16:23	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 16:23	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 16:23	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 16:23	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 16:23	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 16:23	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 16:23	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 16:23	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 16:23	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 16:23	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 16:23	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 16:23	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 16:23	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 16:23	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 16:23	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 16:23	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 16:23	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 16:23	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 16:23	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 16:23	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 16:23	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 16:23	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 16:23	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 16:23	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 16:23	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 16:23	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 16:23	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 16:23	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 16:23	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 16:23	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 16:23	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 16:23	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*70 - 130*		*04/17/20 16:23*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 4MW-11D

Date Collected: 04/07/20 12:44
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*04/17/20 16:23*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/17/20 16:23*	*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			04/11/20 18:07	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		04/15/20 07:22	04/15/20 20:08	1
Iron	25	U	200	25	ug/L		04/15/20 07:22	04/15/20 20:08	1
Arsenic	1.9	U	10	1.9	ug/L		04/15/20 07:22	04/15/20 20:08	1
Sodium	**8100**		1000	120	ug/L		04/15/20 07:22	04/15/20 20:08	1
Barium	**7.7**	**I**	10	0.40	ug/L		04/15/20 07:22	04/15/20 20:08	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/15/20 07:22	04/15/20 20:08	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/15/20 07:22	04/15/20 20:08	1
Chromium	1.1	U	10	1.1	ug/L		04/15/20 07:22	04/15/20 20:08	1
Cobalt	1.0	U	10	1.0	ug/L		04/15/20 07:22	04/15/20 20:08	1
Copper	2.8	U	10	2.8	ug/L		04/15/20 07:22	04/15/20 20:08	1
Lead	2.0	U	10	2.0	ug/L		04/15/20 07:22	04/15/20 20:08	1
Nickel	0.81	U	8.0	0.81	ug/L		04/15/20 07:22	04/15/20 20:08	1
Selenium	5.0	U	20	5.0	ug/L		04/15/20 07:22	04/15/20 20:08	1
Silver	1.5	U	10	1.5	ug/L		04/15/20 07:22	04/15/20 20:08	1
Vanadium	4.4	U	20	4.4	ug/L		04/15/20 07:22	04/15/20 20:08	1
Zinc	5.0	U	20	5.0	ug/L		04/15/20 07:22	04/15/20 20:08	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/12/20 11:28	04/13/20 19:36	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:26	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/13/20 13:44	1
Total Dissolved Solids	**190**		20	20	mg/L			04/10/20 07:52	1

Client Sample ID: 4MW-23

Date Collected: 04/07/20 13:47
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-3

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			04/17/20 16:45	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 16:45	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 16:45	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 16:45	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 16:45	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 16:45	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 16:45	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 16:45	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 16:45	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 16:45	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 16:45	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 16:45	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 16:45	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 16:45	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 16:45	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 16:45	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 16:45	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 16:45	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 16:45	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 16:45	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 16:45	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 16:45	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 16:45	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 16:45	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 16:45	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 16:45	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 16:45	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 16:45	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 16:45	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 16:45	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 16:45	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 16:45	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 16:45	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 16:45	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 16:45	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 16:45	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 16:45	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 16:45	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 16:45	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 16:45	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 16:45	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 16:45	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 16:45	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 16:45	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 16:45	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 16:45	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*104*		*70 - 130*		*04/17/20 16:45*	*1*

Client Sample ID: 4MW-23

Date Collected: 04/07/20 13:47
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*70 - 130*		*04/17/20 16:45*	*1*
Toluene-d8 (Surr)	*104*		*70 - 130*		*04/17/20 16:45*	*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			04/11/20 18:20	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		04/15/20 07:22	04/15/20 20:11	1
Iron	**440**		200	25	ug/L		04/15/20 07:22	04/15/20 20:11	1
Arsenic	**2.6**	**I**	10	1.9	ug/L		04/15/20 07:22	04/15/20 20:11	1
Sodium	**25000**		1000	120	ug/L		04/15/20 07:22	04/15/20 20:11	1
Barium	**8.8**	**I**	10	0.40	ug/L		04/15/20 07:22	04/15/20 20:11	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/15/20 07:22	04/15/20 20:11	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/15/20 07:22	04/15/20 20:11	1
Chromium	1.1	U	10	1.1	ug/L		04/15/20 07:22	04/15/20 20:11	1
Cobalt	**2.0**	**I**	10	1.0	ug/L		04/15/20 07:22	04/15/20 20:11	1
Copper	2.8	U	10	2.8	ug/L		04/15/20 07:22	04/15/20 20:11	1
Lead	2.0	U	10	2.0	ug/L		04/15/20 07:22	04/15/20 20:11	1
Nickel	0.81	U	8.0	0.81	ug/L		04/15/20 07:22	04/15/20 20:11	1
Selenium	5.0	U	20	5.0	ug/L		04/15/20 07:22	04/15/20 20:11	1
Silver	1.5	U	10	1.5	ug/L		04/15/20 07:22	04/15/20 20:11	1
Vanadium	4.4	U	20	4.4	ug/L		04/15/20 07:22	04/15/20 20:11	1
Zinc	5.0	U	20	5.0	ug/L		04/15/20 07:22	04/15/20 20:11	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/12/20 11:28	04/13/20 19:49	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 22:29	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/13/20 13:44	1
Total Dissolved Solids	**310**		20	20	mg/L			04/10/20 07:52	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW-9
Date Collected: 04/09/20 10:55
Date Received: 04/14/20 10:53

Lab Sample ID: 660-101535-1
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			04/21/20 17:31	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/21/20 17:31	1
Benzene	0.25	U	1.0	0.25	ug/L			04/21/20 17:31	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/21/20 17:31	1
Bromomethane	2.5	U	10	2.5	ug/L			04/21/20 17:31	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/21/20 17:31	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/21/20 17:31	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/21/20 17:31	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/21/20 17:31	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/21/20 17:31	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/21/20 17:31	1
Chloroethane	2.5	U	10	2.5	ug/L			04/21/20 17:31	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/21/20 17:31	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/21/20 17:31	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/21/20 17:31	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/21/20 17:31	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/21/20 17:31	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/21/20 17:31	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/21/20 17:31	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/21/20 17:31	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/21/20 17:31	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/21/20 17:31	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/21/20 17:31	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/21/20 17:31	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/21/20 17:31	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/21/20 17:31	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/21/20 17:31	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/21/20 17:31	1
Iodomethane	4.1	U	15	4.1	ug/L			04/21/20 17:31	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/21/20 17:31	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/21/20 17:31	1
Styrene	0.49	U	2.0	0.49	ug/L			04/21/20 17:31	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/21/20 17:31	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/21/20 17:31	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/21/20 17:31	1
Toluene	0.24	U	1.0	0.24	ug/L			04/21/20 17:31	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/21/20 17:31	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/21/20 17:31	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/21/20 17:31	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/21/20 17:31	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/21/20 17:31	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/21/20 17:31	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/21/20 17:31	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/21/20 17:31	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/21/20 17:31	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/21/20 17:31	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/21/20 17:31	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*04/21/20 17:31*	*1*

Client Sample ID: 4MW-9

Date Collected: 04/09/20 10:55
Date Received: 04/14/20 10:53

Lab Sample ID: 660-101535-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*104*		*70 - 130*		*04/21/20 17:31*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/21/20 17:31*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**30**		0.50	0.20	mg/L			04/17/20 01:09	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		04/20/20 14:00	04/22/20 10:26	1
Iron	25	U	200	25	ug/L		04/20/20 14:00	04/22/20 10:26	1
Arsenic	**1.9**	**I**	10	1.9	ug/L		04/20/20 14:00	04/22/20 10:26	1
Sodium	**10000**		1000	120	ug/L		04/20/20 14:00	04/22/20 10:26	1
Barium	**9.1**	**I**	10	0.40	ug/L		04/20/20 14:00	04/22/20 10:26	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/20/20 14:00	04/22/20 10:26	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/20/20 14:00	04/22/20 10:26	1
Chromium	1.1	U	10	1.1	ug/L		04/20/20 14:00	04/22/20 10:26	1
Cobalt	1.0	U	10	1.0	ug/L		04/20/20 14:00	04/22/20 10:26	1
Copper	2.8	U	10	2.8	ug/L		04/20/20 14:00	04/22/20 10:26	1
Lead	2.0	U	10	2.0	ug/L		04/20/20 14:00	04/22/20 10:26	1
Nickel	0.81	U	8.0	0.81	ug/L		04/20/20 14:00	04/22/20 10:26	1
Selenium	5.0	U	20	5.0	ug/L		04/20/20 14:00	04/22/20 10:26	1
Silver	1.5	U	10	1.5	ug/L		04/20/20 14:00	04/22/20 10:26	1
Vanadium	4.4	U	20	4.4	ug/L		04/20/20 14:00	04/22/20 10:26	1
Zinc	5.0	U	20	5.0	ug/L		04/20/20 14:00	04/22/20 10:26	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/15/20 12:34	04/17/20 14:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/21/20 18:30	04/21/20 22:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/16/20 14:08	1
Total Dissolved Solids	**250**		20	20	mg/L			04/15/20 08:39	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW12D
Date Collected: 04/14/20 09:55
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-1
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			04/24/20 21:25	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/20 21:25	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/20 21:25	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/20 21:25	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/20 21:25	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/20 21:25	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/20 21:25	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/20 21:25	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/20 21:25	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/20 21:25	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/20 21:25	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/20 21:25	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/20 21:25	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/20 21:25	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/20 21:25	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/20 21:25	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/20 21:25	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/20 21:25	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/20 21:25	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/20 21:25	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/20 21:25	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/20 21:25	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/20 21:25	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/20 21:25	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/20 21:25	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/20 21:25	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/20 21:25	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/20 21:25	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/20 21:25	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/20 21:25	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/20 21:25	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/20 21:25	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/20 21:25	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/20 21:25	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/20 21:25	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/20 21:25	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/20 21:25	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/20 21:25	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/20 21:25	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/20 21:25	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/20 21:25	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/20 21:25	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/20 21:25	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/20 21:25	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/24/20 21:25	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/20 21:25	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/20 21:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/24/20 21:25*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 4MW12D

Date Collected: 04/14/20 09:55
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-1

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*99*		*70 - 130*		*04/24/20 21:25*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/24/20 21:25*	*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			04/19/20 04:02	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		04/22/20 08:51	04/22/20 22:28	1
Iron	25	U	200	25	ug/L		04/22/20 08:51	04/22/20 22:28	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/20 08:51	04/22/20 22:28	1
Sodium	**6900**		1000	120	ug/L		04/22/20 08:51	04/22/20 22:28	1
Barium	**6.9**	**I**	10	0.40	ug/L		04/22/20 08:51	04/22/20 22:28	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/20 08:51	04/22/20 22:28	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/20 08:51	04/22/20 22:28	1
Chromium	1.1	U	10	1.1	ug/L		04/22/20 08:51	04/22/20 22:28	1
Cobalt	**1.5**	**I**	10	1.0	ug/L		04/22/20 08:51	04/22/20 22:28	1
Copper	2.8	U	10	2.8	ug/L		04/22/20 08:51	04/22/20 22:28	1
Lead	2.0	U	10	2.0	ug/L		04/22/20 08:51	04/22/20 22:28	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/20 08:51	04/22/20 22:28	1
Selenium	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:28	1
Silver	1.5	U	10	1.5	ug/L		04/22/20 08:51	04/22/20 22:28	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/20 08:51	04/22/20 22:28	1
Zinc	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:28	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/20/20 12:45	04/22/20 15:53	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:17	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/22/20 13:50	1
Total Dissolved Solids	**170**		20	20	mg/L			04/21/20 07:50	1

Client Sample ID: 4MW13D

Date Collected: 04/14/20 10:37
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-2

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			04/24/20 21:48	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/20 21:48	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/20 21:48	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/20 21:48	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/20 21:48	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/20 21:48	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/20 21:48	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/20 21:48	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/20 21:48	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/20 21:48	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/20 21:48	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/20 21:48	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/20 21:48	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/20 21:48	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/20 21:48	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/20 21:48	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/20 21:48	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/20 21:48	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/20 21:48	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/20 21:48	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/20 21:48	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/20 21:48	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/20 21:48	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/20 21:48	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/20 21:48	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/20 21:48	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/20 21:48	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/20 21:48	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/20 21:48	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/20 21:48	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/20 21:48	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/20 21:48	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/20 21:48	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/20 21:48	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/20 21:48	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/20 21:48	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/20 21:48	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/20 21:48	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/20 21:48	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/20 21:48	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/20 21:48	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/20 21:48	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/20 21:48	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/20 21:48	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/24/20 21:48	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/20 21:48	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/20 21:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*04/24/20 21:48*	*1*

Client Sample ID: 4MW13D

Date Collected: 04/14/20 10:37
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*70 - 130*		*04/24/20 21:48*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/24/20 21:48*	*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			04/19/20 04:15	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		04/22/20 08:51	04/22/20 22:31	1
Iron	25	U	200	25	ug/L		04/22/20 08:51	04/22/20 22:31	1
Arsenic	**2.3**	**I**	10	1.9	ug/L		04/22/20 08:51	04/22/20 22:31	1
Sodium	**9400**		1000	120	ug/L		04/22/20 08:51	04/22/20 22:31	1
Barium	**8.4**	**I**	10	0.40	ug/L		04/22/20 08:51	04/22/20 22:31	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/20 08:51	04/22/20 22:31	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/20 08:51	04/22/20 22:31	1
Chromium	1.1	U	10	1.1	ug/L		04/22/20 08:51	04/22/20 22:31	1
Cobalt	1.0	U	10	1.0	ug/L		04/22/20 08:51	04/22/20 22:31	1
Copper	2.8	U	10	2.8	ug/L		04/22/20 08:51	04/22/20 22:31	1
Lead	2.0	U	10	2.0	ug/L		04/22/20 08:51	04/22/20 22:31	1
Nickel	**0.96**	**I**	8.0	0.81	ug/L		04/22/20 08:51	04/22/20 22:31	1
Selenium	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:31	1
Silver	1.5	U	10	1.5	ug/L		04/22/20 08:51	04/22/20 22:31	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/20 08:51	04/22/20 22:31	1
Zinc	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:31	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/20/20 12:45	04/22/20 15:50	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:20	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/22/20 13:50	1
Total Dissolved Solids	**190**		20	20	mg/L			04/21/20 06:49	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW14D
Date Collected: 04/14/20 14:26
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-3
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			04/24/20 22:10	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/20 22:10	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/20 22:10	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/20 22:10	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/20 22:10	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/20 22:10	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/20 22:10	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/20 22:10	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/20 22:10	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/20 22:10	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/20 22:10	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/20 22:10	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/20 22:10	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/20 22:10	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/20 22:10	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/20 22:10	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/20 22:10	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/20 22:10	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/20 22:10	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/20 22:10	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/20 22:10	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/24/20 22:10	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/20 22:10	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/20 22:10	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/20 22:10	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/20 22:10	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/20 22:10	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/20 22:10	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/20 22:10	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/20 22:10	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/20 22:10	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/20 22:10	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/20 22:10	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/20 22:10	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/20 22:10	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/20 22:10	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/20 22:10	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/20 22:10	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/20 22:10	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/20 22:10	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/20 22:10	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/20 22:10	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/20 22:10	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/20 22:10	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/24/20 22:10	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/20 22:10	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/20 22:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*04/24/20 22:10*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 4MW14D

Date Collected: 04/14/20 14:26
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-3

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*04/24/20 22:10*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/24/20 22:10*	*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			04/19/20 04:28	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		04/22/20 08:51	04/22/20 22:34	1
Iron	**96**	**I**	200	25	ug/L		04/22/20 08:51	04/22/20 22:34	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/20 08:51	04/22/20 22:34	1
Sodium	**10000**		1000	120	ug/L		04/22/20 08:51	04/22/20 22:34	1
Barium	**11**		10	0.40	ug/L		04/22/20 08:51	04/22/20 22:34	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/20 08:51	04/22/20 22:34	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/20 08:51	04/22/20 22:34	1
Chromium	**1.4**	**I**	10	1.1	ug/L		04/22/20 08:51	04/22/20 22:34	1
Cobalt	1.0	U	10	1.0	ug/L		04/22/20 08:51	04/22/20 22:34	1
Copper	2.8	U	10	2.8	ug/L		04/22/20 08:51	04/22/20 22:34	1
Lead	2.0	U	10	2.0	ug/L		04/22/20 08:51	04/22/20 22:34	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/20 08:51	04/22/20 22:34	1
Selenium	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:34	1
Silver	1.5	U	10	1.5	ug/L		04/22/20 08:51	04/22/20 22:34	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/20 08:51	04/22/20 22:34	1
Zinc	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:34	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/20/20 13:09	04/23/20 09:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:22	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/22/20 13:51	1
Total Dissolved Solids	**160**		20	20	mg/L			04/21/20 06:49	1

Client Sample ID: 4MW4

Date Collected: 04/15/20 10:25
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101617-1

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			04/28/20 18:34	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/28/20 18:34	1
Benzene	0.25	U	1.0	0.25	ug/L			04/28/20 18:34	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/28/20 18:34	1
Bromomethane	2.5	U	10	2.5	ug/L			04/28/20 18:34	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/28/20 18:34	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/28/20 18:34	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/28/20 18:34	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/28/20 18:34	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/28/20 18:34	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/28/20 18:34	1
Chloroethane	2.5	U	10	2.5	ug/L			04/28/20 18:34	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/28/20 18:34	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/28/20 18:34	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/28/20 18:34	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/28/20 18:34	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/28/20 18:34	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/28/20 18:34	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/20 18:34	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/28/20 18:34	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/28/20 18:34	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/28/20 18:34	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/28/20 18:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/20 18:34	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/28/20 18:34	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/28/20 18:34	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/28/20 18:34	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/28/20 18:34	1
Iodomethane	4.1	U	15	4.1	ug/L			04/28/20 18:34	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/28/20 18:34	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/28/20 18:34	1
Styrene	0.49	U	2.0	0.49	ug/L			04/28/20 18:34	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/28/20 18:34	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/28/20 18:34	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/28/20 18:34	1
Toluene	0.24	U	1.0	0.24	ug/L			04/28/20 18:34	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/28/20 18:34	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/28/20 18:34	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/28/20 18:34	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/28/20 18:34	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/28/20 18:34	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/28/20 18:34	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/28/20 18:34	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/28/20 18:34	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/28/20 18:34	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/28/20 18:34	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/28/20 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*04/28/20 18:34*	*1*

Client Sample ID: 4MW4

Date Collected: 04/15/20 10:25
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101617-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*96*		*70 - 130*		*04/28/20 18:34*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/28/20 18:34*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**		0.50	0.20	mg/L			04/19/20 04:40	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		04/22/20 08:51	04/22/20 22:37	1
Iron	**53**	**I**	200	25	ug/L		04/22/20 08:51	04/22/20 22:37	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/20 08:51	04/22/20 22:37	1
Sodium	**5600**		1000	120	ug/L		04/22/20 08:51	04/22/20 22:37	1
Barium	**8.7**	**I**	10	0.40	ug/L		04/22/20 08:51	04/22/20 22:37	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/20 08:51	04/22/20 22:37	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/20 08:51	04/22/20 22:37	1
Chromium	1.1	U	10	1.1	ug/L		04/22/20 08:51	04/22/20 22:37	1
Cobalt	1.0	U	10	1.0	ug/L		04/22/20 08:51	04/22/20 22:37	1
Copper	2.8	U	10	2.8	ug/L		04/22/20 08:51	04/22/20 22:37	1
Lead	2.0	U	10	2.0	ug/L		04/22/20 08:51	04/22/20 22:37	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/20 08:51	04/22/20 22:37	1
Selenium	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:37	1
Silver	1.5	U	10	1.5	ug/L		04/22/20 08:51	04/22/20 22:37	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/20 08:51	04/22/20 22:37	1
Zinc	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:37	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/20/20 12:45	04/22/20 16:04	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:25	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/22/20 13:51	1
Total Dissolved Solids	**190**		20	20	mg/L			04/21/20 06:49	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW8
Date Collected: 04/15/20 14:14
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101617-2
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			04/28/20 18:57	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/28/20 18:57	1
Benzene	0.25	U	1.0	0.25	ug/L			04/28/20 18:57	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/28/20 18:57	1
Bromomethane	2.5	U	10	2.5	ug/L			04/28/20 18:57	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/28/20 18:57	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/28/20 18:57	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/28/20 18:57	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/28/20 18:57	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/28/20 18:57	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/28/20 18:57	1
Chloroethane	2.5	U	10	2.5	ug/L			04/28/20 18:57	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/28/20 18:57	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/28/20 18:57	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/28/20 18:57	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/28/20 18:57	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/28/20 18:57	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/28/20 18:57	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/20 18:57	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/28/20 18:57	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/28/20 18:57	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/28/20 18:57	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/28/20 18:57	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/20 18:57	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/28/20 18:57	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/28/20 18:57	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/28/20 18:57	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/28/20 18:57	1
Iodomethane	4.1	U	15	4.1	ug/L			04/28/20 18:57	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/28/20 18:57	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/28/20 18:57	1
Styrene	0.49	U	2.0	0.49	ug/L			04/28/20 18:57	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/28/20 18:57	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/28/20 18:57	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/28/20 18:57	1
Toluene	0.24	U	1.0	0.24	ug/L			04/28/20 18:57	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/28/20 18:57	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/28/20 18:57	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/28/20 18:57	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/28/20 18:57	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/28/20 18:57	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/28/20 18:57	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/28/20 18:57	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/28/20 18:57	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/28/20 18:57	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/28/20 18:57	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/28/20 18:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*04/28/20 18:57*	*1*

Client Sample ID: 4MW8

Date Collected: 04/15/20 14:14
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101617-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*04/28/20 18:57*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/28/20 18:57*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		0.50	0.20	mg/L			04/19/20 04:53	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		04/22/20 08:51	04/22/20 22:40	1
Iron	25	U	200	25	ug/L		04/22/20 08:51	04/22/20 22:40	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/20 08:51	04/22/20 22:40	1
Sodium	**4600**		1000	120	ug/L		04/22/20 08:51	04/22/20 22:40	1
Barium	**8.0**	**I**	10	0.40	ug/L		04/22/20 08:51	04/22/20 22:40	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/20 08:51	04/22/20 22:40	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/20 08:51	04/22/20 22:40	1
Chromium	1.1	U	10	1.1	ug/L		04/22/20 08:51	04/22/20 22:40	1
Cobalt	1.0	U	10	1.0	ug/L		04/22/20 08:51	04/22/20 22:40	1
Copper	2.8	U	10	2.8	ug/L		04/22/20 08:51	04/22/20 22:40	1
Lead	2.0	U	10	2.0	ug/L		04/22/20 08:51	04/22/20 22:40	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/20 08:51	04/22/20 22:40	1
Selenium	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:40	1
Silver	1.5	U	10	1.5	ug/L		04/22/20 08:51	04/22/20 22:40	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/20 08:51	04/22/20 22:40	1
Zinc	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 22:40	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/20/20 12:45	04/22/20 16:07	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:38	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			04/22/20 13:51	1
Total Dissolved Solids	**200**		20	20	mg/L			04/22/20 07:25	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW2
Date Collected: 04/20/20 10:53
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101667-1
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			04/29/20 14:51	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/29/20 14:51	1
Benzene	0.25	U	1.0	0.25	ug/L			04/29/20 14:51	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/29/20 14:51	1
Bromomethane	2.5	U	10	2.5	ug/L			04/29/20 14:51	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/29/20 14:51	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/29/20 14:51	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/29/20 14:51	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/29/20 14:51	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/29/20 14:51	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/29/20 14:51	1
Chloroethane	2.5	U	10	2.5	ug/L			04/29/20 14:51	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/29/20 14:51	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/29/20 14:51	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/29/20 14:51	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/29/20 14:51	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/29/20 14:51	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/29/20 14:51	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/29/20 14:51	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/29/20 14:51	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/29/20 14:51	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/29/20 14:51	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/29/20 14:51	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/29/20 14:51	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/29/20 14:51	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/29/20 14:51	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/29/20 14:51	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/29/20 14:51	1
Iodomethane	4.1	U	15	4.1	ug/L			04/29/20 14:51	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/29/20 14:51	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/29/20 14:51	1
Styrene	0.49	U	2.0	0.49	ug/L			04/29/20 14:51	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/29/20 14:51	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/29/20 14:51	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/29/20 14:51	1
Toluene	0.24	U	1.0	0.24	ug/L			04/29/20 14:51	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/29/20 14:51	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/29/20 14:51	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/29/20 14:51	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/29/20 14:51	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/29/20 14:51	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/29/20 14:51	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/29/20 14:51	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/29/20 14:51	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/29/20 14:51	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/29/20 14:51	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/29/20 14:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/29/20 14:51*	*1*

Client Sample ID: 4MW2

Date Collected: 04/20/20 10:53
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101667-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*70 - 130*		*04/29/20 14:51*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/29/20 14:51*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.4**		0.50	0.20	mg/L			04/22/20 18:35	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		04/23/20 08:07	04/23/20 15:23	1
Iron	25	U	200	25	ug/L		04/23/20 08:07	04/23/20 15:23	1
Arsenic	1.9	U	10	1.9	ug/L		04/23/20 08:07	04/23/20 15:23	1
Sodium	**3100**		1000	120	ug/L		04/23/20 08:07	04/23/20 15:23	1
Barium	**7.2**	**I**	10	0.40	ug/L		04/23/20 08:07	04/23/20 15:23	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/23/20 08:07	04/23/20 15:23	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/23/20 08:07	04/23/20 15:23	1
Chromium	1.1	U	10	1.1	ug/L		04/23/20 08:07	04/23/20 15:23	1
Cobalt	**1.8**	**I**	10	1.0	ug/L		04/23/20 08:07	04/23/20 15:23	1
Copper	2.8	U	10	2.8	ug/L		04/23/20 08:07	04/23/20 15:23	1
Lead	2.0	U	10	2.0	ug/L		04/23/20 08:07	04/23/20 15:23	1
Nickel	0.81	U	8.0	0.81	ug/L		04/23/20 08:07	04/23/20 15:23	1
Selenium	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 15:23	1
Silver	**1.5**	**I**	10	1.5	ug/L		04/23/20 08:07	04/23/20 15:23	1
Vanadium	**4.8**	**I**	20	4.4	ug/L		04/23/20 08:07	04/23/20 15:23	1
Zinc	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 15:23	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/22/20 12:37	04/23/20 12:24	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:40	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/24/20 10:11	1
Total Dissolved Solids	**100**		20	20	mg/L			04/24/20 08:02	1

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

Job ID: 660-101389-1

Client Sample ID: 2MW19D
Date Collected: 04/20/20 14:02
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101667-2
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			04/29/20 15:12	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/29/20 15:12	1
Benzene	0.25	U	1.0	0.25	ug/L			04/29/20 15:12	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/29/20 15:12	1
Bromomethane	2.5	U	10	2.5	ug/L			04/29/20 15:12	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/29/20 15:12	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/29/20 15:12	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/29/20 15:12	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/29/20 15:12	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/29/20 15:12	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/29/20 15:12	1
Chloroethane	2.5	U	10	2.5	ug/L			04/29/20 15:12	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/29/20 15:12	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/29/20 15:12	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/29/20 15:12	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/29/20 15:12	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/29/20 15:12	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/29/20 15:12	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/29/20 15:12	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/29/20 15:12	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/29/20 15:12	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/29/20 15:12	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/29/20 15:12	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/29/20 15:12	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/29/20 15:12	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/29/20 15:12	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/29/20 15:12	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/29/20 15:12	1
Iodomethane	4.1	U	15	4.1	ug/L			04/29/20 15:12	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/29/20 15:12	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/29/20 15:12	1
Styrene	0.49	U	2.0	0.49	ug/L			04/29/20 15:12	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/29/20 15:12	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/29/20 15:12	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/29/20 15:12	1
Toluene	0.24	U	1.0	0.24	ug/L			04/29/20 15:12	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/29/20 15:12	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/29/20 15:12	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/29/20 15:12	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/29/20 15:12	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/29/20 15:12	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/29/20 15:12	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/29/20 15:12	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/29/20 15:12	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/29/20 15:12	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/29/20 15:12	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/29/20 15:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*04/29/20 15:12*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 2MW19D

Date Collected: 04/20/20 14:02
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101667-2

Matrix: Water

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

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Dibromofluoromethane	*100*		*70 - 130*		*04/29/20 15:12*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/29/20 15:12*	*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			04/22/20 18:48	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		04/23/20 08:07	04/23/20 15:33	1
Iron	**140**	**I**	200	25	ug/L		04/23/20 08:07	04/23/20 15:33	1
Arsenic	1.9	U	10	1.9	ug/L		04/23/20 08:07	04/23/20 15:33	1
Sodium	**7000**		1000	120	ug/L		04/23/20 08:07	04/23/20 15:33	1
Barium	**10**		10	0.40	ug/L		04/23/20 08:07	04/23/20 15:33	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/23/20 08:07	04/23/20 15:33	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/23/20 08:07	04/23/20 15:33	1
Chromium	**1.2**	**I**	10	1.1	ug/L		04/23/20 08:07	04/23/20 15:33	1
Cobalt	1.0	U	10	1.0	ug/L		04/23/20 08:07	04/23/20 15:33	1
Copper	2.8	U	10	2.8	ug/L		04/23/20 08:07	04/23/20 15:33	1
Lead	2.0	U	10	2.0	ug/L		04/23/20 08:07	04/23/20 15:33	1
Nickel	0.81	U	8.0	0.81	ug/L		04/23/20 08:07	04/23/20 15:33	1
Selenium	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 15:33	1
Silver	1.5	U	10	1.5	ug/L		04/23/20 08:07	04/23/20 15:33	1
Vanadium	4.4	U	20	4.4	ug/L		04/23/20 08:07	04/23/20 15:33	1
Zinc	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 15:33	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/22/20 12:37	04/23/20 12:46	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:43	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/24/20 10:11	1
Total Dissolved Solids	**230**		20	20	mg/L			04/24/20 08:02	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW5
Date Collected: 04/16/20 12:34
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101668-1
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			04/29/20 14:30	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/29/20 14:30	1
Benzene	0.25	U	1.0	0.25	ug/L			04/29/20 14:30	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/29/20 14:30	1
Bromomethane	2.5	U	10	2.5	ug/L			04/29/20 14:30	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/29/20 14:30	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/29/20 14:30	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/29/20 14:30	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/29/20 14:30	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/29/20 14:30	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/29/20 14:30	1
Chloroethane	2.5	U	10	2.5	ug/L			04/29/20 14:30	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/29/20 14:30	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/29/20 14:30	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/29/20 14:30	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/29/20 14:30	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/29/20 14:30	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/29/20 14:30	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/29/20 14:30	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/29/20 14:30	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/29/20 14:30	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/29/20 14:30	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/29/20 14:30	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/29/20 14:30	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/29/20 14:30	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/29/20 14:30	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/29/20 14:30	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/29/20 14:30	1
Iodomethane	4.1	U	15	4.1	ug/L			04/29/20 14:30	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/29/20 14:30	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/29/20 14:30	1
Styrene	0.49	U	2.0	0.49	ug/L			04/29/20 14:30	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/29/20 14:30	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/29/20 14:30	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/29/20 14:30	1
Toluene	0.24	U	1.0	0.24	ug/L			04/29/20 14:30	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/29/20 14:30	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/29/20 14:30	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/29/20 14:30	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/29/20 14:30	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/29/20 14:30	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/29/20 14:30	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/29/20 14:30	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/29/20 14:30	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/29/20 14:30	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/29/20 14:30	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/29/20 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*04/29/20 14:30*	*1*

Client Sample ID: 4MW5

Date Collected: 04/16/20 12:34
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101668-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*04/29/20 14:30*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/29/20 14:30*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**61**		0.50	0.20	mg/L			04/22/20 19:01	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		04/23/20 08:07	04/23/20 15:36	1
Iron	25	U	200	25	ug/L		04/23/20 08:07	04/23/20 15:36	1
Arsenic	1.9	U	10	1.9	ug/L		04/23/20 08:07	04/23/20 15:36	1
Sodium	**27000**		1000	120	ug/L		04/23/20 08:07	04/23/20 15:36	1
Barium	**11**		10	0.40	ug/L		04/23/20 08:07	04/23/20 15:36	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/23/20 08:07	04/23/20 15:36	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/23/20 08:07	04/23/20 15:36	1
Chromium	1.1	U	10	1.1	ug/L		04/23/20 08:07	04/23/20 15:36	1
Cobalt	1.0	U	10	1.0	ug/L		04/23/20 08:07	04/23/20 15:36	1
Copper	2.8	U	10	2.8	ug/L		04/23/20 08:07	04/23/20 15:36	1
Lead	2.0	U	10	2.0	ug/L		04/23/20 08:07	04/23/20 15:36	1
Nickel	**1.5**	**I**	8.0	0.81	ug/L		04/23/20 08:07	04/23/20 15:36	1
Selenium	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 15:36	1
Silver	1.5	U	10	1.5	ug/L		04/23/20 08:07	04/23/20 15:36	1
Vanadium	4.4	U	20	4.4	ug/L		04/23/20 08:07	04/23/20 15:36	1
Zinc	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 15:36	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/22/20 12:37	04/23/20 13:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:45	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			04/24/20 10:11	1
Total Dissolved Solids	**300**		20	20	mg/L			04/23/20 07:48	1

Client Sample ID: 4MW6

Date Collected: 04/27/20 13:47
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101800-1

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			05/05/20 14:34	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/05/20 14:34	1
Benzene	0.25	U	1.0	0.25	ug/L			05/05/20 14:34	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/05/20 14:34	1
Bromomethane	2.5	U	10	2.5	ug/L			05/05/20 14:34	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/05/20 14:34	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/05/20 14:34	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/05/20 14:34	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/05/20 14:34	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/05/20 14:34	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/05/20 14:34	1
Chloroethane	2.5	U	10	2.5	ug/L			05/05/20 14:34	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/05/20 14:34	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/05/20 14:34	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/05/20 14:34	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/05/20 14:34	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/05/20 14:34	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/05/20 14:34	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/05/20 14:34	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/05/20 14:34	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/05/20 14:34	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/05/20 14:34	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/05/20 14:34	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/05/20 14:34	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/05/20 14:34	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/05/20 14:34	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/05/20 14:34	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/05/20 14:34	1
Iodomethane	4.1	U	15	4.1	ug/L			05/05/20 14:34	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/05/20 14:34	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/05/20 14:34	1
Styrene	0.49	U	2.0	0.49	ug/L			05/05/20 14:34	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/05/20 14:34	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/05/20 14:34	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/05/20 14:34	1
Toluene	0.24	U	1.0	0.24	ug/L			05/05/20 14:34	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/05/20 14:34	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/05/20 14:34	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/05/20 14:34	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/05/20 14:34	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/05/20 14:34	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/05/20 14:34	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/05/20 14:34	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/05/20 14:34	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/05/20 14:34	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/05/20 14:34	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/05/20 14:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*05/05/20 14:34*	*1*

Client Sample ID: 4MW6

Date Collected: 04/27/20 13:47
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101800-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*99*		*70 - 130*		*05/05/20 14:34*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/05/20 14:34*	*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			04/30/20 02:45	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		04/29/20 07:08	04/29/20 19:06	1
Iron	25	U	200	25	ug/L		04/29/20 07:08	04/29/20 19:06	1
Arsenic	1.9	U	10	1.9	ug/L		04/29/20 07:08	04/29/20 19:06	1
Sodium	**2500**		1000	120	ug/L		04/29/20 07:08	04/29/20 19:06	1
Barium	**4.6**	**I**	10	0.40	ug/L		04/29/20 07:08	04/29/20 19:06	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/29/20 07:08	04/29/20 19:06	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/29/20 07:08	04/29/20 19:06	1
Chromium	1.1	U	10	1.1	ug/L		04/29/20 07:08	04/29/20 19:06	1
Cobalt	1.0	U	10	1.0	ug/L		04/29/20 07:08	04/29/20 19:06	1
Copper	2.8	U	10	2.8	ug/L		04/29/20 07:08	04/29/20 19:06	1
Lead	2.0	U	10	2.0	ug/L		04/29/20 07:08	04/29/20 19:06	1
Nickel	0.81	U	8.0	0.81	ug/L		04/29/20 07:08	04/29/20 19:06	1
Selenium	5.0	U	20	5.0	ug/L		04/29/20 07:08	04/29/20 19:06	1
Silver	1.5	U	10	1.5	ug/L		04/29/20 07:08	04/29/20 19:06	1
Vanadium	4.4	U	20	4.4	ug/L		04/29/20 07:08	04/29/20 19:06	1
Zinc	5.0	U	20	5.0	ug/L		04/29/20 07:08	04/29/20 19:06	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/29/20 16:11	05/01/20 12:14	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/28/20 16:00	04/28/20 19:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.20	U	0.50	0.20	mg/L			05/01/20 12:15	2
Total Dissolved Solids	**76**		20	20	mg/L			04/29/20 08:04	1

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

Job ID: 660-101389-1

Client Sample ID: 2MW18D
Date Collected: 04/23/20 09:53
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101801-1
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			05/05/20 14:55	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/05/20 14:55	1
Benzene	0.25	U	1.0	0.25	ug/L			05/05/20 14:55	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/05/20 14:55	1
Bromomethane	2.5	U	10	2.5	ug/L			05/05/20 14:55	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/05/20 14:55	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/05/20 14:55	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/05/20 14:55	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/05/20 14:55	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/05/20 14:55	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/05/20 14:55	1
Chloroethane	2.5	U	10	2.5	ug/L			05/05/20 14:55	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/05/20 14:55	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/05/20 14:55	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/05/20 14:55	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/05/20 14:55	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/05/20 14:55	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/05/20 14:55	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/05/20 14:55	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/05/20 14:55	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/05/20 14:55	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/05/20 14:55	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/05/20 14:55	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/05/20 14:55	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/05/20 14:55	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/05/20 14:55	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/05/20 14:55	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/05/20 14:55	1
Iodomethane	4.1	U	15	4.1	ug/L			05/05/20 14:55	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/05/20 14:55	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/05/20 14:55	1
Styrene	0.49	U	2.0	0.49	ug/L			05/05/20 14:55	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/05/20 14:55	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/05/20 14:55	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/05/20 14:55	1
Toluene	0.24	U	1.0	0.24	ug/L			05/05/20 14:55	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/05/20 14:55	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/05/20 14:55	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/05/20 14:55	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/05/20 14:55	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/05/20 14:55	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/05/20 14:55	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/05/20 14:55	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/05/20 14:55	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/05/20 14:55	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/05/20 14:55	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/05/20 14:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*05/05/20 14:55*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 2MW18D

Date Collected: 04/23/20 09:53
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101801-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*05/05/20 14:55*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/05/20 14:55*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**24**		0.50	0.20	mg/L			04/30/20 02:58	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**7.3**	**I**	20	4.0	ug/L		04/29/20 07:08	04/29/20 19:18	1
Iron	**56**	**I**	200	25	ug/L		04/29/20 07:08	04/29/20 19:18	1
Arsenic	1.9	U	10	1.9	ug/L		04/29/20 07:08	04/29/20 19:18	1
Sodium	**9800**		1000	120	ug/L		04/29/20 07:08	04/29/20 19:18	1
Barium	**9.4**	**I**	10	0.40	ug/L		04/29/20 07:08	04/29/20 19:18	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/29/20 07:08	04/29/20 19:18	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/29/20 07:08	04/29/20 19:18	1
Chromium	1.1	U	10	1.1	ug/L		04/29/20 07:08	04/29/20 19:18	1
Cobalt	**1.9**	**I**	10	1.0	ug/L		04/29/20 07:08	04/29/20 19:18	1
Copper	2.8	U	10	2.8	ug/L		04/29/20 07:08	04/29/20 19:18	1
Lead	2.0	U	10	2.0	ug/L		04/29/20 07:08	04/29/20 19:18	1
Nickel	0.81	U	8.0	0.81	ug/L		04/29/20 07:08	04/29/20 19:18	1
Selenium	5.0	U	20	5.0	ug/L		04/29/20 07:08	04/29/20 19:18	1
Silver	1.5	U	10	1.5	ug/L		04/29/20 07:08	04/29/20 19:18	1
Vanadium	4.4	U	20	4.4	ug/L		04/29/20 07:08	04/29/20 19:18	1
Zinc	5.0	U	20	5.0	ug/L		04/29/20 07:08	04/29/20 19:18	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/29/20 16:11	05/01/20 12:11	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/05/20 16:05	05/05/20 20:34	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**1.6**	**J3**	0.25	0.10	mg/L			05/01/20 11:40	1
Total Dissolved Solids	**260**		20	20	mg/L			04/29/20 08:04	1

Client Sample ID: 4MW27

Date Collected: 04/29/20 12:02
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101864-1

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			05/05/20 15:16	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/05/20 15:16	1
Benzene	0.25	U	1.0	0.25	ug/L			05/05/20 15:16	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/05/20 15:16	1
Bromomethane	2.5	U	10	2.5	ug/L			05/05/20 15:16	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/05/20 15:16	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/05/20 15:16	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/05/20 15:16	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/05/20 15:16	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/05/20 15:16	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/05/20 15:16	1
Chloroethane	2.5	U	10	2.5	ug/L			05/05/20 15:16	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/05/20 15:16	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/05/20 15:16	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/05/20 15:16	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/05/20 15:16	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/05/20 15:16	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/05/20 15:16	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/05/20 15:16	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/05/20 15:16	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/05/20 15:16	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/05/20 15:16	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/05/20 15:16	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/05/20 15:16	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/05/20 15:16	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/05/20 15:16	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/05/20 15:16	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/05/20 15:16	1
Iodomethane	4.1	U	15	4.1	ug/L			05/05/20 15:16	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/05/20 15:16	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/05/20 15:16	1
Styrene	0.49	U	2.0	0.49	ug/L			05/05/20 15:16	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/05/20 15:16	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/05/20 15:16	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/05/20 15:16	1
Toluene	0.24	U	1.0	0.24	ug/L			05/05/20 15:16	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/05/20 15:16	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/05/20 15:16	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/05/20 15:16	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/05/20 15:16	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/05/20 15:16	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/05/20 15:16	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/05/20 15:16	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/05/20 15:16	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/05/20 15:16	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/05/20 15:16	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/05/20 15:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*05/05/20 15:16*	*1*

Client Sample ID: 4MW27

Date Collected: 04/29/20 12:02
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101864-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*05/05/20 15:16*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/05/20 15:16*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**5.0**		0.50	0.20	mg/L			05/02/20 06:10	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		05/01/20 06:59	05/04/20 08:53	1
Iron	**58**	**I**	200	25	ug/L		05/01/20 06:59	05/04/20 08:53	1
Arsenic	1.9	U	10	1.9	ug/L		05/01/20 06:59	05/04/20 08:53	1
Sodium	**3400**		1000	120	ug/L		05/01/20 06:59	05/04/20 08:53	1
Barium	**10**		10	0.40	ug/L		05/01/20 06:59	05/04/20 08:53	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/01/20 06:59	05/04/20 08:53	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/01/20 06:59	05/04/20 08:53	1
Chromium	1.1	U	10	1.1	ug/L		05/01/20 06:59	05/04/20 08:53	1
Cobalt	**1.5**	**I**	10	1.0	ug/L		05/01/20 06:59	05/04/20 08:53	1
Copper	2.8	U	10	2.8	ug/L		05/01/20 06:59	05/04/20 08:53	1
Lead	2.0	U	10	2.0	ug/L		05/01/20 06:59	05/04/20 08:53	1
Nickel	0.81	U	8.0	0.81	ug/L		05/01/20 06:59	05/04/20 08:53	1
Selenium	5.0	U	20	5.0	ug/L		05/01/20 06:59	05/04/20 08:53	1
Silver	1.5	U	10	1.5	ug/L		05/01/20 06:59	05/04/20 08:53	1
Vanadium	4.4	U	20	4.4	ug/L		05/01/20 06:59	05/04/20 08:53	1
Zinc	5.0	U	20	5.0	ug/L		05/01/20 06:59	05/04/20 08:53	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/04/20 12:14	05/05/20 13:17	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/05/20 16:05	05/05/20 20:42	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.24**	**I J3**	0.25	0.10	mg/L			05/05/20 11:57	1
Total Dissolved Solids	**150**		20	20	mg/L			05/01/20 08:02	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW3A
Date Collected: 04/28/20 09:19
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-1
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			05/05/20 15:37	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/05/20 15:37	1
Benzene	0.25	U	1.0	0.25	ug/L			05/05/20 15:37	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/05/20 15:37	1
Bromomethane	2.5	U	10	2.5	ug/L			05/05/20 15:37	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/05/20 15:37	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/05/20 15:37	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/05/20 15:37	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/05/20 15:37	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/05/20 15:37	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/05/20 15:37	1
Chloroethane	2.5	U	10	2.5	ug/L			05/05/20 15:37	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/05/20 15:37	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/05/20 15:37	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/05/20 15:37	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/05/20 15:37	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/05/20 15:37	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/05/20 15:37	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/05/20 15:37	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/05/20 15:37	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/05/20 15:37	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/05/20 15:37	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/05/20 15:37	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/05/20 15:37	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/05/20 15:37	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/05/20 15:37	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/05/20 15:37	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/05/20 15:37	1
Iodomethane	4.1	U	15	4.1	ug/L			05/05/20 15:37	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/05/20 15:37	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/05/20 15:37	1
Styrene	0.49	U	2.0	0.49	ug/L			05/05/20 15:37	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/05/20 15:37	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/05/20 15:37	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/05/20 15:37	1
Toluene	0.24	U	1.0	0.24	ug/L			05/05/20 15:37	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/05/20 15:37	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/05/20 15:37	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/05/20 15:37	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/05/20 15:37	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/05/20 15:37	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/05/20 15:37	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/05/20 15:37	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/05/20 15:37	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/05/20 15:37	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/05/20 15:37	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/05/20 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*05/05/20 15:37*	*1*

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

Job ID: 660-101389-1

Client Sample ID: 4MW3A

Date Collected: 04/28/20 09:19
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*101*		*70 - 130*		*05/05/20 15:37*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*05/05/20 15:37*	*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			05/02/20 06:23	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**9.1**	**I**	20	4.0	ug/L		05/01/20 06:47	05/04/20 08:47	1
Iron	**130**	**I**	200	25	ug/L		05/01/20 06:47	05/04/20 08:47	1
Arsenic	1.9	U	10	1.9	ug/L		05/01/20 06:47	05/04/20 08:47	1
Sodium	**12000**		1000	120	ug/L		05/01/20 06:47	05/04/20 08:47	1
Barium	**11**		10	0.40	ug/L		05/01/20 06:47	05/04/20 08:47	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/01/20 06:47	05/04/20 08:47	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/01/20 06:47	05/04/20 08:47	1
Chromium	1.1	U	10	1.1	ug/L		05/01/20 06:47	05/04/20 08:47	1
Cobalt	1.0	U	10	1.0	ug/L		05/01/20 06:47	05/04/20 08:47	1
Copper	2.8	U	10	2.8	ug/L		05/01/20 06:47	05/04/20 08:47	1
Lead	2.0	U	10	2.0	ug/L		05/01/20 06:47	05/04/20 08:47	1
Nickel	0.81	U	8.0	0.81	ug/L		05/01/20 06:47	05/04/20 08:47	1
Selenium	5.0	U	20	5.0	ug/L		05/01/20 06:47	05/04/20 08:47	1
Silver	1.5	U	10	1.5	ug/L		05/01/20 06:47	05/04/20 08:47	1
Vanadium	4.4	U	20	4.4	ug/L		05/01/20 06:47	05/04/20 08:47	1
Zinc	5.0	U	20	5.0	ug/L		05/01/20 06:47	05/04/20 08:47	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/04/20 12:14	05/05/20 13:30	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/05/20 16:05	05/05/20 20:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.12**	**I**	0.25	0.10	mg/L			05/05/20 13:57	1
Total Dissolved Solids	**250**		20	20	mg/L			05/01/20 08:02	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW1
Date Collected: 04/28/20 12:56
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-2
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			05/05/20 15:58	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/05/20 15:58	1
Benzene	0.25	U	1.0	0.25	ug/L			05/05/20 15:58	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/05/20 15:58	1
Bromomethane	2.5	U	10	2.5	ug/L			05/05/20 15:58	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/05/20 15:58	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/05/20 15:58	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/05/20 15:58	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/05/20 15:58	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/05/20 15:58	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/05/20 15:58	1
Chloroethane	2.5	U	10	2.5	ug/L			05/05/20 15:58	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/05/20 15:58	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/05/20 15:58	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/05/20 15:58	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/05/20 15:58	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/05/20 15:58	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/05/20 15:58	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/05/20 15:58	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/05/20 15:58	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/05/20 15:58	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/05/20 15:58	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/05/20 15:58	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/05/20 15:58	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/05/20 15:58	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/05/20 15:58	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/05/20 15:58	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/05/20 15:58	1
Iodomethane	4.1	U	15	4.1	ug/L			05/05/20 15:58	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/05/20 15:58	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/05/20 15:58	1
Styrene	0.49	U	2.0	0.49	ug/L			05/05/20 15:58	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/05/20 15:58	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/05/20 15:58	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/05/20 15:58	1
Toluene	0.24	U	1.0	0.24	ug/L			05/05/20 15:58	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/05/20 15:58	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/05/20 15:58	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/05/20 15:58	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/05/20 15:58	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/05/20 15:58	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/05/20 15:58	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/05/20 15:58	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/05/20 15:58	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/05/20 15:58	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/05/20 15:58	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/05/20 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*05/05/20 15:58*	*1*

Client Sample ID: 4MW1

Date Collected: 04/28/20 12:56
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-2

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*102*		*70 - 130*		*05/05/20 15:58*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/05/20 15:58*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**110**		0.50	0.20	mg/L			05/02/20 06:36	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		05/01/20 06:47	05/04/20 08:50	1
Iron	25	U	200	25	ug/L		05/01/20 06:47	05/04/20 08:50	1
Arsenic	1.9	U	10	1.9	ug/L		05/01/20 06:47	05/04/20 08:50	1
Sodium	**58000**		1000	120	ug/L		05/01/20 06:47	05/04/20 08:50	1
Barium	**31**		10	0.40	ug/L		05/01/20 06:47	05/04/20 08:50	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/01/20 06:47	05/04/20 08:50	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/01/20 06:47	05/04/20 08:50	1
Chromium	1.1	U	10	1.1	ug/L		05/01/20 06:47	05/04/20 08:50	1
Cobalt	1.0	U	10	1.0	ug/L		05/01/20 06:47	05/04/20 08:50	1
Copper	2.8	U	10	2.8	ug/L		05/01/20 06:47	05/04/20 08:50	1
Lead	2.0	U	10	2.0	ug/L		05/01/20 06:47	05/04/20 08:50	1
Nickel	**3.4**	**I**	8.0	0.81	ug/L		05/01/20 06:47	05/04/20 08:50	1
Selenium	5.0	U	20	5.0	ug/L		05/01/20 06:47	05/04/20 08:50	1
Silver	1.5	U	10	1.5	ug/L		05/01/20 06:47	05/04/20 08:50	1
Vanadium	4.4	U	20	4.4	ug/L		05/01/20 06:47	05/04/20 08:50	1
Zinc	5.0	U	20	5.0	ug/L		05/01/20 06:47	05/04/20 08:50	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/04/20 12:14	05/05/20 13:20	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/05/20 16:05	05/05/20 20:47	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	0.10	U	0.25	0.10	mg/L			05/05/20 13:57	1
Total Dissolved Solids	**470**		20	20	mg/L			05/01/20 08:02	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW21
Date Collected: 04/30/20 10:35
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101914-1
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			05/06/20 13:09	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/20 13:09	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/20 13:09	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/20 13:09	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/20 13:09	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/20 13:09	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/20 13:09	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/20 13:09	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/20 13:09	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/20 13:09	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/20 13:09	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/20 13:09	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/20 13:09	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/20 13:09	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/20 13:09	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/20 13:09	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/20 13:09	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/20 13:09	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/20 13:09	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/20 13:09	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/20 13:09	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/20 13:09	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/20 13:09	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/20 13:09	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/20 13:09	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/20 13:09	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/20 13:09	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/20 13:09	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/20 13:09	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/20 13:09	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/20 13:09	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/20 13:09	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/20 13:09	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/20 13:09	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/20 13:09	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/20 13:09	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/20 13:09	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/20 13:09	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/20 13:09	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/20 13:09	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/20 13:09	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/20 13:09	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/20 13:09	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/20 13:09	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/06/20 13:09	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/20 13:09	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/20 13:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*91*		*70 - 130*		*05/06/20 13:09*	*1*

Client Sample ID: 4MW21

Date Collected: 04/30/20 10:35
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101914-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*100*		*70 - 130*		*05/06/20 13:09*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/06/20 13:09*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**9.9**		0.50	0.20	mg/L			05/08/20 10:48	1

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**7.4**	**I**	20	4.0	ug/L		05/06/20 06:44	05/06/20 11:41	1
Iron	**110**	**I**	200	25	ug/L		05/06/20 06:44	05/06/20 11:41	1
Arsenic	1.9	U	10	1.9	ug/L		05/06/20 06:44	05/06/20 11:41	1
Sodium	**5300**		1000	120	ug/L		05/06/20 06:44	05/06/20 11:41	1
Barium	**10**		10	0.40	ug/L		05/06/20 06:44	05/06/20 11:41	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/06/20 06:44	05/06/20 11:41	1
Cadmium	**1.1**	**I**	4.0	0.46	ug/L		05/06/20 06:44	05/06/20 11:41	1
Chromium	**1.3**	**I**	10	1.1	ug/L		05/06/20 06:44	05/06/20 11:41	1
Cobalt	**1.5**	**I**	10	1.0	ug/L		05/06/20 06:44	05/06/20 11:41	1
Copper	2.8	U	10	2.8	ug/L		05/06/20 06:44	05/06/20 11:41	1
Lead	2.0	U	10	2.0	ug/L		05/06/20 06:44	05/06/20 11:41	1
Nickel	**1.9**	**I**	8.0	0.81	ug/L		05/06/20 06:44	05/06/20 11:41	1
Selenium	5.0	U	20	5.0	ug/L		05/06/20 06:44	05/06/20 11:41	1
Silver	1.5	U	10	1.5	ug/L		05/06/20 06:44	05/06/20 11:41	1
Vanadium	4.4	U	20	4.4	ug/L		05/06/20 06:44	05/06/20 11:41	1
Zinc	5.0	U	20	5.0	ug/L		05/06/20 06:44	05/06/20 11:41	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/07/20 09:44	05/07/20 17:42	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/05/20 16:05	05/05/20 21:35	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			05/08/20 13:26	1
Total Dissolved Solids	**84**		20	20	mg/L			05/07/20 07:53	1

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

Job ID: 660-101389-1

Client Sample ID: 4MW27D
Date Collected: 05/04/20 14:32
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101915-1
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			05/06/20 13:29	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/20 13:29	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/20 13:29	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/20 13:29	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/20 13:29	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/20 13:29	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/20 13:29	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/20 13:29	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/20 13:29	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/20 13:29	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/20 13:29	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/20 13:29	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/20 13:29	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/20 13:29	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/20 13:29	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/20 13:29	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/20 13:29	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/20 13:29	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/20 13:29	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/20 13:29	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/20 13:29	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/20 13:29	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/20 13:29	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/20 13:29	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/20 13:29	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/20 13:29	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/20 13:29	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/20 13:29	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/20 13:29	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/20 13:29	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/20 13:29	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/20 13:29	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/20 13:29	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/20 13:29	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/20 13:29	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/20 13:29	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/20 13:29	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/20 13:29	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/20 13:29	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/20 13:29	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/20 13:29	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/20 13:29	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/20 13:29	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/20 13:29	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/06/20 13:29	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/20 13:29	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/20 13:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*05/06/20 13:29*	*1*

Client Sample ID: 4MW27D

Date Collected: 05/04/20 14:32
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101915-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*97*		*70 - 130*		*05/06/20 13:29*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*05/06/20 13:29*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**83**		0.50	0.20	mg/L			05/08/20 11:27	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		05/06/20 06:44	05/06/20 11:44	1
Iron	**120**	**I**	200	25	ug/L		05/06/20 06:44	05/06/20 11:44	1
Arsenic	**1.9**	**I**	10	1.9	ug/L		05/06/20 06:44	05/06/20 11:44	1
Sodium	**37000**		1000	120	ug/L		05/06/20 06:44	05/06/20 11:44	1
Barium	**21**		10	0.40	ug/L		05/06/20 06:44	05/06/20 11:44	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/06/20 06:44	05/06/20 11:44	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/06/20 06:44	05/06/20 11:44	1
Chromium	1.1	U	10	1.1	ug/L		05/06/20 06:44	05/06/20 11:44	1
Cobalt	1.0	U	10	1.0	ug/L		05/06/20 06:44	05/06/20 11:44	1
Copper	2.8	U	10	2.8	ug/L		05/06/20 06:44	05/06/20 11:44	1
Lead	2.0	U	10	2.0	ug/L		05/06/20 06:44	05/06/20 11:44	1
Nickel	**2.1**	**I**	8.0	0.81	ug/L		05/06/20 06:44	05/06/20 11:44	1
Selenium	5.0	U	20	5.0	ug/L		05/06/20 06:44	05/06/20 11:44	1
Silver	1.5	U	10	1.5	ug/L		05/06/20 06:44	05/06/20 11:44	1
Vanadium	**9.3**	**I**	20	4.4	ug/L		05/06/20 06:44	05/06/20 11:44	1
Zinc	5.0	U	20	5.0	ug/L		05/06/20 06:44	05/06/20 11:44	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/07/20 09:44	05/07/20 17:39	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/05/20 16:05	05/05/20 21:37	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.10**	**I**	0.25	0.10	mg/L			05/08/20 13:26	1
Total Dissolved Solids	**350**		20	20	mg/L			05/07/20 07:53	1

Client Sample ID: 2MW27D

Date Collected: 05/05/20 10:00
Date Received: 05/07/20 09:36

Lab Sample ID: 660-101989-1

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			05/15/20 10:37	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/15/20 10:37	1
Benzene	0.25	U	1.0	0.25	ug/L			05/15/20 10:37	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/15/20 10:37	1
Bromomethane	2.5	U	10	2.5	ug/L			05/15/20 10:37	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/15/20 10:37	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/15/20 10:37	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/15/20 10:37	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/15/20 10:37	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/15/20 10:37	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/15/20 10:37	1
Chloroethane	2.5	U	10	2.5	ug/L			05/15/20 10:37	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/15/20 10:37	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/15/20 10:37	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/15/20 10:37	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/15/20 10:37	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/15/20 10:37	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/15/20 10:37	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/15/20 10:37	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/15/20 10:37	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/15/20 10:37	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/15/20 10:37	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/15/20 10:37	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/15/20 10:37	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/15/20 10:37	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/15/20 10:37	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/15/20 10:37	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/15/20 10:37	1
Iodomethane	4.1	U	15	4.1	ug/L			05/15/20 10:37	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/15/20 10:37	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/15/20 10:37	1
Styrene	0.49	U	2.0	0.49	ug/L			05/15/20 10:37	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/15/20 10:37	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/15/20 10:37	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/15/20 10:37	1
Toluene	0.24	U	1.0	0.24	ug/L			05/15/20 10:37	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/15/20 10:37	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/15/20 10:37	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/15/20 10:37	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/15/20 10:37	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/15/20 10:37	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/15/20 10:37	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/15/20 10:37	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/15/20 10:37	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/15/20 10:37	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/15/20 10:37	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/15/20 10:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*92*		*70 - 130*		*05/15/20 10:37*	*1*

Client Sample ID: 2MW27D

Date Collected: 05/05/20 10:00
Date Received: 05/07/20 09:36

Lab Sample ID: 660-101989-1

Matrix: Water

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

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Dibromofluoromethane	*98*		*70 - 130*		*05/15/20 10:37*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/15/20 10:37*	*1*

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

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**87**		0.50	0.20	mg/L			05/09/20 22:38	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		05/08/20 08:27	05/08/20 14:30	1
Iron	**72**	**I**	200	25	ug/L		05/08/20 08:27	05/08/20 14:30	1
Arsenic	1.9	U	10	1.9	ug/L		05/08/20 08:27	05/08/20 14:30	1
Sodium	**41000**		1000	120	ug/L		05/08/20 08:27	05/08/20 14:30	1
Barium	**25**		10	0.40	ug/L		05/08/20 08:27	05/08/20 14:30	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/08/20 08:27	05/08/20 14:30	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/08/20 08:27	05/08/20 14:30	1
Chromium	1.1	U	10	1.1	ug/L		05/08/20 08:27	05/08/20 14:30	1
Cobalt	1.0	U	10	1.0	ug/L		05/08/20 08:27	05/08/20 14:30	1
Copper	2.8	U	10	2.8	ug/L		05/08/20 08:27	05/08/20 14:30	1
Lead	2.0	U	10	2.0	ug/L		05/08/20 08:27	05/08/20 14:30	1
Nickel	**2.5**	**I**	8.0	0.81	ug/L		05/08/20 08:27	05/08/20 14:30	1
Selenium	5.0	U	20	5.0	ug/L		05/08/20 08:27	05/08/20 14:30	1
Silver	**1.5**	**I**	10	1.5	ug/L		05/08/20 08:27	05/08/20 14:30	1
Vanadium	**5.3**	**I**	20	4.4	ug/L		05/08/20 08:27	05/08/20 14:30	1
Zinc	5.0	U	20	5.0	ug/L		05/08/20 08:27	05/08/20 14:30	1

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/12/20 11:28	05/13/20 20:00	1

Method: 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/13/20 06:30	05/13/20 09:44	1

General Chemistry

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	**0.25**		0.25	0.10	mg/L			05/11/20 12:24	1
Total Dissolved Solids	**390**		20	20	mg/L			05/08/20 08:07	1

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

Lab Sample ID: MB 660-223815/6
Matrix: Water
Analysis Batch: 223815

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			04/17/20 12:12	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/17/20 12:12	1
Benzene	0.25	U	1.0	0.25	ug/L			04/17/20 12:12	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/17/20 12:12	1
Bromomethane	2.5	U	10	2.5	ug/L			04/17/20 12:12	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/17/20 12:12	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/17/20 12:12	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/17/20 12:12	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/17/20 12:12	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/17/20 12:12	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/17/20 12:12	1
Chloroethane	2.5	U	10	2.5	ug/L			04/17/20 12:12	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/17/20 12:12	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/17/20 12:12	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/17/20 12:12	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/17/20 12:12	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/17/20 12:12	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/17/20 12:12	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/17/20 12:12	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/17/20 12:12	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/17/20 12:12	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/17/20 12:12	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/17/20 12:12	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/17/20 12:12	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/17/20 12:12	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/17/20 12:12	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/17/20 12:12	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/17/20 12:12	1
Iodomethane	4.1	U	15	4.1	ug/L			04/17/20 12:12	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/17/20 12:12	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/17/20 12:12	1
Styrene	0.49	U	2.0	0.49	ug/L			04/17/20 12:12	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/17/20 12:12	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/17/20 12:12	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/17/20 12:12	1
Toluene	0.24	U	1.0	0.24	ug/L			04/17/20 12:12	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/17/20 12:12	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/17/20 12:12	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/17/20 12:12	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/17/20 12:12	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/17/20 12:12	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/17/20 12:12	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/17/20 12:12	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/17/20 12:12	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/17/20 12:12	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/17/20 12:12	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/17/20 12:12	1

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

Lab Sample ID: MB 660-223815/6
Matrix: Water
Analysis Batch: 223815

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene	*101*		*70 - 130*		*04/17/20 12:12*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*04/17/20 12:12*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/17/20 12:12*	*1*

Lab Sample ID: LCS 660-223815/4
Matrix: Water
Analysis Batch: 223815

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	84.0		ug/L		84	45 - 150
Acrylonitrile	100	82.8		ug/L		83	64 - 124
Benzene	10.0	10.3		ug/L		103	66 - 131
Bromoform	10.0	9.64		ug/L		96	59 - 119
Bromomethane	10.0	12.6		ug/L		126	37 - 137
2-Butanone (MEK)	100	75.0		ug/L		75	46 - 146
Carbon disulfide	10.0	12.5		ug/L		125	52 - 129
Carbon tetrachloride	10.0	10.7		ug/L		107	62 - 124
Chlorobenzene	10.0	10.1		ug/L		101	67 - 130
Chlorobromomethane	10.0	10.4		ug/L		104	67 - 130
Chlorodibromomethane	10.0	9.96		ug/L		100	58 - 124
Chloroethane	10.0	9.96	I	ug/L		100	49 - 150
Chloroform	10.0	10.4		ug/L		104	77 - 119
Chloromethane	10.0	10.4		ug/L		104	52 - 137
cis-1,2-Dichloroethene	10.0	8.97		ug/L		90	69 - 133
cis-1,3-Dichloropropene	10.0	9.81		ug/L		98	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	8.20	I	ug/L		82	54 - 133
Dibromomethane	10.0	10.3		ug/L		103	63 - 123
1,2-Dichlorobenzene	10.0	9.46		ug/L		95	69 - 133
1,4-Dichlorobenzene	10.0	10.4		ug/L		104	69 - 133
Dichlorobromomethane	10.0	9.77		ug/L		98	62 - 122
1,1-Dichloroethane	10.0	10.9		ug/L		109	68 - 130
1,2-Dichloroethane	10.0	10.3		ug/L		103	64 - 124
1,1-Dichloroethene	10.0	11.2		ug/L		112	62 - 133
1,2-Dichloropropane	10.0	10.6		ug/L		106	79 - 130
Ethylbenzene	10.0	10.1		ug/L		101	77 - 117
Ethylene Dibromide	10.0	9.20		ug/L		92	63 - 124
2-Hexanone	100	72.6		ug/L		73	47 - 147
Iodomethane	10.0	9.62	I	ug/L		96	10 - 150
Methylene Chloride	10.0	10.9		ug/L		109	64 - 124
4-Methyl-2-pentanone (MIBK)	100	79.4		ug/L		79	46 - 146
Styrene	10.0	10.0		ug/L		100	65 - 130
1,1,1,2-Tetrachloroethane	10.0	10.2		ug/L		102	65 - 130
1,1,2,2-Tetrachloroethane	10.0	9.29		ug/L		93	67 - 130
Tetrachloroethene	10.0	10.7		ug/L		107	59 - 130
Toluene	10.0	9.88		ug/L		99	71 - 119
trans-1,4-Dichloro-2-butene	10.0	10.4		ug/L		104	48 - 138
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	67 - 130
trans-1,3-Dichloropropene	10.0	9.65		ug/L		97	57 - 121

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

Lab Sample ID: LCS 660-223815/4
Matrix: Water
Analysis Batch: 223815

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	10.4		ug/L		104	64 - 124
1,1,2-Trichloroethane	10.0	9.37		ug/L		94	68 - 130
Trichloroethene	10.0	10.3		ug/L		103	65 - 130
Trichlorofluoromethane	10.0	10.2		ug/L		102	56 - 135
1,2,3-Trichloropropane	10.0	8.95		ug/L		89	68 - 130
Vinyl acetate	20.0	19.2		ug/L		96	62 - 122
Vinyl chloride	10.0	10.8		ug/L		108	59 - 130

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

Lab Sample ID: 660-101389-2 MS
Matrix: Water
Analysis Batch: 223815

Client Sample ID: 2MW-25D
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	61.6		ug/L		62	45 - 150
Acrylonitrile	2.9	U	100	87.3		ug/L		87	64 - 124
Benzene	0.25	U	10.0	9.68		ug/L		97	66 - 131
Bromoform	1.1	U	10.0	8.72		ug/L		87	59 - 119
Bromomethane	2.5	U	10.0	11.5		ug/L		115	37 - 137
2-Butanone (MEK)	3.2	U	100	75.5		ug/L		76	46 - 146
Carbon disulfide	0.35	U	10.0	11.6		ug/L		116	52 - 129
Carbon tetrachloride	0.23	U	10.0	9.81		ug/L		98	62 - 124
Chlorobenzene	0.27	U	10.0	8.79		ug/L		88	67 - 130
Chlorobromomethane	0.36	U	10.0	8.96		ug/L		90	67 - 130
Chlorodibromomethane	0.31	U	10.0	9.11		ug/L		91	58 - 124
Chloroethane	2.5	U	10.0	9.44	I	ug/L		94	49 - 150
Chloroform	0.29	U	10.0	9.43		ug/L		94	77 - 119
Chloromethane	0.76	U	10.0	10.4		ug/L		104	52 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	9.85		ug/L		99	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	9.19		ug/L		92	68 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	9.27	I	ug/L		93	54 - 133
Dibromomethane	0.46	U	10.0	9.37		ug/L		94	63 - 123
1,2-Dichlorobenzene	0.24	U	10.0	8.95		ug/L		89	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	8.85		ug/L		88	69 - 133
Dichlorobromomethane	0.23	U	10.0	9.22		ug/L		92	62 - 122
1,1-Dichloroethane	0.32	U	10.0	9.18		ug/L		92	68 - 130
1,2-Dichloroethane	0.31	U	10.0	9.33		ug/L		93	64 - 124
1,1-Dichloroethene	0.26	U	10.0	10.6		ug/L		106	62 - 133
1,2-Dichloropropane	0.52	U	10.0	9.93		ug/L		99	79 - 130
Ethylbenzene	0.27	U	10.0	8.95		ug/L		89	77 - 117
Ethylene Dibromide	0.27	U	10.0	8.82		ug/L		88	63 - 124
2-Hexanone	4.4	U	100	78.8		ug/L		79	47 - 147
Iodomethane	4.1	U	10.0	9.01	I	ug/L		90	10 - 150
Methylene Chloride	1.4	U	10.0	8.87	I	ug/L		89	64 - 124

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

Lab Sample ID: 660-101389-2 MS
Matrix: Water
Analysis Batch: 223815

Client Sample ID: 2MW-25D
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	87.2		ug/L		87	46 - 146
Styrene	0.49	U	10.0	8.83		ug/L		88	65 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	8.28		ug/L		83	65 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	8.94		ug/L		89	67 - 130
Tetrachloroethene	0.50	U	10.0	9.59		ug/L		96	59 - 130
Toluene	0.24	U	10.0	9.21		ug/L		92	71 - 119
trans-1,4-Dichloro-2-butene	1.5	U	10.0	9.50	I	ug/L		95	48 - 138
trans-1,2-Dichloroethene	0.39	U	10.0	9.94		ug/L		99	67 - 130
trans-1,3-Dichloropropene	0.27	U	10.0	8.27		ug/L		83	57 - 121
1,1,1-Trichloroethane	0.30	U	10.0	9.61		ug/L		96	64 - 124
1,1,2-Trichloroethane	0.29	U	10.0	8.87		ug/L		89	68 - 130
Trichloroethene	0.61	U	10.0	9.07		ug/L		91	65 - 130
Trichlorofluoromethane	0.49	U	10.0	10.9		ug/L		109	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	8.72		ug/L		87	68 - 130
Vinyl acetate	2.6	U	20.0	18.6		ug/L		93	62 - 122
Vinyl chloride	0.26	U	10.0	10.8		ug/L		108	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*101*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 660-101389-1 DU
Matrix: Water
Analysis Batch: 223815

Client Sample ID: 2MW-26D
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: 660-101389-1 DU
Matrix: Water
Analysis Batch: 223815

Client Sample ID: 2MW-26D
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	2.6	U		2.6	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	*103*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 660-223917/7
Matrix: Water
Analysis Batch: 223917

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			04/21/20 10:13	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/21/20 10:13	1
Benzene	0.25	U	1.0	0.25	ug/L			04/21/20 10:13	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/21/20 10:13	1
Bromomethane	2.5	U	10	2.5	ug/L			04/21/20 10:13	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/21/20 10:13	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/21/20 10:13	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/21/20 10:13	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/21/20 10:13	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/21/20 10:13	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/21/20 10:13	1

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

Lab Sample ID: MB 660-223917/7
Matrix: Water
Analysis Batch: 223917

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			04/21/20 10:13	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/21/20 10:13	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/21/20 10:13	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/21/20 10:13	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/21/20 10:13	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/21/20 10:13	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/21/20 10:13	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/21/20 10:13	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/21/20 10:13	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/21/20 10:13	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/21/20 10:13	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/21/20 10:13	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/21/20 10:13	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/21/20 10:13	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/21/20 10:13	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/21/20 10:13	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/21/20 10:13	1
Iodomethane	4.1	U	15	4.1	ug/L			04/21/20 10:13	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/21/20 10:13	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/21/20 10:13	1
Styrene	0.49	U	2.0	0.49	ug/L			04/21/20 10:13	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/21/20 10:13	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/21/20 10:13	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/21/20 10:13	1
Toluene	0.24	U	1.0	0.24	ug/L			04/21/20 10:13	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/21/20 10:13	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/21/20 10:13	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/21/20 10:13	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/21/20 10:13	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/21/20 10:13	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/21/20 10:13	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/21/20 10:13	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/21/20 10:13	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/21/20 10:13	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/21/20 10:13	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/21/20 10:13	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*93*		*70 - 130*		*04/21/20 10:13*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/21/20 10:13*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/21/20 10:13*	*1*

Lab Sample ID: LCS 660-223917/5
Matrix: Water
Analysis Batch: 223917

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	89.1		ug/L		89	45 - 150

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

Lab Sample ID: LCS 660-223917/5
Matrix: Water
Analysis Batch: 223917

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acrylonitrile	100	104		ug/L		104	64 - 124
Benzene	10.0	8.17		ug/L		82	66 - 131
Bromoform	10.0	8.58		ug/L		86	59 - 119
Bromomethane	10.0	4.29	I	ug/L		43	37 - 137
2-Butanone (MEK)	100	88.5		ug/L		88	46 - 146
Carbon disulfide	10.0	7.16		ug/L		72	52 - 129
Carbon tetrachloride	10.0	8.12		ug/L		81	62 - 124
Chlorobenzene	10.0	9.45		ug/L		94	67 - 130
Chlorobromomethane	10.0	9.43		ug/L		94	67 - 130
Chlorodibromomethane	10.0	9.04		ug/L		90	58 - 124
Chloroethane	10.0	8.81	I	ug/L		88	49 - 150
Chloroform	10.0	8.81		ug/L		88	77 - 119
Chloromethane	10.0	8.62		ug/L		86	52 - 137
cis-1,2-Dichloroethene	10.0	8.76		ug/L		88	69 - 133
cis-1,3-Dichloropropene	10.0	8.00		ug/L		80	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	7.31	I	ug/L		73	54 - 133
Dibromomethane	10.0	8.47		ug/L		85	63 - 123
1,2-Dichlorobenzene	10.0	9.41		ug/L		94	69 - 133
1,4-Dichlorobenzene	10.0	9.26		ug/L		93	69 - 133
Dichlorobromomethane	10.0	9.14		ug/L		91	62 - 122
1,1-Dichloroethane	10.0	8.79		ug/L		88	68 - 130
1,2-Dichloroethane	10.0	8.40		ug/L		84	64 - 124
1,1-Dichloroethene	10.0	9.34		ug/L		93	62 - 133
1,2-Dichloropropane	10.0	8.71		ug/L		87	79 - 130
Ethylbenzene	10.0	9.13		ug/L		91	77 - 117
Ethylene Dibromide	10.0	8.82		ug/L		88	63 - 124
2-Hexanone	100	89.1		ug/L		89	47 - 147
Iodomethane	10.0	4.88	I	ug/L		49	10 - 150
Methylene Chloride	10.0	9.41	I	ug/L		94	64 - 124
4-Methyl-2-pentanone (MIBK)	100	87.5		ug/L		87	46 - 146
Styrene	10.0	9.24		ug/L		92	65 - 130
1,1,1,2-Tetrachloroethane	10.0	9.59		ug/L		96	65 - 130
1,1,2,2-Tetrachloroethane	10.0	9.24		ug/L		92	67 - 130
Tetrachloroethene	10.0	8.83		ug/L		88	59 - 130
Toluene	10.0	7.89		ug/L		79	71 - 119
trans-1,4-Dichloro-2-butene	10.0	7.79	I	ug/L		78	48 - 138
trans-1,2-Dichloroethene	10.0	9.10		ug/L		91	67 - 130
trans-1,3-Dichloropropene	10.0	7.32		ug/L		73	57 - 121
1,1,1-Trichloroethane	10.0	8.33		ug/L		83	64 - 124
1,1,2-Trichloroethane	10.0	8.90		ug/L		89	68 - 130
Trichloroethene	10.0	8.39		ug/L		84	65 - 130
Trichlorofluoromethane	10.0	9.15		ug/L		91	56 - 135
1,2,3-Trichloropropane	10.0	8.70		ug/L		87	68 - 130
Vinyl acetate	20.0	21.6		ug/L		108	62 - 122
Vinyl chloride	10.0	9.36		ug/L		94	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*96*		*70 - 130*

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

Lab Sample ID: LCS 660-223917/5
Matrix: Water
Analysis Batch: 223917

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

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

Lab Sample ID: 660-101505-C-14 MS
Matrix: Water
Analysis Batch: 223917

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	101		ug/L		101	45 - 150
Acrylonitrile	2.9	U	100	112		ug/L		112	64 - 124
Benzene	0.25	U	10.0	9.02		ug/L		90	66 - 131
Bromoform	1.1	U	10.0	8.81		ug/L		88	59 - 119
Bromomethane	2.5	U	10.0	4.61	I	ug/L		46	37 - 137
2-Butanone (MEK)	3.2	U	100	99.9		ug/L		100	46 - 146
Carbon disulfide	0.35	U	10.0	7.84		ug/L		78	52 - 129
Carbon tetrachloride	0.23	U	10.0	8.77		ug/L		88	62 - 124
Chlorobenzene	0.27	U	10.0	10.4		ug/L		104	67 - 130
Chlorobromomethane	0.36	U	10.0	9.72		ug/L		97	67 - 130
Chlorodibromomethane	0.31	U	10.0	9.47		ug/L		95	58 - 124
Chloroethane	2.5	U	10.0	8.34	I	ug/L		83	49 - 150
Chloroform	0.29	U	10.0	9.73		ug/L		97	77 - 119
Chloromethane	0.76	U	10.0	7.24		ug/L		72	52 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	9.53		ug/L		95	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	8.43		ug/L		84	68 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	7.55	I	ug/L		75	54 - 133
Dibromomethane	0.46	U	10.0	9.50		ug/L		95	63 - 123
1,2-Dichlorobenzene	0.24	U	10.0	9.59		ug/L		96	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	9.80		ug/L		98	69 - 133
Dichlorobromomethane	0.23	U	10.0	9.63		ug/L		96	62 - 122
1,1-Dichloroethane	0.32	U	10.0	9.60		ug/L		96	68 - 130
1,2-Dichloroethane	0.31	U	10.0	9.32		ug/L		93	64 - 124
1,1-Dichloroethene	0.26	U	10.0	10.1		ug/L		101	62 - 133
1,2-Dichloropropane	0.52	U	10.0	9.27		ug/L		93	79 - 130
Ethylbenzene	0.27	U	10.0	9.56		ug/L		96	77 - 117
Ethylene Dibromide	0.27	U	10.0	9.41		ug/L		94	63 - 124
2-Hexanone	4.4	U	100	98.3		ug/L		98	47 - 147
Iodomethane	4.1	U J3	10.0	4.1	U J3	ug/L		0	10 - 150
Methylene Chloride	1.4	U	10.0	9.58	I	ug/L		96	64 - 124
4-Methyl-2-pentanone (MIBK)	4.0	U	100	96.8		ug/L		97	46 - 146
Styrene	0.49	U	10.0	10.2		ug/L		102	65 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	10.2		ug/L		102	65 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	10.0		ug/L		100	67 - 130
Tetrachloroethene	0.50	U	10.0	8.36		ug/L		84	59 - 130
Toluene	0.24	U	10.0	8.70		ug/L		87	71 - 119
trans-1,4-Dichloro-2-butene	1.5	U	10.0	8.20	I	ug/L		82	48 - 138
trans-1,2-Dichloroethene	0.39	U	10.0	9.63		ug/L		96	67 - 130
trans-1,3-Dichloropropene	0.27	U	10.0	8.02		ug/L		80	57 - 121
1,1,1-Trichloroethane	0.30	U	10.0	9.14		ug/L		91	64 - 124

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

Lab Sample ID: 660-101505-C-14 MS
Matrix: Water
Analysis Batch: 223917

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
1,1,2-Trichloroethane	0.29	U	10.0	9.63		ug/L		96	68 - 130
Trichloroethene	0.61	U	10.0	8.75		ug/L		88	65 - 130
Trichlorofluoromethane	0.49	U	10.0	9.29		ug/L		93	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	10.0		ug/L		100	68 - 130
Vinyl acetate	2.6	U J3	20.0	24.6	J3	ug/L		123	62 - 122
Vinyl chloride	0.26	U	10.0	8.03		ug/L		80	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*95*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 660-101505-C-15 DU
Matrix: Water
Analysis Batch: 223917

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	ug/L			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	ug/L			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	7.9		7.97		ug/L		1	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	ug/L			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	ug/L			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: 660-101505-C-15 DU
Matrix: Water
Analysis Batch: 223917

Client Sample ID: Duplicate
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	ug/L					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	ug/L					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	ug/L					30
Vinyl acetate				2.6	U	ug/L					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	*93*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 660-224072/16
Matrix: Water
Analysis Batch: 224072

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			04/24/20 18:22	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/24/20 18:22	1
Benzene	0.25	U	1.0	0.25	ug/L			04/24/20 18:22	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/24/20 18:22	1
Bromomethane	2.5	U	10	2.5	ug/L			04/24/20 18:22	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/24/20 18:22	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/24/20 18:22	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/24/20 18:22	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/24/20 18:22	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/24/20 18:22	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/24/20 18:22	1
Chloroethane	2.5	U	10	2.5	ug/L			04/24/20 18:22	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/24/20 18:22	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/24/20 18:22	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/24/20 18:22	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/24/20 18:22	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/24/20 18:22	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/24/20 18:22	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/24/20 18:22	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/24/20 18:22	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/24/20 18:22	1

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

Lab Sample ID: MB 660-224072/16
Matrix: Water
Analysis Batch: 224072

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			04/24/20 18:22	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/24/20 18:22	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/24/20 18:22	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/24/20 18:22	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/24/20 18:22	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/24/20 18:22	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/24/20 18:22	1
Iodomethane	4.1	U	15	4.1	ug/L			04/24/20 18:22	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/24/20 18:22	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/24/20 18:22	1
Styrene	0.49	U	2.0	0.49	ug/L			04/24/20 18:22	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/24/20 18:22	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/24/20 18:22	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/24/20 18:22	1
Toluene	0.24	U	1.0	0.24	ug/L			04/24/20 18:22	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/24/20 18:22	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/24/20 18:22	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/24/20 18:22	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/24/20 18:22	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/24/20 18:22	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/24/20 18:22	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/24/20 18:22	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/24/20 18:22	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/24/20 18:22	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/24/20 18:22	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/24/20 18:22	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/24/20 18:22*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*04/24/20 18:22*	*1*
Toluene-d8 (Surr)	*100*		*70 - 130*		*04/24/20 18:22*	*1*

Lab Sample ID: LCS 660-224072/13
Matrix: Water
Analysis Batch: 224072

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	113		ug/L		113	45 - 150
Acrylonitrile	100	116		ug/L		116	64 - 124
Benzene	10.0	10.3		ug/L		103	66 - 131
Bromoform	10.0	10.0		ug/L		100	59 - 119
Bromomethane	10.0	9.17	I	ug/L		92	37 - 137
2-Butanone (MEK)	100	101		ug/L		101	46 - 146
Carbon disulfide	10.0	12.0		ug/L		120	52 - 129
Carbon tetrachloride	10.0	9.26		ug/L		93	62 - 124
Chlorobenzene	10.0	10.6		ug/L		106	67 - 130
Chlorobromomethane	10.0	10.3		ug/L		103	67 - 130
Chlorodibromomethane	10.0	10.1		ug/L		101	58 - 124

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

Lab Sample ID: LCS 660-224072/13
Matrix: Water
Analysis Batch: 224072

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	8.68	I	ug/L		87	49 - 150
Chloroform	10.0	10.3		ug/L		103	77 - 119
Chloromethane	10.0	9.70		ug/L		97	52 - 137
cis-1,2-Dichloroethene	10.0	10.8		ug/L		108	69 - 133
cis-1,3-Dichloropropene	10.0	10.4		ug/L		104	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	13.1		ug/L		131	54 - 133
Dibromomethane	10.0	10.9		ug/L		109	63 - 123
1,2-Dichlorobenzene	10.0	10.5		ug/L		105	69 - 133
1,4-Dichlorobenzene	10.0	10.7		ug/L		107	69 - 133
Dichlorobromomethane	10.0	10.0		ug/L		100	62 - 122
1,1-Dichloroethane	10.0	10.6		ug/L		106	68 - 130
1,2-Dichloroethane	10.0	10.7		ug/L		107	64 - 124
1,1-Dichloroethene	10.0	11.0		ug/L		110	62 - 133
1,2-Dichloropropane	10.0	10.9		ug/L		109	79 - 130
Ethylbenzene	10.0	10.2		ug/L		102	77 - 117
Ethylene Dibromide	10.0	10.9		ug/L		109	63 - 124
2-Hexanone	100	106		ug/L		106	47 - 147
Iodomethane	10.0	13.5	I	ug/L		135	10 - 150
Methylene Chloride	10.0	10.7		ug/L		107	64 - 124
4-Methyl-2-pentanone (MIBK)	100	103		ug/L		103	46 - 146
Styrene	10.0	10.5		ug/L		105	65 - 130
1,1,1,2-Tetrachloroethane	10.0	9.68		ug/L		97	65 - 130
1,1,2,2-Tetrachloroethane	10.0	11.5		ug/L		115	67 - 130
Tetrachloroethene	10.0	10.6		ug/L		106	59 - 130
Toluene	10.0	10.4		ug/L		104	71 - 119
trans-1,4-Dichloro-2-butene	10.0	12.2		ug/L		122	48 - 138
trans-1,2-Dichloroethene	10.0	10.9		ug/L		109	67 - 130
trans-1,3-Dichloropropene	10.0	9.51		ug/L		95	57 - 121
1,1,1-Trichloroethane	10.0	10.5		ug/L		105	64 - 124
1,1,2-Trichloroethane	10.0	11.3		ug/L		113	68 - 130
Trichloroethene	10.0	10.5		ug/L		105	65 - 130
Trichlorofluoromethane	10.0	10.3		ug/L		103	56 - 135
1,2,3-Trichloropropane	10.0	11.5		ug/L		115	68 - 130
Vinyl acetate	20.0	19.8		ug/L		99	62 - 122
Vinyl chloride	10.0	9.76		ug/L		98	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 660-101709-S-1 MS
Matrix: Water
Analysis Batch: 224072

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	120		100	252		ug/L		136	45 - 150
Acrylonitrile	2.9	U	100	107		ug/L		107	64 - 124

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

Lab Sample ID: 660-101709-S-1 MS
Matrix: Water
Analysis Batch: 224072

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	11.2		ug/L		112	66 - 131
Bromoform	1.1	U	10.0	8.92		ug/L		89	59 - 119
Bromomethane	2.5	U	10.0	5.46	I	ug/L		55	37 - 137
2-Butanone (MEK)	12		100	121		ug/L		109	46 - 146
Carbon disulfide	1.6	I	10.0	13.6		ug/L		120	52 - 129
Carbon tetrachloride	0.23	U	10.0	9.80		ug/L		98	62 - 124
Chlorobenzene	0.27	U	10.0	11.2		ug/L		112	67 - 130
Chlorobromomethane	0.36	U	10.0	10.7		ug/L		107	67 - 130
Chlorodibromomethane	0.31	U	10.0	9.75		ug/L		98	58 - 124
Chloroethane	2.5	U	10.0	8.16	I	ug/L		82	49 - 150
Chloroform	1.7		10.0	13.1		ug/L		114	77 - 119
Chloromethane	0.76	U	10.0	10.1		ug/L		101	52 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	11.1		ug/L		111	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	10.4		ug/L		104	68 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	11.7		ug/L		117	54 - 133
Dibromomethane	0.46	U	10.0	11.6		ug/L		116	63 - 123
1,2-Dichlorobenzene	0.24	U	10.0	10.6		ug/L		106	69 - 133
1,4-Dichlorobenzene	1.1		10.0	11.7		ug/L		105	69 - 133
Dichlorobromomethane	0.23	U	10.0	10.4		ug/L		104	62 - 122
1,1-Dichloroethane	0.32	U	10.0	10.8		ug/L		108	68 - 130
1,2-Dichloroethane	0.31	U	10.0	10.0		ug/L		100	64 - 124
1,1-Dichloroethene	0.26	U	10.0	10.9		ug/L		109	62 - 133
1,2-Dichloropropane	0.52	U	10.0	11.3		ug/L		113	79 - 130
Ethylbenzene	0.27	U	10.0	11.1		ug/L		111	77 - 117
Ethylene Dibromide	0.27	U	10.0	11.0		ug/L		110	63 - 124
2-Hexanone	4.4	U	100	113		ug/L		113	47 - 147
Iodomethane	4.1	U	10.0	11.3	I	ug/L		113	10 - 150
Methylene Chloride	1.4	U	10.0	10.5		ug/L		105	64 - 124
4-Methyl-2-pentanone (MIBK)	4.0	U	100	109		ug/L		109	46 - 146
Styrene	0.49	U	10.0	10.9		ug/L		109	65 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	10.5		ug/L		105	65 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	10.7		ug/L		107	67 - 130
Tetrachloroethene	0.50	U	10.0	11.1		ug/L		111	59 - 130
Toluene	1.6		10.0	12.8		ug/L		112	71 - 119
trans-1,4-Dichloro-2-butene	1.5	U	10.0	7.16	I	ug/L		72	48 - 138
trans-1,2-Dichloroethene	0.39	U	10.0	10.7		ug/L		107	67 - 130
trans-1,3-Dichloropropene	0.27	U	10.0	9.93		ug/L		99	57 - 121
1,1,1-Trichloroethane	0.30	U	10.0	11.1		ug/L		111	64 - 124
1,1,2-Trichloroethane	0.29	U	10.0	10.6		ug/L		106	68 - 130
Trichloroethene	0.61	U	10.0	11.4		ug/L		114	65 - 130
Trichlorofluoromethane	0.49	U	10.0	10.2		ug/L		102	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	11.8		ug/L		118	68 - 130
Vinyl acetate	2.6	U J3	20.0	12.3	J3	ug/L		61	62 - 122
Vinyl chloride	0.26	U	10.0	9.89		ug/L		99	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*

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

Lab Sample ID: 660-101709-S-1 MS
Matrix: Water
Analysis Batch: 224072

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

Surrogate	MS %Recovery	MS Qualifier	Limits
Toluene-d8 (Surr)	98		70 - 130

Lab Sample ID: 660-101740-Z-1 DU
Matrix: Water
Analysis Batch: 224072

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
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: 660-101740-Z-1 DU
Matrix: Water
Analysis Batch: 224072

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	2.6	U		2.6	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	*100*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 660-224139/6
Matrix: Water
Analysis Batch: 224139

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			04/28/20 10:24	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/28/20 10:24	1
Benzene	0.25	U	1.0	0.25	ug/L			04/28/20 10:24	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/28/20 10:24	1
Bromomethane	2.5	U	10	2.5	ug/L			04/28/20 10:24	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/28/20 10:24	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/28/20 10:24	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/28/20 10:24	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/28/20 10:24	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/28/20 10:24	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/28/20 10:24	1
Chloroethane	2.5	U	10	2.5	ug/L			04/28/20 10:24	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/28/20 10:24	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/28/20 10:24	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/28/20 10:24	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/28/20 10:24	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/28/20 10:24	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/28/20 10:24	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/28/20 10:24	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/28/20 10:24	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/28/20 10:24	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/28/20 10:24	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/28/20 10:24	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/28/20 10:24	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/28/20 10:24	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/28/20 10:24	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/28/20 10:24	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/28/20 10:24	1
Iodomethane	4.1	U	15	4.1	ug/L			04/28/20 10:24	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/28/20 10:24	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/28/20 10:24	1

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

Lab Sample ID: MB 660-224139/6
Matrix: Water
Analysis Batch: 224139

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			04/28/20 10:24	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/28/20 10:24	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/28/20 10:24	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/28/20 10:24	1
Toluene	0.24	U	1.0	0.24	ug/L			04/28/20 10:24	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/28/20 10:24	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/28/20 10:24	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/28/20 10:24	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/28/20 10:24	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/28/20 10:24	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/28/20 10:24	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/28/20 10:24	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/28/20 10:24	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/28/20 10:24	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/28/20 10:24	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/28/20 10:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*04/28/20 10:24*	*1*
Dibromofluoromethane	*95*		*70 - 130*		*04/28/20 10:24*	*1*
Toluene-d8 (Surr)	*101*		*70 - 130*		*04/28/20 10:24*	*1*

Lab Sample ID: LCS 660-224139/4
Matrix: Water
Analysis Batch: 224139

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	90.8		ug/L		91	45 - 150
Acrylonitrile	100	92.8		ug/L		93	64 - 124
Benzene	10.0	8.13		ug/L		81	66 - 131
Bromoform	10.0	9.37		ug/L		94	59 - 119
Bromomethane	10.0	5.47	I	ug/L		55	37 - 137
2-Butanone (MEK)	100	88.2		ug/L		88	46 - 146
Carbon disulfide	10.0	8.50		ug/L		85	52 - 129
Carbon tetrachloride	10.0	7.20		ug/L		72	62 - 124
Chlorobenzene	10.0	9.31		ug/L		93	67 - 130
Chlorobromomethane	10.0	9.23		ug/L		92	67 - 130
Chlorodibromomethane	10.0	9.22		ug/L		92	58 - 124
Chloroethane	10.0	8.19	I	ug/L		82	49 - 150
Chloroform	10.0	9.00		ug/L		90	77 - 119
Chloromethane	10.0	8.44		ug/L		84	52 - 137
cis-1,2-Dichloroethene	10.0	9.26		ug/L		93	69 - 133
cis-1,3-Dichloropropene	10.0	9.12		ug/L		91	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	8.83	I	ug/L		88	54 - 133
Dibromomethane	10.0	9.23		ug/L		92	63 - 123
1,2-Dichlorobenzene	10.0	9.41		ug/L		94	69 - 133
1,4-Dichlorobenzene	10.0	9.20		ug/L		92	69 - 133
Dichlorobromomethane	10.0	9.79		ug/L		98	62 - 122

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

Lab Sample ID: LCS 660-224139/4
Matrix: Water
Analysis Batch: 224139

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	8.63		ug/L		86	68 - 130
1,2-Dichloroethane	10.0	9.06		ug/L		91	64 - 124
1,1-Dichloroethene	10.0	6.98		ug/L		70	62 - 133
1,2-Dichloropropane	10.0	9.03		ug/L		90	79 - 130
Ethylbenzene	10.0	8.22		ug/L		82	77 - 117
Ethylene Dibromide	10.0	9.59		ug/L		96	63 - 124
2-Hexanone	100	92.4		ug/L		92	47 - 147
Iodomethane	10.0	11.8	I	ug/L		118	10 - 150
Methylene Chloride	10.0	8.65	I	ug/L		87	64 - 124
4-Methyl-2-pentanone (MIBK)	100	82.9		ug/L		83	46 - 146
Styrene	10.0	9.31		ug/L		93	65 - 130
1,1,1,2-Tetrachloroethane	10.0	8.72		ug/L		87	65 - 130
1,1,2,2-Tetrachloroethane	10.0	8.92		ug/L		89	67 - 130
Tetrachloroethene	10.0	7.29		ug/L		73	59 - 130
Toluene	10.0	9.16		ug/L		92	71 - 119
trans-1,4-Dichloro-2-butene	10.0	8.96	I	ug/L		90	48 - 138
trans-1,2-Dichloroethene	10.0	8.84		ug/L		88	67 - 130
trans-1,3-Dichloropropene	10.0	8.45		ug/L		84	57 - 121
1,1,1-Trichloroethane	10.0	7.19		ug/L		72	64 - 124
1,1,2-Trichloroethane	10.0	9.26		ug/L		93	68 - 130
Trichloroethene	10.0	8.36		ug/L		84	65 - 130
Trichlorofluoromethane	10.0	7.54		ug/L		75	56 - 135
1,2,3-Trichloropropane	10.0	9.21		ug/L		92	68 - 130
Vinyl acetate	20.0	17.7		ug/L		89	62 - 122
Vinyl chloride	10.0	7.87		ug/L		79	59 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*98*		*70 - 130*

Lab Sample ID: 660-101589-P-18 MS
Matrix: Water
Analysis Batch: 224139

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	127		ug/L		127	45 - 150
Acrylonitrile	2.9	U	100	104		ug/L		104	64 - 124
Benzene	0.25	U	10.0	10.3		ug/L		103	66 - 131
Bromoform	1.1	U	10.0	9.12		ug/L		91	59 - 119
Bromomethane	2.5	U J3	10.0	3.39	I J3	ug/L		34	37 - 137
2-Butanone (MEK)	3.2	U	100	122		ug/L		122	46 - 146
Carbon disulfide	0.35	U	10.0	10.1		ug/L		101	52 - 129
Carbon tetrachloride	0.23	U	10.0	8.18		ug/L		82	62 - 124
Chlorobenzene	0.27	U	10.0	11.2		ug/L		112	67 - 130
Chlorobromomethane	0.36	U	10.0	9.82		ug/L		98	67 - 130
Chlorodibromomethane	0.31	U	10.0	10.3		ug/L		103	58 - 124
Chloroethane	2.5	U	10.0	11.4		ug/L		114	49 - 150

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

Lab Sample ID: 660-101589-P-18 MS
Matrix: Water
Analysis Batch: 224139

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
Chloroform	0.29	U	10.0	9.89		ug/L		99	77 - 119
Chloromethane	0.76	U	10.0	9.01		ug/L		90	52 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	10.2		ug/L		102	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	9.75		ug/L		98	68 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	11.4		ug/L		114	54 - 133
Dibromomethane	0.46	U	10.0	10.3		ug/L		103	63 - 123
1,2-Dichlorobenzene	0.24	U	10.0	11.0		ug/L		110	69 - 133
1,4-Dichlorobenzene	0.52	I	10.0	11.3		ug/L		108	69 - 133
Dichlorobromomethane	0.23	U	10.0	10.3		ug/L		103	62 - 122
1,1-Dichloroethane	0.32	U	10.0	9.31		ug/L		93	68 - 130
1,2-Dichloroethane	0.31	U	10.0	9.54		ug/L		95	64 - 124
1,1-Dichloroethene	0.26	U	10.0	9.73		ug/L		97	62 - 133
1,2-Dichloropropane	0.52	U	10.0	10.6		ug/L		106	79 - 130
Ethylbenzene	0.27	U	10.0	10.2		ug/L		102	77 - 117
Ethylene Dibromide	0.27	U	10.0	10.2		ug/L		102	63 - 124
2-Hexanone	4.4	U	100	135		ug/L		135	47 - 147
Iodomethane	4.1	U	10.0	10.7	I	ug/L		107	10 - 150
Methylene Chloride	1.4	U	10.0	8.38	I	ug/L		84	64 - 124
4-Methyl-2-pentanone (MIBK)	4.0	U	100	121		ug/L		121	46 - 146
Styrene	0.49	U	10.0	10.1		ug/L		101	65 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	8.98		ug/L		90	65 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	10.2		ug/L		102	67 - 130
Tetrachloroethene	0.50	U	10.0	9.55		ug/L		95	59 - 130
Toluene	0.24	U	10.0	10.3		ug/L		103	71 - 119
trans-1,4-Dichloro-2-butene	1.5	U	10.0	6.65	I	ug/L		67	48 - 138
trans-1,2-Dichloroethene	0.39	U	10.0	10.0		ug/L		100	67 - 130
trans-1,3-Dichloropropene	0.27	U	10.0	9.28		ug/L		93	57 - 121
1,1,1-Trichloroethane	0.30	U	10.0	9.54		ug/L		95	64 - 124
1,1,2-Trichloroethane	0.29	U	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	0.61	U	10.0	9.83		ug/L		98	65 - 130
Trichlorofluoromethane	0.49	U	10.0	10.1		ug/L		101	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	10.3		ug/L		103	68 - 130
Vinyl acetate	2.6	U	20.0	20.2		ug/L		101	62 - 122
Vinyl chloride	0.26	U	10.0	10.0		ug/L		100	59 - 130

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

Lab Sample ID: 660-101589-Q-17 DU
Matrix: Water
Analysis Batch: 224139

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

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

Lab Sample ID: 660-101589-Q-17 DU
Matrix: Water
Analysis Batch: 224139

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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	2.6	U		2.6	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	*101*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*

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

Lab Sample ID: 660-101589-Q-17 DU
Matrix: Water
Analysis Batch: 224139

Client Sample ID: Duplicate
Prep Type: Total/NA

Surrogate	DU %Recovery	DU Qualifier	Limits
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 660-224191/6
Matrix: Water
Analysis Batch: 224191

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			04/29/20 12:24	1
Acrylonitrile	2.9	U	10	2.9	ug/L			04/29/20 12:24	1
Benzene	0.25	U	1.0	0.25	ug/L			04/29/20 12:24	1
Bromoform	1.1	U	5.0	1.1	ug/L			04/29/20 12:24	1
Bromomethane	2.5	U	10	2.5	ug/L			04/29/20 12:24	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			04/29/20 12:24	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			04/29/20 12:24	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			04/29/20 12:24	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			04/29/20 12:24	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			04/29/20 12:24	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			04/29/20 12:24	1
Chloroethane	2.5	U	10	2.5	ug/L			04/29/20 12:24	1
Chloroform	0.29	U	1.0	0.29	ug/L			04/29/20 12:24	1
Chloromethane	0.76	U	2.0	0.76	ug/L			04/29/20 12:24	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			04/29/20 12:24	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			04/29/20 12:24	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			04/29/20 12:24	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			04/29/20 12:24	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			04/29/20 12:24	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			04/29/20 12:24	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			04/29/20 12:24	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			04/29/20 12:24	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			04/29/20 12:24	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			04/29/20 12:24	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			04/29/20 12:24	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			04/29/20 12:24	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			04/29/20 12:24	1
2-Hexanone	4.4	U	15	4.4	ug/L			04/29/20 12:24	1
Iodomethane	4.1	U	15	4.1	ug/L			04/29/20 12:24	1
Methylene Chloride	1.4	U	10	1.4	ug/L			04/29/20 12:24	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			04/29/20 12:24	1
Styrene	0.49	U	2.0	0.49	ug/L			04/29/20 12:24	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			04/29/20 12:24	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			04/29/20 12:24	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			04/29/20 12:24	1
Toluene	0.24	U	1.0	0.24	ug/L			04/29/20 12:24	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			04/29/20 12:24	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			04/29/20 12:24	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			04/29/20 12:24	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			04/29/20 12:24	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			04/29/20 12:24	1

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

Lab Sample ID: MB 660-224191/6
Matrix: Water
Analysis Batch: 224191

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Trichloroethene	0.61	U	2.0	0.61	ug/L			04/29/20 12:24	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			04/29/20 12:24	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			04/29/20 12:24	1
Vinyl acetate	2.6	U	10	2.6	ug/L			04/29/20 12:24	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			04/29/20 12:24	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			04/29/20 12:24	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*97*		*70 - 130*		*04/29/20 12:24*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*04/29/20 12:24*	*1*
Toluene-d8 (Surr)	*98*		*70 - 130*		*04/29/20 12:24*	*1*

Lab Sample ID: LCS 660-224191/4
Matrix: Water
Analysis Batch: 224191

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	76.3		ug/L		76	45 - 150
Acrylonitrile	100	94.4		ug/L		94	64 - 124
Benzene	10.0	9.40		ug/L		94	66 - 131
Bromoform	10.0	8.66		ug/L		87	59 - 119
Bromomethane	10.0	9.60	I	ug/L		96	37 - 137
2-Butanone (MEK)	100	88.8		ug/L		89	46 - 146
Carbon disulfide	10.0	8.87		ug/L		89	52 - 129
Carbon tetrachloride	10.0	8.81		ug/L		88	62 - 124
Chlorobenzene	10.0	9.68		ug/L		97	67 - 130
Chlorobromomethane	10.0	9.60		ug/L		96	67 - 130
Chlorodibromomethane	10.0	8.92		ug/L		89	58 - 124
Chloroethane	10.0	10.3		ug/L		103	49 - 150
Chloroform	10.0	9.46		ug/L		95	77 - 119
Chloromethane	10.0	9.88		ug/L		99	52 - 137
cis-1,2-Dichloroethene	10.0	9.95		ug/L		99	69 - 133
cis-1,3-Dichloropropene	10.0	9.59		ug/L		96	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	7.19	I	ug/L		72	54 - 133
Dibromomethane	10.0	9.86		ug/L		99	63 - 123
1,2-Dichlorobenzene	10.0	9.71		ug/L		97	69 - 133
1,4-Dichlorobenzene	10.0	10.1		ug/L		101	69 - 133
Dichlorobromomethane	10.0	9.08		ug/L		91	62 - 122
1,1-Dichloroethane	10.0	9.33		ug/L		93	68 - 130
1,2-Dichloroethane	10.0	9.42		ug/L		94	64 - 124
1,1-Dichloroethene	10.0	9.11		ug/L		91	62 - 133
1,2-Dichloropropane	10.0	9.75		ug/L		97	79 - 130
Ethylbenzene	10.0	9.38		ug/L		94	77 - 117
Ethylene Dibromide	10.0	9.14		ug/L		91	63 - 124
2-Hexanone	100	94.1		ug/L		94	47 - 147
Iodomethane	10.0	9.50	I	ug/L		95	10 - 150
Methylene Chloride	10.0	9.26	I	ug/L		93	64 - 124
4-Methyl-2-pentanone (MIBK)	100	93.2		ug/L		93	46 - 146

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

Lab Sample ID: LCS 660-224191/4
Matrix: Water
Analysis Batch: 224191

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Styrene	10.0	9.66		ug/L		97	65 - 130
1,1,1,2-Tetrachloroethane	10.0	9.28		ug/L		93	65 - 130
1,1,2,2-Tetrachloroethane	10.0	9.57		ug/L		96	67 - 130
Tetrachloroethene	10.0	9.59		ug/L		96	59 - 130
Toluene	10.0	9.13		ug/L		91	71 - 119
trans-1,4-Dichloro-2-butene	10.0	8.79	I	ug/L		88	48 - 138
trans-1,2-Dichloroethene	10.0	9.68		ug/L		97	67 - 130
trans-1,3-Dichloropropene	10.0	8.57		ug/L		86	57 - 121
1,1,1-Trichloroethane	10.0	9.15		ug/L		91	64 - 124
1,1,2-Trichloroethane	10.0	9.50		ug/L		95	68 - 130
Trichloroethene	10.0	9.24		ug/L		92	65 - 130
Trichlorofluoromethane	10.0	9.91		ug/L		99	56 - 135
1,2,3-Trichloropropane	10.0	9.95		ug/L		99	68 - 130
Vinyl acetate	20.0	22.2		ug/L		111	62 - 122
Vinyl chloride	10.0	10.5		ug/L		105	59 - 130

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

Lab Sample ID: 660-101782-A-3 MS
Matrix: Water
Analysis Batch: 224191

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	73.7		ug/L		74	45 - 150
Acrylonitrile	2.9	U	100	97.8		ug/L		98	64 - 124
Benzene	0.25	U	10.0	10.1		ug/L		101	66 - 131
Bromoform	1.1	U	10.0	7.99		ug/L		80	59 - 119
Bromomethane	2.5	U	10.0	9.65	I	ug/L		96	37 - 137
2-Butanone (MEK)	3.2	U	100	92.8		ug/L		93	46 - 146
Carbon disulfide	0.35	U	10.0	9.50		ug/L		95	52 - 129
Carbon tetrachloride	0.23	U	10.0	9.66		ug/L		97	62 - 124
Chlorobenzene	0.27	U	10.0	10.6		ug/L		106	67 - 130
Chlorobromomethane	0.36	U	10.0	9.53		ug/L		95	67 - 130
Chlorodibromomethane	0.31	U	10.0	9.03		ug/L		90	58 - 124
Chloroethane	2.5	U	10.0	10.7		ug/L		107	49 - 150
Chloroform	0.29	U	10.0	10.1		ug/L		101	77 - 119
Chloromethane	0.76	U	10.0	9.47		ug/L		95	52 - 137
cis-1,2-Dichloroethene	0.67	I	10.0	11.2		ug/L		106	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	10.1		ug/L		101	68 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	6.23	I	ug/L		62	54 - 133
Dibromomethane	0.46	U	10.0	9.92		ug/L		99	63 - 123
1,2-Dichlorobenzene	0.24	U	10.0	10.2		ug/L		102	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	10.5		ug/L		105	69 - 133
Dichlorobromomethane	0.23	U	10.0	9.62		ug/L		96	62 - 122
1,1-Dichloroethane	0.32	U	10.0	10.7		ug/L		107	68 - 130

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

Lab Sample ID: 660-101782-A-3 MS
Matrix: Water
Analysis Batch: 224191

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
1,2-Dichloroethane	0.31	U	10.0	9.58		ug/L		96	64 - 124
1,1-Dichloroethene	0.26	U	10.0	10.1		ug/L		101	62 - 133
1,2-Dichloropropane	0.52	U	10.0	10.6		ug/L		106	79 - 130
Ethylbenzene	0.27	U	10.0	10.3		ug/L		103	77 - 117
Ethylene Dibromide	0.27	U	10.0	9.56		ug/L		96	63 - 124
2-Hexanone	4.4	U	100	104		ug/L		104	47 - 147
Iodomethane	4.1	U	10.0	9.85	I	ug/L		99	10 - 150
Methylene Chloride	1.4	U	10.0	9.47	I	ug/L		95	64 - 124
4-Methyl-2-pentanone (MIBK)	4.0	U	100	99.6		ug/L		100	46 - 146
Styrene	0.49	U	10.0	10.3		ug/L		103	65 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	10.0		ug/L		100	65 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	10.1		ug/L		101	67 - 130
Tetrachloroethene	0.50	U	10.0	11.2		ug/L		112	59 - 130
Toluene	0.60	I	10.0	10.9		ug/L		103	71 - 119
trans-1,4-Dichloro-2-butene	1.5	U	10.0	9.19	I	ug/L		92	48 - 138
trans-1,2-Dichloroethene	0.39	U	10.0	10.7		ug/L		107	67 - 130
trans-1,3-Dichloropropene	0.27	U	10.0	8.71		ug/L		87	57 - 121
1,1,1-Trichloroethane	0.30	U	10.0	9.96		ug/L		100	64 - 124
1,1,2-Trichloroethane	0.29	U	10.0	10.1		ug/L		101	68 - 130
Trichloroethene	0.61	U	10.0	10.7		ug/L		107	65 - 130
Trichlorofluoromethane	0.49	U	10.0	10.3		ug/L		103	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	9.99		ug/L		100	68 - 130
Vinyl acetate	2.6	U	20.0	22.5		ug/L		113	62 - 122
Vinyl chloride	1.4		10.0	11.5		ug/L		101	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: 660-101782-A-2 DU
Matrix: Water
Analysis Batch: 224191

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

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

Lab Sample ID: 660-101782-A-2 DU
Matrix: Water
Analysis Batch: 224191

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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	2.6	U		2.6	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	*99*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 660-224380/8
Matrix: Water
Analysis Batch: 224380

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			05/05/20 10:36	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/05/20 10:36	1
Benzene	0.25	U	1.0	0.25	ug/L			05/05/20 10:36	1

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

Lab Sample ID: MB 660-224380/8
Matrix: Water
Analysis Batch: 224380

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Bromoform	1.1	U	5.0	1.1	ug/L			05/05/20 10:36	1
Bromomethane	2.5	U	10	2.5	ug/L			05/05/20 10:36	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/05/20 10:36	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/05/20 10:36	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/05/20 10:36	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/05/20 10:36	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/05/20 10:36	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/05/20 10:36	1
Chloroethane	2.5	U	10	2.5	ug/L			05/05/20 10:36	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/05/20 10:36	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/05/20 10:36	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/05/20 10:36	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/05/20 10:36	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/05/20 10:36	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/05/20 10:36	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/05/20 10:36	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/05/20 10:36	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/05/20 10:36	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/05/20 10:36	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/05/20 10:36	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/05/20 10:36	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/05/20 10:36	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/05/20 10:36	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/05/20 10:36	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/05/20 10:36	1
Iodomethane	4.1	U	15	4.1	ug/L			05/05/20 10:36	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/05/20 10:36	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/05/20 10:36	1
Styrene	0.49	U	2.0	0.49	ug/L			05/05/20 10:36	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/05/20 10:36	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/05/20 10:36	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/05/20 10:36	1
Toluene	0.24	U	1.0	0.24	ug/L			05/05/20 10:36	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/05/20 10:36	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/05/20 10:36	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/05/20 10:36	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/05/20 10:36	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/05/20 10:36	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/05/20 10:36	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/05/20 10:36	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/05/20 10:36	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/05/20 10:36	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/05/20 10:36	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/05/20 10:36	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*05/05/20 10:36*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*05/05/20 10:36*	*1*

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

Lab Sample ID: MB 660-224380/8
Matrix: Water
Analysis Batch: 224380

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

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
Toluene-d8 (Surr)	101		70 - 130		05/05/20 10:36	1

Lab Sample ID: LCS 660-224380/6
Matrix: Water
Analysis Batch: 224380

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	85.2		ug/L		85	45 - 150
Acrylonitrile	100	92.8		ug/L		93	64 - 124
Benzene	10.0	8.07		ug/L		81	66 - 131
Bromoform	10.0	7.20		ug/L		72	59 - 119
Bromomethane	10.0	5.78	I	ug/L		58	10 - 137
2-Butanone (MEK)	100	92.7		ug/L		93	46 - 146
Carbon disulfide	10.0	7.33		ug/L		73	52 - 129
Carbon tetrachloride	10.0	7.57		ug/L		76	62 - 124
Chlorobenzene	10.0	8.53		ug/L		85	67 - 130
Chlorobromomethane	10.0	8.67		ug/L		87	67 - 130
Chlorodibromomethane	10.0	7.80		ug/L		78	58 - 124
Chloroethane	10.0	9.17	I	ug/L		92	49 - 150
Chloroform	10.0	8.24		ug/L		82	77 - 119
Chloromethane	10.0	8.17		ug/L		82	52 - 137
cis-1,2-Dichloroethene	10.0	8.92		ug/L		89	69 - 133
cis-1,3-Dichloropropene	10.0	8.81		ug/L		88	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	8.13	I	ug/L		81	54 - 133
Dibromomethane	10.0	9.35		ug/L		93	63 - 123
1,2-Dichlorobenzene	10.0	9.04		ug/L		90	69 - 133
1,4-Dichlorobenzene	10.0	8.86		ug/L		89	69 - 133
Dichlorobromomethane	10.0	8.03		ug/L		80	62 - 122
1,1-Dichloroethane	10.0	8.15		ug/L		82	68 - 130
1,2-Dichloroethane	10.0	8.40		ug/L		84	64 - 124
1,1-Dichloroethene	10.0	7.85		ug/L		79	62 - 133
1,2-Dichloropropane	10.0	8.72		ug/L		87	79 - 130
Ethylbenzene	10.0	8.56		ug/L		86	77 - 117
Ethylene Dibromide	10.0	9.06		ug/L		91	63 - 124
2-Hexanone	100	96.7		ug/L		97	47 - 147
Iodomethane	10.0	4.65	I	ug/L		47	10 - 150
Methylene Chloride	10.0	8.49	I	ug/L		85	64 - 124
4-Methyl-2-pentanone (MIBK)	100	91.8		ug/L		92	46 - 146
Styrene	10.0	8.45		ug/L		85	65 - 130
1,1,1,2-Tetrachloroethane	10.0	8.25		ug/L		83	65 - 130
1,1,2,2-Tetrachloroethane	10.0	9.14		ug/L		91	67 - 130
Tetrachloroethene	10.0	8.67		ug/L		87	59 - 130
Toluene	10.0	8.37		ug/L		84	71 - 119
trans-1,4-Dichloro-2-butene	10.0	8.17	I	ug/L		82	48 - 138
trans-1,2-Dichloroethene	10.0	8.58		ug/L		86	67 - 130
trans-1,3-Dichloropropene	10.0	7.98		ug/L		80	57 - 121
1,1,1-Trichloroethane	10.0	7.75		ug/L		78	64 - 124
1,1,2-Trichloroethane	10.0	9.22		ug/L		92	68 - 130

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

Lab Sample ID: LCS 660-224380/6
Matrix: Water
Analysis Batch: 224380

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Trichloroethene	10.0	8.01		ug/L		80	65 - 130
Trichlorofluoromethane	10.0	7.28		ug/L		73	56 - 135
1,2,3-Trichloropropane	10.0	9.37		ug/L		94	68 - 130
Vinyl acetate	20.0	20.9		ug/L		105	62 - 122
Vinyl chloride	10.0	8.12		ug/L		81	59 - 130

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

Lab Sample ID: 660-101783-C-3 MS
Matrix: Water
Analysis Batch: 224380

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	30	U	1000	853		ug/L		85	45 - 150
Acrylonitrile	29	U	1000	1070		ug/L		107	64 - 124
Benzene	2.5	U	100	101		ug/L		101	66 - 131
Bromoform	11	U	100	76.9		ug/L		77	59 - 119
Bromomethane	25	U	100	70.1	I	ug/L		70	37 - 137
2-Butanone (MEK)	32	U	1000	979		ug/L		98	46 - 146
Carbon disulfide	3.5	U	100	91.0		ug/L		91	52 - 129
Carbon tetrachloride	2.3	U	100	96.6		ug/L		97	62 - 124
Chlorobenzene	2.7	U	100	95.1		ug/L		95	67 - 130
Chlorobromomethane	3.6	U	100	99.9		ug/L		100	67 - 130
Chlorodibromomethane	3.1	U	100	86.8		ug/L		87	58 - 124
Chloroethane	360		100	463		ug/L		103	49 - 150
Chloroform	2.9	U	100	98.6		ug/L		99	77 - 119
Chloromethane	7.6	U	100	122		ug/L		122	52 - 137
cis-1,2-Dichloroethene	3.2	U	100	109		ug/L		109	69 - 133
cis-1,3-Dichloropropene	3.9	U	100	98.6		ug/L		99	68 - 130
1,2-Dibromo-3-Chloropropane	25	U	100	85.1	I	ug/L		85	54 - 133
Dibromomethane	4.6	U	100	106		ug/L		106	63 - 123
1,2-Dichlorobenzene	2.4	U	100	99.9		ug/L		100	69 - 133
1,4-Dichlorobenzene	2.2	U	100	96.4		ug/L		96	69 - 133
Dichlorobromomethane	2.3	U	100	94.8		ug/L		95	62 - 122
1,1-Dichloroethane	14		100	118		ug/L		104	68 - 130
1,2-Dichloroethane	3.1	U	100	95.7		ug/L		96	64 - 124
1,1-Dichloroethene	2.6	U	100	103		ug/L		103	62 - 133
1,2-Dichloropropane	5.2	U	100	105		ug/L		105	79 - 130
Ethylbenzene	2.7	U	100	97.6		ug/L		98	77 - 117
Ethylene Dibromide	2.7	U	100	101		ug/L		101	63 - 124
2-Hexanone	44	U	1000	981		ug/L		98	47 - 147
Iodomethane	41	U	100	59.5	I	ug/L		59	10 - 150
Methylene Chloride	14	U	100	102		ug/L		102	64 - 124
4-Methyl-2-pentanone (MIBK)	40	U	1000	966		ug/L		97	46 - 146
Styrene	4.9	U	100	96.5		ug/L		96	65 - 130

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

Lab Sample ID: 660-101783-C-3 MS
Matrix: Water
Analysis Batch: 224380

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
1,1,1,2-Tetrachloroethane	3.6	U	100	91.8		ug/L		92	65 - 130
1,1,2,2-Tetrachloroethane	4.4	U	100	92.4		ug/L		92	67 - 130
Tetrachloroethene	5.0	U	100	109		ug/L		109	59 - 130
Toluene	2.4	U	100	101		ug/L		101	71 - 119
trans-1,4-Dichloro-2-butene	15	U	100	81.6	I	ug/L		82	48 - 138
trans-1,2-Dichloroethene	3.9	U	100	109		ug/L		109	67 - 130
trans-1,3-Dichloropropene	2.7	U	100	88.2		ug/L		88	57 - 121
1,1,1-Trichloroethane	3.0	U	100	104		ug/L		104	64 - 124
1,1,2-Trichloroethane	2.9	U	100	99.9		ug/L		100	68 - 130
Trichloroethene	6.1	U	100	102		ug/L		102	65 - 130
Trichlorofluoromethane	4.9	U	100	107		ug/L		107	56 - 135
1,2,3-Trichloropropane	4.4	U	100	97.7		ug/L		98	68 - 130
Vinyl acetate	26	U J3	200	228		ug/L		114	62 - 122
Vinyl chloride	2.6	U	100	123		ug/L		123	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*99*		*70 - 130*
Dibromofluoromethane	*98*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: 660-101783-C-3 MSD
Matrix: Water
Analysis Batch: 224380

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	30	U	1000	944		ug/L		94	45 - 150	10	30
Acrylonitrile	29	U	1000	1120		ug/L		112	64 - 124	5	30
Benzene	2.5	U	100	97.8		ug/L		98	66 - 131	3	30
Bromoform	11	U	100	76.3		ug/L		76	59 - 119	1	30
Bromomethane	25	U	100	67.9	I	ug/L		68	37 - 137	3	30
2-Butanone (MEK)	32	U	1000	1100		ug/L		110	46 - 146	12	30
Carbon disulfide	3.5	U	100	86.5		ug/L		87	52 - 129	5	30
Carbon tetrachloride	2.3	U	100	89.3		ug/L		89	62 - 124	8	30
Chlorobenzene	2.7	U	100	92.7		ug/L		93	67 - 130	3	30
Chlorobromomethane	3.6	U	100	99.8		ug/L		100	67 - 130	0	30
Chlorodibromomethane	3.1	U	100	88.1		ug/L		88	58 - 124	2	30
Chloroethane	360		100	432		ug/L		72	49 - 150	7	30
Chloroform	2.9	U	100	97.9		ug/L		98	77 - 119	1	30
Chloromethane	7.6	U	100	115		ug/L		115	52 - 137	6	30
cis-1,2-Dichloroethene	3.2	U	100	107		ug/L		107	69 - 133	2	30
cis-1,3-Dichloropropene	3.9	U	100	96.3		ug/L		96	68 - 130	2	30
1,2-Dibromo-3-Chloropropane	25	U	100	92.1	I	ug/L		92	54 - 133	8	30
Dibromomethane	4.6	U	100	104		ug/L		104	63 - 123	2	30
1,2-Dichlorobenzene	2.4	U	100	99.6		ug/L		100	69 - 133	0	30
1,4-Dichlorobenzene	2.2	U	100	93.6		ug/L		94	69 - 133	3	30
Dichlorobromomethane	2.3	U	100	94.9		ug/L		95	62 - 122	0	30
1,1-Dichloroethane	14		100	112		ug/L		98	68 - 130	5	30
1,2-Dichloroethane	3.1	U	100	99.7		ug/L		100	64 - 124	4	30

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

Lab Sample ID: 660-101783-C-3 MSD
Matrix: Water
Analysis Batch: 224380

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
1,1-Dichloroethene	2.6	U	100	99.2		ug/L		99	62 - 133	4	30
1,2-Dichloropropane	5.2	U	100	101		ug/L		101	79 - 130	4	30
Ethylbenzene	2.7	U	100	93.8		ug/L		94	77 - 117	4	30
Ethylene Dibromide	2.7	U	100	103		ug/L		103	63 - 124	2	30
2-Hexanone	44	U	1000	1080		ug/L		108	47 - 147	9	30
Iodomethane	41	U	100	59.9	I	ug/L		60	10 - 150	1	30
Methylene Chloride	14	U	100	100		ug/L		100	64 - 124	2	30
4-Methyl-2-pentanone (MIBK)	40	U	1000	1060		ug/L		106	46 - 146	10	30
Styrene	4.9	U	100	92.3		ug/L		92	65 - 130	4	30
1,1,1,2-Tetrachloroethane	3.6	U	100	88.3		ug/L		88	65 - 130	4	30
1,1,2,2-Tetrachloroethane	4.4	U	100	102		ug/L		102	67 - 130	9	30
Tetrachloroethene	5.0	U	100	104		ug/L		104	59 - 130	5	30
Toluene	2.4	U	100	94.6		ug/L		95	71 - 119	7	30
trans-1,4-Dichloro-2-butene	15	U	100	95.9	I	ug/L		96	48 - 138	16	30
trans-1,2-Dichloroethene	3.9	U	100	104		ug/L		104	67 - 130	5	30
trans-1,3-Dichloropropene	2.7	U	100	89.3		ug/L		89	57 - 121	1	30
1,1,1-Trichloroethane	3.0	U	100	96.4		ug/L		96	64 - 124	8	30
1,1,2-Trichloroethane	2.9	U	100	100		ug/L		100	68 - 130	1	30
Trichloroethene	6.1	U	100	98.1		ug/L		98	65 - 130	3	30
Trichlorofluoromethane	4.9	U	100	102		ug/L		102	56 - 135	4	30
1,2,3-Trichloropropane	4.4	U	100	101		ug/L		101	68 - 130	3	30
Vinyl acetate	26	U J3	200	246	J3	ug/L		123	62 - 122	7	30
Vinyl chloride	2.6	U	100	115		ug/L		115	59 - 130	6	30

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
4-Bromofluorobenzene	*100*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: MB 660-224426/6
Matrix: Water
Analysis Batch: 224426

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			05/06/20 09:42	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/06/20 09:42	1
Benzene	0.25	U	1.0	0.25	ug/L			05/06/20 09:42	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/06/20 09:42	1
Bromomethane	2.5	U	10	2.5	ug/L			05/06/20 09:42	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/06/20 09:42	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/06/20 09:42	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/06/20 09:42	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/06/20 09:42	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/06/20 09:42	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/06/20 09:42	1
Chloroethane	2.5	U	10	2.5	ug/L			05/06/20 09:42	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/06/20 09:42	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/06/20 09:42	1

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

Lab Sample ID: MB 660-224426/6
Matrix: Water
Analysis Batch: 224426

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/06/20 09:42	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/06/20 09:42	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/06/20 09:42	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/06/20 09:42	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/06/20 09:42	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/06/20 09:42	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/06/20 09:42	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/06/20 09:42	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/06/20 09:42	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/06/20 09:42	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/06/20 09:42	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/06/20 09:42	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/06/20 09:42	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/06/20 09:42	1
Iodomethane	4.1	U	15	4.1	ug/L			05/06/20 09:42	1
Methylene Chloride	1.4	U	10	1.4	ug/L			05/06/20 09:42	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/06/20 09:42	1
Styrene	0.49	U	2.0	0.49	ug/L			05/06/20 09:42	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/06/20 09:42	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/06/20 09:42	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/06/20 09:42	1
Toluene	0.24	U	1.0	0.24	ug/L			05/06/20 09:42	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/06/20 09:42	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/06/20 09:42	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/06/20 09:42	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/06/20 09:42	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/06/20 09:42	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/06/20 09:42	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/06/20 09:42	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/06/20 09:42	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/06/20 09:42	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/06/20 09:42	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/06/20 09:42	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*94*		*70 - 130*		*05/06/20 09:42*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*05/06/20 09:42*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*05/06/20 09:42*	*1*

Lab Sample ID: LCS 660-224426/4
Matrix: Water
Analysis Batch: 224426

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	88.0		ug/L		88	45 - 150
Acrylonitrile	100	93.6		ug/L		94	64 - 124
Benzene	10.0	8.09		ug/L		81	66 - 131
Bromoform	10.0	7.82		ug/L		78	59 - 119

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

Lab Sample ID: LCS 660-224426/4
Matrix: Water
Analysis Batch: 224426

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Bromomethane	10.0	6.59	I	ug/L		66	10 - 137
2-Butanone (MEK)	100	94.4		ug/L		94	46 - 146
Carbon disulfide	10.0	8.35		ug/L		83	52 - 129
Carbon tetrachloride	10.0	7.40		ug/L		74	62 - 124
Chlorobenzene	10.0	9.57		ug/L		96	67 - 130
Chlorobromomethane	10.0	9.17		ug/L		92	67 - 130
Chlorodibromomethane	10.0	8.21		ug/L		82	58 - 124
Chloroethane	10.0	9.05	I	ug/L		91	49 - 150
Chloroform	10.0	8.37		ug/L		84	77 - 119
Chloromethane	10.0	8.32		ug/L		83	52 - 137
cis-1,2-Dichloroethene	10.0	8.01		ug/L		80	69 - 133
cis-1,3-Dichloropropene	10.0	8.36		ug/L		84	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	7.75	I	ug/L		78	54 - 133
Dibromomethane	10.0	8.94		ug/L		89	63 - 123
1,2-Dichlorobenzene	10.0	9.19		ug/L		92	69 - 133
1,4-Dichlorobenzene	10.0	9.64		ug/L		96	69 - 133
Dichlorobromomethane	10.0	8.40		ug/L		84	62 - 122
1,1-Dichloroethane	10.0	7.93		ug/L		79	68 - 130
1,2-Dichloroethane	10.0	8.11		ug/L		81	64 - 124
1,1-Dichloroethene	10.0	7.52		ug/L		75	62 - 133
1,2-Dichloropropane	10.0	8.82		ug/L		88	79 - 130
Ethylbenzene	10.0	9.16		ug/L		92	77 - 117
Ethylene Dibromide	10.0	8.98		ug/L		90	63 - 124
2-Hexanone	100	86.9		ug/L		87	47 - 147
Iodomethane	10.0	5.40	I	ug/L		54	10 - 150
Methylene Chloride	10.0	8.97	I	ug/L		90	64 - 124
4-Methyl-2-pentanone (MIBK)	100	87.9		ug/L		88	46 - 146
Styrene	10.0	9.50		ug/L		95	65 - 130
1,1,1,2-Tetrachloroethane	10.0	8.99		ug/L		90	65 - 130
1,1,2,2-Tetrachloroethane	10.0	9.13		ug/L		91	67 - 130
Tetrachloroethene	10.0	8.59		ug/L		86	59 - 130
Toluene	10.0	8.72		ug/L		87	71 - 119
trans-1,4-Dichloro-2-butene	10.0	7.44	I	ug/L		74	48 - 138
trans-1,2-Dichloroethene	10.0	8.23		ug/L		82	67 - 130
trans-1,3-Dichloropropene	10.0	7.70		ug/L		77	57 - 121
1,1,1-Trichloroethane	10.0	7.56		ug/L		76	64 - 124
1,1,2-Trichloroethane	10.0	9.01		ug/L		90	68 - 130
Trichloroethene	10.0	8.40		ug/L		84	65 - 130
Trichlorofluoromethane	10.0	7.81		ug/L		78	56 - 135
1,2,3-Trichloropropane	10.0	8.85		ug/L		88	68 - 130
Vinyl acetate	20.0	18.6		ug/L		93	62 - 122
Vinyl chloride	10.0	8.80		ug/L		88	59 - 130

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

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

Lab Sample ID: 660-101893-E-2 MS
Matrix: Water
Analysis Batch: 224426

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	87.7		ug/L		88	45 - 150
Acrylonitrile	2.9	U	100	99.5		ug/L		100	64 - 124
Benzene	0.25	U	10.0	9.06		ug/L		91	66 - 131
Bromoform	1.1	U	10.0	8.40		ug/L		84	59 - 119
Bromomethane	2.5	U	10.0	7.31	I	ug/L		73	37 - 137
2-Butanone (MEK)	3.2	U	100	96.2		ug/L		96	46 - 146
Carbon disulfide	0.35	U	10.0	9.85		ug/L		99	52 - 129
Carbon tetrachloride	0.23	U	10.0	8.84		ug/L		88	62 - 124
Chlorobenzene	0.27	U	10.0	10.1		ug/L		101	67 - 130
Chlorobromomethane	0.36	U	10.0	9.94		ug/L		99	67 - 130
Chlorodibromomethane	0.31	U	10.0	9.13		ug/L		91	58 - 124
Chloroethane	2.5	U	10.0	9.84	I	ug/L		98	49 - 150
Chloroform	0.29	U	10.0	9.16		ug/L		92	77 - 119
Chloromethane	0.76	U	10.0	7.87		ug/L		79	52 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	9.14		ug/L		91	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	8.87		ug/L		89	68 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	8.23	I	ug/L		82	54 - 133
Dibromomethane	0.46	U	10.0	9.62		ug/L		96	63 - 123
1,2-Dichlorobenzene	0.24	U	10.0	9.73		ug/L		97	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	9.94		ug/L		99	69 - 133
Dichlorobromomethane	0.23	U	10.0	9.21		ug/L		92	62 - 122
1,1-Dichloroethane	0.32	U	10.0	8.84		ug/L		88	68 - 130
1,2-Dichloroethane	0.31	U	10.0	8.92		ug/L		89	64 - 124
1,1-Dichloroethene	0.26	U	10.0	9.04		ug/L		90	62 - 133
1,2-Dichloropropane	0.52	U	10.0	9.68		ug/L		97	79 - 130
Ethylbenzene	0.27	U	10.0	10.3		ug/L		103	77 - 117
Ethylene Dibromide	0.27	U	10.0	9.66		ug/L		97	63 - 124
2-Hexanone	4.4	U	100	91.0		ug/L		91	47 - 147
Iodomethane	4.1	U	10.0	8.32	I	ug/L		83	10 - 150
Methylene Chloride	1.4	U	10.0	9.10	I	ug/L		91	64 - 124
4-Methyl-2-pentanone (MIBK)	4.0	U	100	92.9		ug/L		93	46 - 146
Styrene	0.49	U	10.0	9.97		ug/L		100	65 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	9.86		ug/L		99	65 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	9.88		ug/L		99	67 - 130
Tetrachloroethene	0.50	U	10.0	9.50		ug/L		95	59 - 130
Toluene	0.24	U	10.0	9.56		ug/L		96	71 - 119
trans-1,4-Dichloro-2-butene	1.5	U	10.0	8.50	I	ug/L		85	48 - 138
trans-1,2-Dichloroethene	0.39	U	10.0	9.45		ug/L		95	67 - 130
trans-1,3-Dichloropropene	0.27	U	10.0	8.26		ug/L		83	57 - 121
1,1,1-Trichloroethane	0.30	U	10.0	8.93		ug/L		89	64 - 124
1,1,2-Trichloroethane	0.29	U	10.0	9.87		ug/L		99	68 - 130
Trichloroethene	0.61	U	10.0	9.40		ug/L		94	65 - 130
Trichlorofluoromethane	0.49	U	10.0	9.79		ug/L		98	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	9.49		ug/L		95	68 - 130
Vinyl acetate	2.6	U	20.0	19.4		ug/L		97	62 - 122
Vinyl chloride	0.26	U	10.0	9.39		ug/L		94	59 - 130

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

Lab Sample ID: 660-101893-E-2 MS
Matrix: Water
Analysis Batch: 224426

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

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene	*96*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-101893-E-1 DU
Matrix: Water
Analysis Batch: 224426

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)	19		4.30	I J3	ug/L		127	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

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

Lab Sample ID: 660-101893-E-1 DU
Matrix: Water
Analysis Batch: 224426

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-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	2.6	U		2.6	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	*93*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*102*		*70 - 130*

Lab Sample ID: MB 660-224720/6
Matrix: Water
Analysis Batch: 224720

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			05/15/20 09:43	1
Acrylonitrile	2.9	U	10	2.9	ug/L			05/15/20 09:43	1
Benzene	0.25	U	1.0	0.25	ug/L			05/15/20 09:43	1
Bromoform	1.1	U	5.0	1.1	ug/L			05/15/20 09:43	1
Bromomethane	2.5	U	10	2.5	ug/L			05/15/20 09:43	1
2-Butanone (MEK)	3.2	U	10	3.2	ug/L			05/15/20 09:43	1
Carbon disulfide	0.35	U	2.0	0.35	ug/L			05/15/20 09:43	1
Carbon tetrachloride	0.23	U	1.0	0.23	ug/L			05/15/20 09:43	1
Chlorobenzene	0.27	U	1.0	0.27	ug/L			05/15/20 09:43	1
Chlorobromomethane	0.36	U	2.0	0.36	ug/L			05/15/20 09:43	1
Chlorodibromomethane	0.31	U	3.0	0.31	ug/L			05/15/20 09:43	1
Chloroethane	2.5	U	10	2.5	ug/L			05/15/20 09:43	1
Chloroform	0.29	U	1.0	0.29	ug/L			05/15/20 09:43	1
Chloromethane	0.76	U	2.0	0.76	ug/L			05/15/20 09:43	1
cis-1,2-Dichloroethene	0.32	U	1.0	0.32	ug/L			05/15/20 09:43	1
cis-1,3-Dichloropropene	0.39	U	2.0	0.39	ug/L			05/15/20 09:43	1
1,2-Dibromo-3-Chloropropane	2.5	U	10	2.5	ug/L			05/15/20 09:43	1
Dibromomethane	0.46	U	2.0	0.46	ug/L			05/15/20 09:43	1
1,2-Dichlorobenzene	0.24	U	1.0	0.24	ug/L			05/15/20 09:43	1
1,4-Dichlorobenzene	0.22	U	1.0	0.22	ug/L			05/15/20 09:43	1
Dichlorobromomethane	0.23	U	1.0	0.23	ug/L			05/15/20 09:43	1
1,1-Dichloroethane	0.32	U	1.0	0.32	ug/L			05/15/20 09:43	1
1,2-Dichloroethane	0.31	U	1.0	0.31	ug/L			05/15/20 09:43	1
1,1-Dichloroethene	0.26	U	1.0	0.26	ug/L			05/15/20 09:43	1
1,2-Dichloropropane	0.52	U	2.0	0.52	ug/L			05/15/20 09:43	1
Ethylbenzene	0.27	U	1.0	0.27	ug/L			05/15/20 09:43	1
Ethylene Dibromide	0.27	U	1.0	0.27	ug/L			05/15/20 09:43	1
2-Hexanone	4.4	U	15	4.4	ug/L			05/15/20 09:43	1
Iodomethane	4.1	U	15	4.1	ug/L			05/15/20 09:43	1

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

Lab Sample ID: MB 660-224720/6
Matrix: Water
Analysis Batch: 224720

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

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Methylene Chloride	1.4	U	10	1.4	ug/L			05/15/20 09:43	1
4-Methyl-2-pentanone (MIBK)	4.0	U	15	4.0	ug/L			05/15/20 09:43	1
Styrene	0.49	U	2.0	0.49	ug/L			05/15/20 09:43	1
1,1,1,2-Tetrachloroethane	0.36	U	2.0	0.36	ug/L			05/15/20 09:43	1
1,1,2,2-Tetrachloroethane	0.44	U	1.0	0.44	ug/L			05/15/20 09:43	1
Tetrachloroethene	0.50	U	2.0	0.50	ug/L			05/15/20 09:43	1
Toluene	0.24	U	1.0	0.24	ug/L			05/15/20 09:43	1
trans-1,4-Dichloro-2-butene	1.5	U	10	1.5	ug/L			05/15/20 09:43	1
trans-1,2-Dichloroethene	0.39	U	2.0	0.39	ug/L			05/15/20 09:43	1
trans-1,3-Dichloropropene	0.27	U	1.0	0.27	ug/L			05/15/20 09:43	1
1,1,1-Trichloroethane	0.30	U	1.0	0.30	ug/L			05/15/20 09:43	1
1,1,2-Trichloroethane	0.29	U	1.0	0.29	ug/L			05/15/20 09:43	1
Trichloroethene	0.61	U	2.0	0.61	ug/L			05/15/20 09:43	1
Trichlorofluoromethane	0.49	U	5.0	0.49	ug/L			05/15/20 09:43	1
1,2,3-Trichloropropane	0.44	U	3.0	0.44	ug/L			05/15/20 09:43	1
Vinyl acetate	2.6	U	10	2.6	ug/L			05/15/20 09:43	1
Vinyl chloride	0.26	U	1.0	0.26	ug/L			05/15/20 09:43	1
Xylenes, Total	0.50	U	4.0	0.50	ug/L			05/15/20 09:43	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*05/15/20 09:43*	*1*
Dibromofluoromethane	*98*		*70 - 130*		*05/15/20 09:43*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*05/15/20 09:43*	*1*

Lab Sample ID: LCS 660-224720/4
Matrix: Water
Analysis Batch: 224720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acetone	100	108		ug/L		108	45 - 150
Acrylonitrile	100	103		ug/L		103	64 - 124
Benzene	10.0	9.58		ug/L		96	66 - 131
Bromoform	10.0	7.34		ug/L		73	59 - 119
Bromomethane	10.0	7.70	I	ug/L		77	10 - 137
2-Butanone (MEK)	100	106		ug/L		106	46 - 146
Carbon disulfide	10.0	9.08		ug/L		91	52 - 129
Carbon tetrachloride	10.0	9.34		ug/L		93	62 - 124
Chlorobenzene	10.0	9.90		ug/L		99	67 - 130
Chlorobromomethane	10.0	9.78		ug/L		98	67 - 130
Chlorodibromomethane	10.0	8.07		ug/L		81	58 - 124
Chloroethane	10.0	9.05	I	ug/L		90	49 - 150
Chloroform	10.0	9.30		ug/L		93	77 - 119
Chloromethane	10.0	7.38		ug/L		74	52 - 137
cis-1,2-Dichloroethene	10.0	9.26		ug/L		93	69 - 133
cis-1,3-Dichloropropene	10.0	8.84		ug/L		88	68 - 130
1,2-Dibromo-3-Chloropropane	10.0	8.35	I	ug/L		83	54 - 133
Dibromomethane	10.0	9.59		ug/L		96	63 - 123
1,2-Dichlorobenzene	10.0	9.58		ug/L		96	69 - 133

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

Lab Sample ID: LCS 660-224720/4
Matrix: Water
Analysis Batch: 224720

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	10.0	9.66		ug/L		97	69 - 133
Dichlorobromomethane	10.0	8.54		ug/L		85	62 - 122
1,1-Dichloroethane	10.0	9.56		ug/L		96	68 - 130
1,2-Dichloroethane	10.0	9.25		ug/L		92	64 - 124
1,1-Dichloroethene	10.0	10.2		ug/L		102	62 - 133
1,2-Dichloropropane	10.0	9.73		ug/L		97	79 - 130
Ethylbenzene	10.0	9.98		ug/L		100	77 - 117
Ethylene Dibromide	10.0	8.99		ug/L		90	63 - 124
2-Hexanone	100	89.1		ug/L		89	47 - 147
Iodomethane	10.0	7.16	I	ug/L		72	10 - 150
Methylene Chloride	10.0	9.35	I	ug/L		93	64 - 124
4-Methyl-2-pentanone (MIBK)	100	91.1		ug/L		91	46 - 146
Styrene	10.0	9.63		ug/L		96	65 - 130
1,1,1,2-Tetrachloroethane	10.0	9.11		ug/L		91	65 - 130
1,1,2,2-Tetrachloroethane	10.0	9.02		ug/L		90	67 - 130
Tetrachloroethene	10.0	9.17		ug/L		92	59 - 130
Toluene	10.0	9.51		ug/L		95	71 - 119
trans-1,4-Dichloro-2-butene	10.0	7.78	I	ug/L		78	48 - 138
trans-1,2-Dichloroethene	10.0	10.3		ug/L		103	67 - 130
trans-1,3-Dichloropropene	10.0	8.46		ug/L		85	57 - 121
1,1,1-Trichloroethane	10.0	9.36		ug/L		94	64 - 124
1,1,2-Trichloroethane	10.0	9.47		ug/L		95	68 - 130
Trichloroethene	10.0	9.31		ug/L		93	65 - 130
Trichlorofluoromethane	10.0	9.20		ug/L		92	56 - 135
1,2,3-Trichloropropane	10.0	8.68		ug/L		87	68 - 130
Vinyl acetate	20.0	17.8		ug/L		89	62 - 122
Vinyl chloride	10.0	10.7		ug/L		107	59 - 130

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

Lab Sample ID: 660-102118-C-5 MS
Matrix: Water
Analysis Batch: 224720

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	510	J3	100	661	J3	ug/L		154	45 - 150
Acrylonitrile	2.9	U	100	119		ug/L		119	64 - 124
Benzene	0.25	U	10.0	10.9		ug/L		109	66 - 131
Bromoform	1.1	U	10.0	8.12		ug/L		81	59 - 119
Bromomethane	2.5	U	10.0	12.7		ug/L		127	37 - 137
2-Butanone (MEK)	3.2	U	100	119		ug/L		119	46 - 146
Carbon disulfide	0.35	U	10.0	9.80		ug/L		98	52 - 129
Carbon tetrachloride	0.23	U	10.0	10.6		ug/L		106	62 - 124
Chlorobenzene	0.27	U	10.0	11.1		ug/L		111	67 - 130
Chlorobromomethane	0.36	U	10.0	11.5		ug/L		115	67 - 130

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

Lab Sample ID: 660-102118-C-5 MS
Matrix: Water
Analysis Batch: 224720

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
Chlorodibromomethane	0.77	I	10.0	10.2		ug/L		94	58 - 124
Chloroethane	2.5	U	10.0	14.2		ug/L		142	49 - 150
Chloroform	8.5		10.0	18.2		ug/L		97	77 - 119
Chloromethane	0.76	U	10.0	11.2		ug/L		112	52 - 137
cis-1,2-Dichloroethene	0.32	U	10.0	10.6		ug/L		106	69 - 133
cis-1,3-Dichloropropene	0.39	U	10.0	9.91		ug/L		99	68 - 130
1,2-Dibromo-3-Chloropropane	2.5	U	10.0	9.02	I	ug/L		90	54 - 133
Dibromomethane	0.46	U	10.0	10.4		ug/L		104	63 - 123
1,2-Dichlorobenzene	0.24	U	10.0	10.5		ug/L		105	69 - 133
1,4-Dichlorobenzene	0.22	U	10.0	10.6		ug/L		106	69 - 133
Dichlorobromomethane	1.3		10.0	11.1		ug/L		98	62 - 122
1,1-Dichloroethane	0.32	U	10.0	10.5		ug/L		105	68 - 130
1,2-Dichloroethane	0.31	U	10.0	10.1		ug/L		101	64 - 124
1,1-Dichloroethene	0.26	U	10.0	11.5		ug/L		115	62 - 133
1,2-Dichloropropane	0.52	U	10.0	10.4		ug/L		104	79 - 130
Ethylbenzene	0.27	U	10.0	10.6		ug/L		106	77 - 117
Ethylene Dibromide	0.27	U	10.0	10.3		ug/L		103	63 - 124
2-Hexanone	4.4	U	100	110		ug/L		110	47 - 147
Iodomethane	4.1	U	10.0	7.60	I	ug/L		76	10 - 150
Methylene Chloride	1.4	U	10.0	11.0		ug/L		110	64 - 124
4-Methyl-2-pentanone (MIBK)	4.0	U	100	112		ug/L		112	46 - 146
Styrene	0.49	U	10.0	10.5		ug/L		105	65 - 130
1,1,1,2-Tetrachloroethane	0.36	U	10.0	10.2		ug/L		102	65 - 130
1,1,2,2-Tetrachloroethane	0.44	U	10.0	10.3		ug/L		103	67 - 130
Tetrachloroethene	0.50	U	10.0	10.3		ug/L		103	59 - 130
Toluene	0.24	U	10.0	10.7		ug/L		107	71 - 119
trans-1,4-Dichloro-2-butene	1.5	U	10.0	9.16	I	ug/L		92	48 - 138
trans-1,2-Dichloroethene	0.39	U	10.0	11.4		ug/L		114	67 - 130
trans-1,3-Dichloropropene	0.27	U	10.0	9.14		ug/L		91	57 - 121
1,1,1-Trichloroethane	0.30	U	10.0	10.6		ug/L		106	64 - 124
1,1,2-Trichloroethane	0.29	U	10.0	9.95		ug/L		100	68 - 130
Trichloroethene	0.61	U	10.0	10.9		ug/L		109	65 - 130
Trichlorofluoromethane	0.49	U	10.0	11.1		ug/L		111	56 - 135
1,2,3-Trichloropropane	0.44	U	10.0	10.1		ug/L		101	68 - 130
Vinyl acetate	2.6	U	20.0	19.1		ug/L		96	62 - 122
Vinyl chloride	0.26	U	10.0	12.3		ug/L		123	59 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*97*		*70 - 130*
Toluene-d8 (Surr)	*101*		*70 - 130*

Lab Sample ID: 660-101989-1 DU
Matrix: Water
Analysis Batch: 224720

Client Sample ID: 2MW27D
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

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

Lab Sample ID: 660-101989-1 DU
Matrix: Water
Analysis Batch: 224720

Client Sample ID: 2MW27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
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	2.6	U		2.6	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: 660-101989-1 DU
Matrix: Water
Analysis Batch: 224720

Client Sample ID: 2MW27D
Prep Type: Total/NA

Surrogate	*DU %Recovery*	*DU Qualifier*	*Limits*
4-Bromofluorobenzene	*94*		*70 - 130*
Dibromofluoromethane	*99*		*70 - 130*
Toluene-d8 (Surr)	*104*		*70 - 130*

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

Lab Sample ID: MB 680-614787/2
Matrix: Water
Analysis Batch: 614787

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			04/10/20 13:54	1

Lab Sample ID: LCS 680-614787/3
Matrix: Water
Analysis Batch: 614787

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	10.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 680-614787/4
Matrix: Water
Analysis Batch: 614787

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	10.2		mg/L		102	90 - 110	0	15

Lab Sample ID: 660-101448-E-1 MS
Matrix: Water
Analysis Batch: 614787

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	50		10.0	60.3		mg/L		99	80 - 120

Lab Sample ID: 660-101448-E-1 MSD
Matrix: Water
Analysis Batch: 614787

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	50		10.0	59.9		mg/L		95	80 - 120	1	15

Lab Sample ID: MB 680-614828/2
Matrix: Water
Analysis Batch: 614828

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			04/11/20 14:00	1

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

Lab Sample ID: LCS 680-614828/3
Matrix: Water
Analysis Batch: 614828

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 680-614828/4
Matrix: Water
Analysis Batch: 614828

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: 660-101470-2 MS
Matrix: Water
Analysis Batch: 614828

Client Sample ID: 2MW 24D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	42		10.0	51.7		mg/L		100	80 - 120

Lab Sample ID: 660-101470-2 MSD
Matrix: Water
Analysis Batch: 614828

Client Sample ID: 2MW 24D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	42		10.0	51.7		mg/L		101	80 - 120	0	15

Lab Sample ID: MB 680-615431/49
Matrix: Water
Analysis Batch: 615431

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			04/16/20 23:00	1

Lab Sample ID: LCS 680-615431/64
Matrix: Water
Analysis Batch: 615431

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	10.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 680-615431/65
Matrix: Water
Analysis Batch: 615431

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	10.2		mg/L		102	90 - 110	0	15

Lab Sample ID: 680-182699-F-3 MS
Matrix: Water
Analysis Batch: 615431

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	3.3		10.0	13.6		mg/L		103	80 - 120

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

Lab Sample ID: 680-182699-F-3 MSD
Matrix: Water
Analysis Batch: 615431

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	3.3		10.0	13.7		mg/L		104	80 - 120	1	15

Lab Sample ID: MB 680-615659/33
Matrix: Water
Analysis Batch: 615659

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			04/18/20 23:11	1

Lab Sample ID: LCS 680-615659/34
Matrix: Water
Analysis Batch: 615659

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	10.2		mg/L		102	90 - 110

Lab Sample ID: LCSD 680-615659/35
Matrix: Water
Analysis Batch: 615659

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	10.2		mg/L		102	90 - 110	0	15

Lab Sample ID: 660-101589-K-2 MS
Matrix: Water
Analysis Batch: 615659

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	22		10.0	31.9		mg/L		103	80 - 120

Lab Sample ID: 660-101589-K-2 MSD
Matrix: Water
Analysis Batch: 615659

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	22		10.0	31.9		mg/L		104	80 - 120	0	15

Lab Sample ID: MB 680-616151/2
Matrix: Water
Analysis Batch: 616151

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			04/22/20 14:52	1

Lab Sample ID: LCS 680-616151/3
Matrix: Water
Analysis Batch: 616151

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	10.4		mg/L		104	90 - 110

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

Lab Sample ID: LCSD 680-616151/4
Matrix: Water
Analysis Batch: 616151

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	10.4		mg/L		104	90 - 110	0	15

Lab Sample ID: 190-22806-A-3 MS
Matrix: Water
Analysis Batch: 616151

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	120		10.0	127		mg/L		98	80 - 120

Lab Sample ID: 190-22806-A-3 MSD
Matrix: Water
Analysis Batch: 616151

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	120		10.0	127		mg/L		95	80 - 120	0	15

Lab Sample ID: MB 680-616987/33
Matrix: Water
Analysis Batch: 616987

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			04/29/20 22:27	1

Lab Sample ID: LCS 680-616987/34
Matrix: Water
Analysis Batch: 616987

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 680-616987/35
Matrix: Water
Analysis Batch: 616987

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: 680-183163-G-3 MS
Matrix: Water
Analysis Batch: 616987

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	4.1		10.0	14.3		mg/L		102	80 - 120

Lab Sample ID: 680-183163-G-3 MSD
Matrix: Water
Analysis Batch: 616987

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	4.1		10.0	14.4		mg/L		103	80 - 120	1	15

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

Lab Sample ID: MB 680-617303/33
Matrix: Water
Analysis Batch: 617303

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			05/02/20 01:26	1

Lab Sample ID: LCS 680-617303/34
Matrix: Water
Analysis Batch: 617303

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 680-617303/35
Matrix: Water
Analysis Batch: 617303

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: 680-183263-E-15 MS
Matrix: Water
Analysis Batch: 617303

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	0.20	U	10.0	10.5		mg/L		105	80 - 120

Lab Sample ID: 680-183263-E-15 MSD
Matrix: Water
Analysis Batch: 617303

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	0.20	U	10.0	10.5		mg/L		105	80 - 120	0	15

Lab Sample ID: MB 680-618000/2
Matrix: Water
Analysis Batch: 618000

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			05/08/20 09:56	1

Lab Sample ID: LCS 680-618000/3
Matrix: Water
Analysis Batch: 618000

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 680-618000/4
Matrix: Water
Analysis Batch: 618000

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

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

Lab Sample ID: 660-101914-1 MS
Matrix: Water
Analysis Batch: 618000

Client Sample ID: 4MW21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	9.9		10.0	19.8		mg/L		99	80 - 120

Lab Sample ID: 660-101914-1 MSD
Matrix: Water
Analysis Batch: 618000

Client Sample ID: 4MW21
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	9.9		10.0	19.9		mg/L		100	80 - 120	1	15

Lab Sample ID: MB 680-618145/2
Matrix: Water
Analysis Batch: 618145

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			05/09/20 16:11	1

Lab Sample ID: LCS 680-618145/3
Matrix: Water
Analysis Batch: 618145

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 680-618145/4
Matrix: Water
Analysis Batch: 618145

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: 660-101989-1 MS
Matrix: Water
Analysis Batch: 618145

Client Sample ID: 2MW27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	87		10.0	96.5		mg/L		94	80 - 120

Lab Sample ID: 660-101989-1 MSD
Matrix: Water
Analysis Batch: 618145

Client Sample ID: 2MW27D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	87		10.0	96.5		mg/L		94	80 - 120	0	15

Method: 6010D - Metals (ICP)

Lab Sample ID: MB 660-223565/1-A
Matrix: Water
Analysis Batch: 223631

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223565

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/10/20 09:57	04/13/20 09:48	1
Iron	0.025	U	0.20	0.025	mg/L		04/10/20 09:57	04/13/20 09:48	1
Arsenic	1.9	U	10	1.9	ug/L		04/10/20 09:57	04/13/20 09:48	1
Sodium	0.12	U	1.0	0.12	mg/L		04/10/20 09:57	04/13/20 09:48	1
Barium	0.40	U	10	0.40	ug/L		04/10/20 09:57	04/13/20 09:48	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/10/20 09:57	04/13/20 09:48	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/10/20 09:57	04/13/20 09:48	1
Chromium	1.1	U	10	1.1	ug/L		04/10/20 09:57	04/13/20 09:48	1
Cobalt	1.0	U	10	1.0	ug/L		04/10/20 09:57	04/13/20 09:48	1
Copper	2.8	U	10	2.8	ug/L		04/10/20 09:57	04/13/20 09:48	1
Lead	2.0	U	10	2.0	ug/L		04/10/20 09:57	04/13/20 09:48	1
Nickel	0.81	U	8.0	0.81	ug/L		04/10/20 09:57	04/13/20 09:48	1
Selenium	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 09:48	1
Silver	1.5	U	10	1.5	ug/L		04/10/20 09:57	04/13/20 09:48	1
Vanadium	4.4	U	20	4.4	ug/L		04/10/20 09:57	04/13/20 09:48	1
Zinc	5.0	U	20	5.0	ug/L		04/10/20 09:57	04/13/20 09:48	1

Lab Sample ID: LCS 660-223565/2-A
Matrix: Water
Analysis Batch: 223631

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223565

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	991		ug/L		99	80 - 120
Iron	1.00	0.980		mg/L		98	80 - 120
Arsenic	1000	947		ug/L		95	80 - 120
Sodium	10.0	9.47		mg/L		95	80 - 120
Barium	1000	932		ug/L		93	80 - 120
Beryllium	1000	957		ug/L		96	80 - 120
Cadmium	1000	986		ug/L		99	80 - 120
Chromium	1000	961		ug/L		96	80 - 120
Cobalt	1000	1010		ug/L		101	80 - 120
Copper	1000	968		ug/L		97	80 - 120
Lead	1000	985		ug/L		99	80 - 120
Nickel	1000	936		ug/L		94	80 - 120
Selenium	1000	962		ug/L		96	80 - 120
Silver	1000	956		ug/L		96	80 - 120
Vanadium	1000	956		ug/L		96	80 - 120
Zinc	1000	960		ug/L		96	80 - 120

Lab Sample ID: 660-101456-C-1-C MS
Matrix: Water
Analysis Batch: 223631

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 223565

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	950		ug/L		95	75 - 125
Iron	0.82		1.00	1.76		mg/L		94	75 - 125
Arsenic	1.9	U	1000	922		ug/L		92	75 - 125
Sodium	78		10.0	90.4		mg/L		121	75 - 125
Barium	16		1000	908		ug/L		89	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101456-C-1-C MS
Matrix: Water
Analysis Batch: 223631

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 223565

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	0.50	U	1000	931		ug/L		93	75 - 125
Cadmium	0.46	I	1000	936		ug/L		94	75 - 125
Chromium	1.4	I	1000	915		ug/L		91	75 - 125
Cobalt	1.2	I	1000	940		ug/L		94	75 - 125
Copper	40		1000	971		ug/L		93	75 - 125
Lead	2.9	I	1000	915		ug/L		91	75 - 125
Nickel	2.6	I	1000	883		ug/L		88	75 - 125
Selenium	5.0	U	1000	937		ug/L		94	75 - 125
Silver	1.5	U	1000	919		ug/L		92	75 - 125
Vanadium	4.4	U	1000	921		ug/L		92	75 - 125
Zinc	370		1000	1320		ug/L		95	75 - 125

Lab Sample ID: 660-101456-C-1-D MSD
Matrix: Water
Analysis Batch: 223631

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 223565

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1040		ug/L		104	75 - 125	9	20
Iron	0.82		1.00	1.85		mg/L		103	75 - 125	5	20
Arsenic	1.9	U	1000	989		ug/L		99	75 - 125	7	20
Sodium	78		10.0	90.3		mg/L		120	75 - 125	0	20
Barium	16		1000	968		ug/L		95	75 - 125	6	20
Beryllium	0.50	U	1000	1000		ug/L		100	75 - 125	8	20
Cadmium	0.46	I	1000	1020		ug/L		102	75 - 125	8	20
Chromium	1.4	I	1000	978		ug/L		98	75 - 125	7	20
Cobalt	1.2	I	1000	1020		ug/L		102	75 - 125	8	20
Copper	40		1000	1040		ug/L		100	75 - 125	7	20
Lead	2.9	I	1000	988		ug/L		98	75 - 125	8	20
Nickel	2.6	I	1000	947		ug/L		94	75 - 125	7	20
Selenium	5.0	U	1000	998		ug/L		100	75 - 125	6	20
Silver	1.5	U	1000	986		ug/L		99	75 - 125	7	20
Vanadium	4.4	U	1000	994		ug/L		99	75 - 125	8	20
Zinc	370		1000	1380		ug/L		101	75 - 125	5	20

Lab Sample ID: MB 660-223700/1-A
Matrix: Water
Analysis Batch: 223720

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223700

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.95	I	20	4.0	ug/L		04/15/20 07:20	04/15/20 19:24	1
Iron	0.025	U	0.20	0.025	mg/L		04/15/20 07:20	04/15/20 19:24	1
Arsenic	1.9	U	10	1.9	ug/L		04/15/20 07:20	04/15/20 19:24	1
Sodium	0.12	U	1.0	0.12	mg/L		04/15/20 07:20	04/15/20 19:24	1
Barium	0.40	U	10	0.40	ug/L		04/15/20 07:20	04/15/20 19:24	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/15/20 07:20	04/15/20 19:24	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/15/20 07:20	04/15/20 19:24	1
Chromium	1.1	U	10	1.1	ug/L		04/15/20 07:20	04/15/20 19:24	1
Cobalt	1.0	U	10	1.0	ug/L		04/15/20 07:20	04/15/20 19:24	1
Copper	2.8	U	10	2.8	ug/L		04/15/20 07:20	04/15/20 19:24	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 660-223700/1-A
Matrix: Water
Analysis Batch: 223720

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223700

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	2.0	U	10	2.0	ug/L		04/15/20 07:20	04/15/20 19:24	1
Nickel	0.81	U	8.0	0.81	ug/L		04/15/20 07:20	04/15/20 19:24	1
Selenium	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 19:24	1
Silver	1.5	U	10	1.5	ug/L		04/15/20 07:20	04/15/20 19:24	1
Vanadium	4.43	I	20	4.4	ug/L		04/15/20 07:20	04/15/20 19:24	1
Zinc	5.0	U	20	5.0	ug/L		04/15/20 07:20	04/15/20 19:24	1

Lab Sample ID: LCS 660-223700/2-A
Matrix: Water
Analysis Batch: 223720

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223700

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1000		ug/L		100	80 - 120
Iron	1.00	0.980		mg/L		98	80 - 120
Arsenic	1000	976		ug/L		98	80 - 120
Sodium	10.0	10.0		mg/L		100	80 - 120
Barium	1000	976		ug/L		98	80 - 120
Beryllium	1000	980		ug/L		98	80 - 120
Cadmium	1000	1000		ug/L		100	80 - 120
Chromium	1000	1000		ug/L		100	80 - 120
Cobalt	1000	1030		ug/L		103	80 - 120
Copper	1000	1000		ug/L		100	80 - 120
Lead	1000	1010		ug/L		101	80 - 120
Nickel	1000	957		ug/L		96	80 - 120
Selenium	1000	990		ug/L		99	80 - 120
Silver	1000	886		ug/L		89	80 - 120
Vanadium	1000	963		ug/L		96	80 - 120
Zinc	1000	999		ug/L		100	80 - 120

Lab Sample ID: 660-101457-A-1-C MS
Matrix: Water
Analysis Batch: 223720

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 223700

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	0.041	I	1.00	0.996		mg/L		96	75 - 125
Arsenic	1.9	U	1000	1060		ug/L		106	75 - 125
Sodium	790	J3	10.0	770	J3	mg/L		-234	75 - 125
Barium	52		1000	1040		ug/L		98	75 - 125
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125
Cadmium	0.50	I	1000	1040		ug/L		104	75 - 125
Chromium	1.5	I	1000	991		ug/L		99	75 - 125
Cobalt	1.0	U	1000	970		ug/L		97	75 - 125
Copper	11		1000	1040		ug/L		103	75 - 125
Lead	2.9	I	1000	948		ug/L		95	75 - 125
Nickel	1.4	I	1000	913		ug/L		91	75 - 125
Selenium	5.4	I	1000	1060		ug/L		106	75 - 125
Silver	1.5	U	1000	954		ug/L		95	75 - 125
Vanadium	4.4	U	1000	993		ug/L		99	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101457-A-1-C MS
Matrix: Water
Analysis Batch: 223720

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 223700

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	18	I	1000	1070		ug/L		105	75 - 125

Lab Sample ID: 660-101457-A-1-D MSD
Matrix: Water
Analysis Batch: 223720

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 223700

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1060		ug/L		106	75 - 125	0	20
Iron	0.041	I	1.00	0.990		mg/L		95	75 - 125	1	20
Arsenic	1.9	U	1000	1050		ug/L		105	75 - 125	1	20
Sodium	790	J3	10.0	731	J3	mg/L		-627	75 - 125	5	20
Barium	52		1000	1020		ug/L		97	75 - 125	2	20
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125	0	20
Cadmium	0.50	I	1000	1030		ug/L		103	75 - 125	1	20
Chromium	1.5	I	1000	983		ug/L		98	75 - 125	1	20
Cobalt	1.0	U	1000	964		ug/L		96	75 - 125	1	20
Copper	11		1000	1030		ug/L		102	75 - 125	1	20
Lead	2.9	I	1000	941		ug/L		94	75 - 125	1	20
Nickel	1.4	I	1000	912		ug/L		91	75 - 125	0	20
Selenium	5.4	I	1000	1060		ug/L		105	75 - 125	1	20
Silver	1.5	U	1000	947		ug/L		95	75 - 125	1	20
Vanadium	4.4	U	1000	976		ug/L		98	75 - 125	2	20
Zinc	18	I	1000	1060		ug/L		104	75 - 125	1	20

Lab Sample ID: MB 660-223897/1-A
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223897

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/20/20 14:00	04/22/20 09:42	1
Iron	0.025	U	0.20	0.025	mg/L		04/20/20 14:00	04/22/20 09:42	1
Arsenic	1.9	U	10	1.9	ug/L		04/20/20 14:00	04/22/20 09:42	1
Sodium	0.12	U	1.0	0.12	mg/L		04/20/20 14:00	04/22/20 09:42	1
Barium	0.40	U	10	0.40	ug/L		04/20/20 14:00	04/22/20 09:42	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/20/20 14:00	04/22/20 09:42	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/20/20 14:00	04/22/20 09:42	1
Chromium	1.1	U	10	1.1	ug/L		04/20/20 14:00	04/22/20 09:42	1
Cobalt	1.0	U	10	1.0	ug/L		04/20/20 14:00	04/22/20 09:42	1
Copper	2.8	U	10	2.8	ug/L		04/20/20 14:00	04/22/20 09:42	1
Lead	2.0	U	10	2.0	ug/L		04/20/20 14:00	04/22/20 09:42	1
Nickel	0.81	U	8.0	0.81	ug/L		04/20/20 14:00	04/22/20 09:42	1
Selenium	5.0	U	20	5.0	ug/L		04/20/20 14:00	04/22/20 09:42	1
Silver	1.5	U	10	1.5	ug/L		04/20/20 14:00	04/22/20 09:42	1
Vanadium	4.4	U	20	4.4	ug/L		04/20/20 14:00	04/22/20 09:42	1
Zinc	5.0	U	20	5.0	ug/L		04/20/20 14:00	04/22/20 09:42	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 660-223897/2-A
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223897

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1030		ug/L		103	80 - 120
Iron	1.00	1.00		mg/L		100	80 - 120
Arsenic	1000	1020		ug/L		102	80 - 120
Sodium	10.0	10.0		mg/L		100	80 - 120
Barium	1000	995		ug/L		99	80 - 120
Beryllium	1000	1010		ug/L		101	80 - 120
Cadmium	1000	1020		ug/L		102	80 - 120
Chromium	1000	1020		ug/L		102	80 - 120
Cobalt	1000	1050		ug/L		105	80 - 120
Copper	1000	1030		ug/L		103	80 - 120
Lead	1000	1040		ug/L		104	80 - 120
Nickel	1000	987		ug/L		99	80 - 120
Selenium	1000	1020		ug/L		102	80 - 120
Silver	1000	1020		ug/L		102	80 - 120
Vanadium	1000	1000		ug/L		100	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120

Lab Sample ID: 660-101620-H-4-C MS
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 223897

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1050		ug/L		105	75 - 125
Iron	13	J3	1.00	15.0	J3	mg/L		151	75 - 125
Arsenic	22		1000	1080		ug/L		106	75 - 125
Sodium	4.7		10.0	15.1		mg/L		103	75 - 125
Barium	1.6	I	1000	1020		ug/L		101	75 - 125
Beryllium	0.50	U	1000	1050		ug/L		105	75 - 125
Cadmium	0.46	U	1000	1050		ug/L		105	75 - 125
Chromium	1.1	U	1000	1030		ug/L		103	75 - 125
Cobalt	67		1000	1130		ug/L		107	75 - 125
Copper	2.8	U	1000	1050		ug/L		105	75 - 125
Lead	2.5	I	1000	1060		ug/L		106	75 - 125
Nickel	2.4	I	1000	1010		ug/L		101	75 - 125
Selenium	5.0	U	1000	1040		ug/L		104	75 - 125
Silver	1.5	U	1000	1040		ug/L		104	75 - 125
Vanadium	4.4	U	1000	1030		ug/L		103	75 - 125
Zinc	5.0	U	1000	1040		ug/L		104	75 - 125

Lab Sample ID: 660-101620-H-4-D MSD
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 223897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1040		ug/L		104	75 - 125	1	20
Iron	13	J3	1.00	14.6		mg/L		109	75 - 125	3	20
Arsenic	22		1000	1070		ug/L		105	75 - 125	1	20
Sodium	4.7		10.0	14.5		mg/L		98	75 - 125	4	20
Barium	1.6	I	1000	989		ug/L		99	75 - 125	3	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101620-H-4-D MSD
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 223897

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Beryllium	0.50	U	1000	1040		ug/L		104	75 - 125	1	20
Cadmium	0.46	U	1000	1030		ug/L		103	75 - 125	1	20
Chromium	1.1	U	1000	1010		ug/L		101	75 - 125	2	20
Cobalt	67		1000	1120		ug/L		105	75 - 125	1	20
Copper	2.8	U	1000	1030		ug/L		103	75 - 125	2	20
Lead	2.5	I	1000	1040		ug/L		103	75 - 125	2	20
Nickel	2.4	I	1000	997		ug/L		99	75 - 125	2	20
Selenium	5.0	U	1000	1020		ug/L		102	75 - 125	2	20
Silver	1.5	U	1000	1030		ug/L		103	75 - 125	2	20
Vanadium	4.4	U	1000	1010		ug/L		101	75 - 125	2	20
Zinc	5.0	U	1000	1010		ug/L		101	75 - 125	2	20

Lab Sample ID: MB 660-223961/1-A
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 223961

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/22/20 08:51	04/22/20 21:31	1
Iron	25	U	200	25	ug/L		04/22/20 08:51	04/22/20 21:31	1
Arsenic	1.9	U	10	1.9	ug/L		04/22/20 08:51	04/22/20 21:31	1
Sodium	120	U	1000	120	ug/L		04/22/20 08:51	04/22/20 21:31	1
Barium	0.40	U	10	0.40	ug/L		04/22/20 08:51	04/22/20 21:31	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/22/20 08:51	04/22/20 21:31	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/22/20 08:51	04/22/20 21:31	1
Chromium	1.1	U	10	1.1	ug/L		04/22/20 08:51	04/22/20 21:31	1
Cobalt	1.0	U	10	1.0	ug/L		04/22/20 08:51	04/22/20 21:31	1
Copper	2.8	U	10	2.8	ug/L		04/22/20 08:51	04/22/20 21:31	1
Lead	2.0	U	10	2.0	ug/L		04/22/20 08:51	04/22/20 21:31	1
Nickel	0.81	U	8.0	0.81	ug/L		04/22/20 08:51	04/22/20 21:31	1
Selenium	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 21:31	1
Silver	1.5	U	10	1.5	ug/L		04/22/20 08:51	04/22/20 21:31	1
Vanadium	4.4	U	20	4.4	ug/L		04/22/20 08:51	04/22/20 21:31	1
Zinc	5.0	U	20	5.0	ug/L		04/22/20 08:51	04/22/20 21:31	1

Lab Sample ID: LCS 660-223961/2-A
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1040		ug/L		104	80 - 120
Iron	1000	993		ug/L		99	80 - 120
Arsenic	1000	1020		ug/L		102	80 - 120
Sodium	10000	10800		ug/L		108	80 - 120
Barium	1000	1040		ug/L		104	80 - 120
Beryllium	1000	1050		ug/L		105	80 - 120
Cadmium	1000	1030		ug/L		103	80 - 120
Chromium	1000	1060		ug/L		106	80 - 120
Cobalt	1000	1060		ug/L		106	80 - 120
Copper	1000	1060		ug/L		106	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 660-223961/2-A
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 223961

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	1000	1070		ug/L		107	80 - 120
Nickel	1000	1040		ug/L		104	80 - 120
Selenium	1000	1060		ug/L		106	80 - 120
Silver	1000	1080		ug/L		108	80 - 120
Vanadium	1000	1010		ug/L		101	80 - 120
Zinc	1000	1070		ug/L		107	80 - 120

Lab Sample ID: 660-101646-D-1-C MS
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 223961

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1040		ug/L		104	75 - 125
Iron	38000	J3	1000	48900	J3	ug/L		1077	75 - 125
Arsenic	20		1000	1050		ug/L		103	75 - 125
Sodium	17000	J3	10000	31200	J3	ug/L		139	75 - 125
Barium	57		1000	1090		ug/L		103	75 - 125
Beryllium	0.50	U	1000	1050		ug/L		105	75 - 125
Cadmium	1.3	I	1000	1020		ug/L		101	75 - 125
Chromium	11		1000	1050		ug/L		104	75 - 125
Cobalt	1.6	I	1000	1020		ug/L		102	75 - 125
Copper	1200	J3	1000	2410		ug/L		125	75 - 125
Lead	110		1000	1150		ug/L		104	75 - 125
Nickel	120		1000	1140		ug/L		102	75 - 125
Selenium	5.0	U	1000	1070		ug/L		107	75 - 125
Silver	1.5	U	1000	1060		ug/L		106	75 - 125
Vanadium	13	I	1000	1020		ug/L		101	75 - 125
Zinc	410		1000	1540		ug/L		113	75 - 125

Lab Sample ID: 660-101646-D-1-D MSD
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 223961

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	3	20
Iron	38000	J3	1000	49500	J3	ug/L		1135	75 - 125	1	20
Arsenic	20		1000	1070		ug/L		105	75 - 125	1	20
Sodium	17000	J3	10000	31500	J3	ug/L		143	75 - 125	1	20
Barium	57		1000	1110		ug/L		105	75 - 125	2	20
Beryllium	0.50	U	1000	1070		ug/L		107	75 - 125	2	20
Cadmium	1.3	I	1000	1040		ug/L		104	75 - 125	2	20
Chromium	11		1000	1080		ug/L		106	75 - 125	2	20
Cobalt	1.6	I	1000	1040		ug/L		104	75 - 125	2	20
Copper	1200	J3	1000	2420	J3	ug/L		127	75 - 125	1	20
Lead	110		1000	1180		ug/L		107	75 - 125	2	20
Nickel	120		1000	1160		ug/L		104	75 - 125	2	20
Selenium	5.0	U	1000	1080		ug/L		108	75 - 125	1	20
Silver	1.5	U	1000	1080		ug/L		108	75 - 125	2	20
Vanadium	13	I	1000	1040		ug/L		103	75 - 125	2	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101646-D-1-D MSD
Matrix: Water
Analysis Batch: 223966

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 223961

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Zinc	410		1000	1560		ug/L		115	75 - 125	1	20

Lab Sample ID: MB 660-224004/1-A
Matrix: Water
Analysis Batch: 224011

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 224004

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/23/20 08:07	04/23/20 14:18	1
Iron	0.025	U	0.20	0.025	mg/L		04/23/20 08:07	04/23/20 14:18	1
Arsenic	1.9	U	10	1.9	ug/L		04/23/20 08:07	04/23/20 14:18	1
Sodium	0.12	U	1.0	0.12	mg/L		04/23/20 08:07	04/23/20 14:18	1
Barium	0.40	U	10	0.40	ug/L		04/23/20 08:07	04/23/20 14:18	1
Beryllium	0.50	U	2.0	0.50	ug/L		04/23/20 08:07	04/23/20 14:18	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/23/20 08:07	04/23/20 14:18	1
Chromium	1.1	U	10	1.1	ug/L		04/23/20 08:07	04/23/20 14:18	1
Cobalt	1.0	U	10	1.0	ug/L		04/23/20 08:07	04/23/20 14:18	1
Copper	2.8	U	10	2.8	ug/L		04/23/20 08:07	04/23/20 14:18	1
Lead	2.0	U	10	2.0	ug/L		04/23/20 08:07	04/23/20 14:18	1
Nickel	0.81	U	8.0	0.81	ug/L		04/23/20 08:07	04/23/20 14:18	1
Selenium	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 14:18	1
Silver	1.5	U	10	1.5	ug/L		04/23/20 08:07	04/23/20 14:18	1
Vanadium	4.4	U	20	4.4	ug/L		04/23/20 08:07	04/23/20 14:18	1
Zinc	5.0	U	20	5.0	ug/L		04/23/20 08:07	04/23/20 14:18	1

Lab Sample ID: LCS 660-224004/2-A
Matrix: Water
Analysis Batch: 224011

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 224004

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1020		ug/L		102	80 - 120
Iron	1.00	0.991		mg/L		99	80 - 120
Arsenic	1000	1010		ug/L		101	80 - 120
Sodium	10.0	10.3		mg/L		103	80 - 120
Barium	1000	1010		ug/L		101	80 - 120
Beryllium	1000	1000		ug/L		100	80 - 120
Cadmium	1000	1000		ug/L		100	80 - 120
Chromium	1000	1020		ug/L		102	80 - 120
Cobalt	1000	1030		ug/L		103	80 - 120
Copper	1000	1020		ug/L		102	80 - 120
Lead	1000	1030		ug/L		103	80 - 120
Nickel	1000	983		ug/L		98	80 - 120
Selenium	1000	1010		ug/L		101	80 - 120
Silver	1000	1010		ug/L		101	80 - 120
Vanadium	1000	990		ug/L		99	80 - 120
Zinc	1000	1010		ug/L		101	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101642-B-1-C MS
Matrix: Water
Analysis Batch: 224011

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 224004

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.2	I	1000	1040		ug/L		104	75 - 125
Iron	0.28		1.00	1.27		mg/L		99	75 - 125
Arsenic	3.6	I	1000	1050		ug/L		105	75 - 125
Sodium	21		10.0	31.3		mg/L		102	75 - 125
Barium	21		1000	1030		ug/L		101	75 - 125
Beryllium	0.50	U	1000	1020		ug/L		102	75 - 125
Cadmium	0.46	U	1000	1020		ug/L		102	75 - 125
Chromium	1.1	U	1000	1030		ug/L		103	75 - 125
Cobalt	1.0	U	1000	1020		ug/L		102	75 - 125
Copper	2.8	U	1000	1020		ug/L		102	75 - 125
Lead	2.0	U	1000	1020		ug/L		102	75 - 125
Nickel	0.81	U	1000	974		ug/L		97	75 - 125
Selenium	5.0	U	1000	1040		ug/L		104	75 - 125
Silver	1.5	U	1000	1020		ug/L		102	75 - 125
Vanadium	8.6	I	1000	1010		ug/L		100	75 - 125
Zinc	5.0	U	1000	1040		ug/L		104	75 - 125

Lab Sample ID: 660-101642-B-1-D MSD
Matrix: Water
Analysis Batch: 224011

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 224004

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.2	I	1000	1050		ug/L		105	75 - 125	1	20
Iron	0.28		1.00	1.28		mg/L		100	75 - 125	0	20
Arsenic	3.6	I	1000	1050		ug/L		105	75 - 125	0	20
Sodium	21		10.0	31.6		mg/L		105	75 - 125	1	20
Barium	21		1000	1040		ug/L		101	75 - 125	1	20
Beryllium	0.50	U	1000	1030		ug/L		103	75 - 125	1	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	1.0	U	1000	1010		ug/L		101	75 - 125	1	20
Copper	2.8	U	1000	1020		ug/L		102	75 - 125	0	20
Lead	2.0	U	1000	1020		ug/L		102	75 - 125	0	20
Nickel	0.81	U	1000	976		ug/L		98	75 - 125	0	20
Selenium	5.0	U	1000	1040		ug/L		104	75 - 125	0	20
Silver	1.5	U	1000	1020		ug/L		102	75 - 125	0	20
Vanadium	8.6	I	1000	1010		ug/L		100	75 - 125	0	20
Zinc	5.0	U	1000	1040		ug/L		104	75 - 125	0	20

Lab Sample ID: MB 660-224174/1-A
Matrix: Water
Analysis Batch: 224186

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 224174

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		04/29/20 07:08	04/29/20 18:56	1
Iron	0.025	U	0.20	0.025	mg/L		04/29/20 07:08	04/29/20 18:56	1
Arsenic	1.9	U	10	1.9	ug/L		04/29/20 07:08	04/29/20 18:56	1
Sodium	0.12	U	1.0	0.12	mg/L		04/29/20 07:08	04/29/20 18:56	1
Barium	0.40	U	10	0.40	ug/L		04/29/20 07:08	04/29/20 18:56	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 660-224174/1-A
Matrix: Water
Analysis Batch: 224186

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 224174

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	0.50	U	2.0	0.50	ug/L		04/29/20 07:08	04/29/20 18:56	1
Cadmium	0.46	U	4.0	0.46	ug/L		04/29/20 07:08	04/29/20 18:56	1
Chromium	1.1	U	10	1.1	ug/L		04/29/20 07:08	04/29/20 18:56	1
Cobalt	1.0	U	10	1.0	ug/L		04/29/20 07:08	04/29/20 18:56	1
Copper	2.8	U	10	2.8	ug/L		04/29/20 07:08	04/29/20 18:56	1
Lead	2.0	U	10	2.0	ug/L		04/29/20 07:08	04/29/20 18:56	1
Nickel	0.81	U	8.0	0.81	ug/L		04/29/20 07:08	04/29/20 18:56	1
Selenium	5.0	U	20	5.0	ug/L		04/29/20 07:08	04/29/20 18:56	1
Silver	1.5	U	10	1.5	ug/L		04/29/20 07:08	04/29/20 18:56	1
Vanadium	4.4	U	20	4.4	ug/L		04/29/20 07:08	04/29/20 18:56	1
Zinc	5.0	U	20	5.0	ug/L		04/29/20 07:08	04/29/20 18:56	1

Lab Sample ID: LCS 660-224174/2-A
Matrix: Water
Analysis Batch: 224186

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 224174

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1020		ug/L		102	80 - 120
Iron	1.00	1.02		mg/L		102	80 - 120
Arsenic	1000	946		ug/L		95	80 - 120
Sodium	10.0	10.1		mg/L		101	80 - 120
Barium	1000	1010		ug/L		101	80 - 120
Beryllium	1000	1030		ug/L		103	80 - 120
Cadmium	1000	973		ug/L		97	80 - 120
Chromium	1000	965		ug/L		96	80 - 120
Cobalt	1000	995		ug/L		100	80 - 120
Copper	1000	1020		ug/L		102	80 - 120
Lead	1000	1010		ug/L		101	80 - 120
Nickel	1000	994		ug/L		99	80 - 120
Selenium	1000	948		ug/L		95	80 - 120
Silver	1000	1020		ug/L		102	80 - 120
Vanadium	1000	997		ug/L		100	80 - 120
Zinc	1000	963		ug/L		96	80 - 120

Lab Sample ID: 660-101800-1 MS
Matrix: Water
Analysis Batch: 224186

Client Sample ID: 4MW6
Prep Type: Total Recoverable
Prep Batch: 224174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1030		ug/L		103	75 - 125
Iron	0.025	U	1.00	1.02		mg/L		102	75 - 125
Arsenic	1.9	U	1000	967		ug/L		97	75 - 125
Sodium	2.5		10.0	12.7		mg/L		102	75 - 125
Barium	4.6	I	1000	1020		ug/L		101	75 - 125
Beryllium	0.50	U	1000	1040		ug/L		104	75 - 125
Cadmium	0.46	U	1000	983		ug/L		98	75 - 125
Chromium	1.1	U	1000	978		ug/L		98	75 - 125
Cobalt	1.0	U	1000	1000		ug/L		100	75 - 125
Copper	2.8	U	1000	1030		ug/L		103	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101800-1 MS
Matrix: Water
Analysis Batch: 224186

Client Sample ID: 4MW6
Prep Type: Total Recoverable
Prep Batch: 224174

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Lead	2.0	U	1000	1010		ug/L		101	75 - 125
Nickel	0.81	U	1000	988		ug/L		99	75 - 125
Selenium	5.0	U	1000	963		ug/L		96	75 - 125
Silver	1.5	U	1000	1030		ug/L		103	75 - 125
Vanadium	4.4	U	1000	1010		ug/L		101	75 - 125
Zinc	5.0	U	1000	978		ug/L		98	75 - 125

Lab Sample ID: 660-101800-1 MSD
Matrix: Water
Analysis Batch: 224186

Client Sample ID: 4MW6
Prep Type: Total Recoverable
Prep Batch: 224174

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1030		ug/L		103	75 - 125	0	20
Iron	0.025	U	1.00	1.03		mg/L		103	75 - 125	1	20
Arsenic	1.9	U	1000	961		ug/L		96	75 - 125	1	20
Sodium	2.5		10.0	12.7		mg/L		102	75 - 125	0	20
Barium	4.6	I	1000	1020		ug/L		102	75 - 125	1	20
Beryllium	0.50	U	1000	1030		ug/L		103	75 - 125	1	20
Cadmium	0.46	U	1000	978		ug/L		98	75 - 125	1	20
Chromium	1.1	U	1000	972		ug/L		97	75 - 125	1	20
Cobalt	1.0	U	1000	996		ug/L		100	75 - 125	0	20
Copper	2.8	U	1000	1020		ug/L		102	75 - 125	1	20
Lead	2.0	U	1000	1010		ug/L		101	75 - 125	0	20
Nickel	0.81	U	1000	991		ug/L		99	75 - 125	0	20
Selenium	5.0	U	1000	955		ug/L		96	75 - 125	1	20
Silver	1.5	U	1000	1020		ug/L		102	75 - 125	0	20
Vanadium	4.4	U	1000	1020		ug/L		102	75 - 125	1	20
Zinc	5.0	U	1000	972		ug/L		97	75 - 125	1	20

Lab Sample ID: MB 660-224271/1-A
Matrix: Water
Analysis Batch: 224340

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 224271

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/01/20 06:47	05/04/20 08:26	1
Iron	0.025	U	0.20	0.025	mg/L		05/01/20 06:47	05/04/20 08:26	1
Arsenic	1.9	U	10	1.9	ug/L		05/01/20 06:47	05/04/20 08:26	1
Sodium	0.12	U	1.0	0.12	mg/L		05/01/20 06:47	05/04/20 08:26	1
Barium	0.40	U	10	0.40	ug/L		05/01/20 06:47	05/04/20 08:26	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/01/20 06:47	05/04/20 08:26	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/01/20 06:47	05/04/20 08:26	1
Chromium	1.1	U	10	1.1	ug/L		05/01/20 06:47	05/04/20 08:26	1
Cobalt	1.0	U	10	1.0	ug/L		05/01/20 06:47	05/04/20 08:26	1
Copper	2.8	U	10	2.8	ug/L		05/01/20 06:47	05/04/20 08:26	1
Lead	2.0	U	10	2.0	ug/L		05/01/20 06:47	05/04/20 08:26	1
Nickel	0.81	U	8.0	0.81	ug/L		05/01/20 06:47	05/04/20 08:26	1
Selenium	5.0	U	20	5.0	ug/L		05/01/20 06:47	05/04/20 08:26	1
Silver	1.5	U	10	1.5	ug/L		05/01/20 06:47	05/04/20 08:26	1
Vanadium	4.4	U	20	4.4	ug/L		05/01/20 06:47	05/04/20 08:26	1

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: MB 660-224271/1-A
Matrix: Water
Analysis Batch: 224340

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 224271

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	5.0	U	20	5.0	ug/L		05/01/20 06:47	05/04/20 08:26	1

Lab Sample ID: LCS 660-224271/2-A
Matrix: Water
Analysis Batch: 224340

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 224271

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1030		ug/L		103	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	1000		ug/L		100	80 - 120
Beryllium	1000	1030		ug/L		103	80 - 120
Cadmium	1000	1010		ug/L		101	80 - 120
Chromium	1000	1030		ug/L		103	80 - 120
Cobalt	1000	1050		ug/L		105	80 - 120
Copper	1000	1010		ug/L		101	80 - 120
Lead	1000	1050		ug/L		105	80 - 120
Nickel	1000	1000		ug/L		100	80 - 120
Selenium	1000	1020		ug/L		102	80 - 120
Silver	1000	1010		ug/L		101	80 - 120
Vanadium	1000	1000		ug/L		100	80 - 120
Zinc	1000	1030		ug/L		103	80 - 120

Lab Sample ID: 660-101852-B-1-C MS
Matrix: Water
Analysis Batch: 224340

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 224271

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1040		ug/L		104	75 - 125
Iron	0.30		1.00	1.33		mg/L		103	75 - 125
Arsenic	1.9	U	1000	1060		ug/L		106	75 - 125
Sodium	29		10.0	39.7		mg/L		112	75 - 125
Barium	36		1000	1020		ug/L		99	75 - 125
Beryllium	0.50	U	1000	1030		ug/L		103	75 - 125
Cadmium	0.46	U	1000	1020		ug/L		102	75 - 125
Chromium	1.1	U	1000	1040		ug/L		104	75 - 125
Cobalt	1.0	I	1000	1040		ug/L		104	75 - 125
Copper	2.8	U	1000	1040		ug/L		104	75 - 125
Lead	2.0	U	1000	1040		ug/L		104	75 - 125
Nickel	0.81	U	1000	989		ug/L		99	75 - 125
Selenium	5.0	U	1000	1060		ug/L		106	75 - 125
Silver	1.5	U	1000	1010		ug/L		101	75 - 125
Vanadium	4.4	U	1000	1000		ug/L		100	75 - 125
Zinc	5.0	U	1000	1050		ug/L		105	75 - 125

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101852-B-1-D MSD
Matrix: Water
Analysis Batch: 224340

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 224271

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1060		ug/L		106	75 - 125	2	20
Iron	0.30		1.00	1.34		mg/L		103	75 - 125	0	20
Arsenic	1.9	U	1000	1050		ug/L		105	75 - 125	0	20
Sodium	29		10.0	39.5		mg/L		109	75 - 125	1	20
Barium	36		1000	1030		ug/L		99	75 - 125	0	20
Beryllium	0.50	U	1000	1030		ug/L		103	75 - 125	0	20
Cadmium	0.46	U	1000	1030		ug/L		103	75 - 125	1	20
Chromium	1.1	U	1000	1050		ug/L		105	75 - 125	0	20
Cobalt	1.0	I	1000	1040		ug/L		104	75 - 125	0	20
Copper	2.8	U	1000	1040		ug/L		104	75 - 125	0	20
Lead	2.0	U	1000	1040		ug/L		104	75 - 125	1	20
Nickel	0.81	U	1000	994		ug/L		99	75 - 125	0	20
Selenium	5.0	U	1000	1050		ug/L		105	75 - 125	0	20
Silver	1.5	U	1000	1030		ug/L		103	75 - 125	1	20
Vanadium	4.4	U	1000	1010		ug/L		101	75 - 125	1	20
Zinc	5.0	U	1000	1050		ug/L		105	75 - 125	0	20

Lab Sample ID: MB 660-224423/1-A
Matrix: Water
Analysis Batch: 224450

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 224423

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/06/20 06:44	05/06/20 11:19	1
Iron	0.025	U	0.20	0.025	mg/L		05/06/20 06:44	05/06/20 11:19	1
Arsenic	1.9	U	10	1.9	ug/L		05/06/20 06:44	05/06/20 11:19	1
Sodium	0.12	U	1.0	0.12	mg/L		05/06/20 06:44	05/06/20 11:19	1
Barium	0.40	U	10	0.40	ug/L		05/06/20 06:44	05/06/20 11:19	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/06/20 06:44	05/06/20 11:19	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/06/20 06:44	05/06/20 11:19	1
Chromium	1.1	U	10	1.1	ug/L		05/06/20 06:44	05/06/20 11:19	1
Cobalt	1.0	U	10	1.0	ug/L		05/06/20 06:44	05/06/20 11:19	1
Copper	2.8	U	10	2.8	ug/L		05/06/20 06:44	05/06/20 11:19	1
Lead	2.0	U	10	2.0	ug/L		05/06/20 06:44	05/06/20 11:19	1
Nickel	0.81	U	8.0	0.81	ug/L		05/06/20 06:44	05/06/20 11:19	1
Selenium	5.0	U	20	5.0	ug/L		05/06/20 06:44	05/06/20 11:19	1
Silver	1.5	U	10	1.5	ug/L		05/06/20 06:44	05/06/20 11:19	1
Vanadium	4.4	U	20	4.4	ug/L		05/06/20 06:44	05/06/20 11:19	1
Zinc	5.0	U	20	5.0	ug/L		05/06/20 06:44	05/06/20 11:19	1

Lab Sample ID: LCS 660-224423/2-A
Matrix: Water
Analysis Batch: 224450

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 224423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1030		ug/L		103	80 - 120
Iron	1.00	1.00		mg/L		100	80 - 120
Arsenic	1000	1010		ug/L		101	80 - 120
Sodium	10.0	10.1		mg/L		101	80 - 120
Barium	1000	989		ug/L		99	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 660-224423/2-A
Matrix: Water
Analysis Batch: 224450

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 224423

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Beryllium	1000	1000		ug/L		100	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	1030		ug/L		103	80 - 120
Lead	1000	1050		ug/L		105	80 - 120
Nickel	1000	1000		ug/L		100	80 - 120
Selenium	1000	1020		ug/L		102	80 - 120
Silver	1000	1020		ug/L		102	80 - 120
Vanadium	1000	985		ug/L		98	80 - 120
Zinc	1000	1020		ug/L		102	80 - 120

Lab Sample ID: 660-101906-C-6-C MS
Matrix: Water
Analysis Batch: 224450

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 224423

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	812		ug/L		81	75 - 125
Iron	4.3	J3	1.00	5.06		mg/L		75	75 - 125
Arsenic	1.9	U	1000	810		ug/L		81	75 - 125
Sodium	11		10.0	18.8		mg/L		82	75 - 125
Barium	18		1000	810		ug/L		79	75 - 125
Beryllium	2.9		1000	816		ug/L		81	75 - 125
Cadmium	7.5		1000	807		ug/L		80	75 - 125
Chromium	1.4	I	1000	809		ug/L		81	75 - 125
Cobalt	15		1000	829		ug/L		81	75 - 125
Copper	18		1000	828		ug/L		81	75 - 125
Lead	2.0	U	1000	814		ug/L		81	75 - 125
Nickel	51		1000	840		ug/L		79	75 - 125
Selenium	5.0	U	1000	817		ug/L		82	75 - 125
Silver	1.5	U	1000	805		ug/L		80	75 - 125
Vanadium	4.4	U	1000	794		ug/L		79	75 - 125
Zinc	520		1000	1330		ug/L		81	75 - 125

Lab Sample ID: 660-101906-C-6-D MSD
Matrix: Water
Analysis Batch: 224450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 224423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	818		ug/L		82	75 - 125	1	20
Iron	4.3	J3	1.00	5.05	J3	mg/L		74	75 - 125	0	20
Arsenic	1.9	U	1000	793		ug/L		79	75 - 125	2	20
Sodium	11		10.0	18.6		mg/L		80	75 - 125	1	20
Barium	18		1000	807		ug/L		79	75 - 125	0	20
Beryllium	2.9		1000	807		ug/L		80	75 - 125	1	20
Cadmium	7.5		1000	799		ug/L		79	75 - 125	1	20
Chromium	1.4	I	1000	794		ug/L		79	75 - 125	2	20
Cobalt	15		1000	818		ug/L		80	75 - 125	1	20
Copper	18		1000	820		ug/L		80	75 - 125	1	20

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: 660-101906-C-6-D MSD
Matrix: Water
Analysis Batch: 224450

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 224423

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Lead	2.0	U	1000	805		ug/L		81	75 - 125	1	20
Nickel	51		1000	831		ug/L		78	75 - 125	1	20
Selenium	5.0	U	1000	801		ug/L		80	75 - 125	2	20
Silver	1.5	U	1000	802		ug/L		80	75 - 125	0	20
Vanadium	4.4	U	1000	790		ug/L		79	75 - 125	1	20
Zinc	520		1000	1310		ug/L		78	75 - 125	2	20

Lab Sample ID: MB 660-224526/1-A
Matrix: Water
Analysis Batch: 224533

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 224526

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	4.0	U	20	4.0	ug/L		05/08/20 08:27	05/08/20 13:46	1
Iron	0.025	U	0.20	0.025	mg/L		05/08/20 08:27	05/08/20 13:46	1
Arsenic	1.9	U	10	1.9	ug/L		05/08/20 08:27	05/08/20 13:46	1
Sodium	0.12	U	1.0	0.12	mg/L		05/08/20 08:27	05/08/20 13:46	1
Barium	0.40	U	10	0.40	ug/L		05/08/20 08:27	05/08/20 13:46	1
Beryllium	0.50	U	2.0	0.50	ug/L		05/08/20 08:27	05/08/20 13:46	1
Cadmium	0.46	U	4.0	0.46	ug/L		05/08/20 08:27	05/08/20 13:46	1
Chromium	1.1	U	10	1.1	ug/L		05/08/20 08:27	05/08/20 13:46	1
Cobalt	1.0	U	10	1.0	ug/L		05/08/20 08:27	05/08/20 13:46	1
Copper	2.8	U	10	2.8	ug/L		05/08/20 08:27	05/08/20 13:46	1
Lead	2.0	U	10	2.0	ug/L		05/08/20 08:27	05/08/20 13:46	1
Nickel	0.81	U	8.0	0.81	ug/L		05/08/20 08:27	05/08/20 13:46	1
Selenium	5.0	U	20	5.0	ug/L		05/08/20 08:27	05/08/20 13:46	1
Silver	1.5	U	10	1.5	ug/L		05/08/20 08:27	05/08/20 13:46	1
Vanadium	4.4	U	20	4.4	ug/L		05/08/20 08:27	05/08/20 13:46	1
Zinc	5.0	U	20	5.0	ug/L		05/08/20 08:27	05/08/20 13:46	1

Lab Sample ID: LCS 660-224526/2-A
Matrix: Water
Analysis Batch: 224533

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 224526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	1000	1020		ug/L		102	80 - 120
Iron	1.00	0.998		mg/L		100	80 - 120
Arsenic	1000	982		ug/L		98	80 - 120
Sodium	10.0	10.2		mg/L		102	80 - 120
Barium	1000	1000		ug/L		100	80 - 120
Beryllium	1000	1020		ug/L		102	80 - 120
Cadmium	1000	993		ug/L		99	80 - 120
Chromium	1000	1000		ug/L		100	80 - 120
Cobalt	1000	1020		ug/L		102	80 - 120
Copper	1000	1030		ug/L		103	80 - 120
Lead	1000	1030		ug/L		103	80 - 120
Nickel	1000	1000		ug/L		100	80 - 120
Selenium	1000	983		ug/L		98	80 - 120
Silver	1000	1030		ug/L		103	80 - 120
Vanadium	1000	995		ug/L		99	80 - 120

Method: 6010D - Metals (ICP) (Continued)

Lab Sample ID: LCS 660-224526/2-A
Matrix: Water
Analysis Batch: 224533

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 224526

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Zinc	1000	998		ug/L		100	80 - 120

Lab Sample ID: 660-101991-B-1-C MS
Matrix: Water
Analysis Batch: 224533

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 224526

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	4.0	U	1000	1040		ug/L		104	75 - 125
Iron	0.98		1.00	1.99		mg/L		101	75 - 125
Arsenic	1.9	U	1000	1000		ug/L		100	75 - 125
Sodium	17		10.0	27.0		mg/L		103	75 - 125
Barium	28		1000	1030		ug/L		101	75 - 125
Beryllium	0.50	U	1000	1040		ug/L		104	75 - 125
Cadmium	0.46	U	1000	998		ug/L		100	75 - 125
Chromium	1.1	U	1000	984		ug/L		98	75 - 125
Cobalt	1.0	U	1000	991		ug/L		99	75 - 125
Copper	2.8	U	1000	1030		ug/L		103	75 - 125
Lead	2.0	U	1000	986		ug/L		99	75 - 125
Nickel	1.2	I	1000	983		ug/L		98	75 - 125
Selenium	5.3	I	1000	957		ug/L		95	75 - 125
Silver	1.5	U	1000	1030		ug/L		103	75 - 125
Vanadium	7.3	I	1000	1010		ug/L		100	75 - 125
Zinc	5.0	U	1000	1000		ug/L		100	75 - 125

Lab Sample ID: 660-101991-B-1-D MSD
Matrix: Water
Analysis Batch: 224533

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 224526

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	4.0	U	1000	1040		ug/L		104	75 - 125	0	20
Iron	0.98		1.00	1.98		mg/L		101	75 - 125	0	20
Arsenic	1.9	U	1000	997		ug/L		100	75 - 125	0	20
Sodium	17		10.0	27.2		mg/L		105	75 - 125	1	20
Barium	28		1000	1020		ug/L		100	75 - 125	1	20
Beryllium	0.50	U	1000	1030		ug/L		103	75 - 125	1	20
Cadmium	0.46	U	1000	997		ug/L		100	75 - 125	0	20
Chromium	1.1	U	1000	979		ug/L		98	75 - 125	0	20
Cobalt	1.0	U	1000	986		ug/L		99	75 - 125	0	20
Copper	2.8	U	1000	1040		ug/L		104	75 - 125	0	20
Lead	2.0	U	1000	984		ug/L		98	75 - 125	0	20
Nickel	1.2	I	1000	976		ug/L		97	75 - 125	1	20
Selenium	5.3	I	1000	945		ug/L		94	75 - 125	1	20
Silver	1.5	U	1000	1030		ug/L		103	75 - 125	0	20
Vanadium	7.3	I	1000	1000		ug/L		99	75 - 125	1	20
Zinc	5.0	U	1000	994		ug/L		99	75 - 125	1	20

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-614483/1-A
Matrix: Water
Analysis Batch: 614724

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 614483

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/08/20 18:00	04/09/20 15:52	1

Lab Sample ID: LCS 680-614483/2-A
Matrix: Water
Analysis Batch: 614724

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 614483

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	41.1		ug/L		103	80 - 120

Lab Sample ID: 660-101389-1 MS
Matrix: Water
Analysis Batch: 614724

Client Sample ID: 2MW-26D
Prep Type: Total Recoverable
Prep Batch: 614483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	48.2		ug/L		120	75 - 125

Lab Sample ID: 660-101389-1 MSD
Matrix: Water
Analysis Batch: 614724

Client Sample ID: 2MW-26D
Prep Type: Total Recoverable
Prep Batch: 614483

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	43.1		ug/L		108	75 - 125	11	20

Lab Sample ID: MB 680-614851/1-A
Matrix: Water
Analysis Batch: 615046

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 614851

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/12/20 11:28	04/13/20 19:00	1

Lab Sample ID: LCS 680-614851/2-A
Matrix: Water
Analysis Batch: 615046

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 614851

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	40.3		ug/L		101	80 - 120

Lab Sample ID: MB 680-615232/1-A
Matrix: Water
Analysis Batch: 615743

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 615232

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/15/20 12:34	04/17/20 13:34	1

Lab Sample ID: LCS 680-615232/2-A
Matrix: Water
Analysis Batch: 615743

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 615232

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	38.0		ug/L		95	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 660-101530-D-4-B MS
Matrix: Water
Analysis Batch: 615743

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 615232

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	37.2		ug/L		93	75 - 125

Lab Sample ID: 660-101530-D-4-C MSD
Matrix: Water
Analysis Batch: 615743

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 615232

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	40.1		ug/L		100	75 - 125	8	20

Lab Sample ID: MB 680-615786/1-A
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 615786

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/20/20 12:45	04/23/20 09:57	1

Lab Sample ID: LCS 680-615786/2-A
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 615786

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	43.2		ug/L		108	80 - 120

Lab Sample ID: 660-101624-D-9-B MS
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 615786

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	42.5		ug/L		106	75 - 125

Lab Sample ID: 660-101624-D-9-C MSD
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 615786

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	41.2		ug/L		103	75 - 125	3	20

Lab Sample ID: MB 680-615790/1-A
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 615790

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/20/20 13:09	04/22/20 19:48	1

Lab Sample ID: LCS 680-615790/2-A
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 615790

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	39.7		ug/L		99	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 680-182903-A-30-B MS
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 615790

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	41.7		ug/L		104	75 - 125

Lab Sample ID: 680-182903-A-30-C MSD
Matrix: Water
Analysis Batch: 616248

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 615790

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	42.1		ug/L		105	75 - 125	1	20

Lab Sample ID: MB 680-616111/1-A
Matrix: Water
Analysis Batch: 616364

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 616111

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/22/20 12:37	04/23/20 12:17	1

Lab Sample ID: LCS 680-616111/2-A
Matrix: Water
Analysis Batch: 616364

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 616111

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	41.2		ug/L		103	80 - 120

Lab Sample ID: 660-101667-1 MS
Matrix: Water
Analysis Batch: 616364

Client Sample ID: 4MW2
Prep Type: Total Recoverable
Prep Batch: 616111

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	43.5		ug/L		109	75 - 125

Lab Sample ID: 660-101667-1 MSD
Matrix: Water
Analysis Batch: 616364

Client Sample ID: 4MW2
Prep Type: Total Recoverable
Prep Batch: 616111

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	44.6		ug/L		111	75 - 125	2	20

Lab Sample ID: MB 680-616972/1-A
Matrix: Water
Analysis Batch: 617259

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 616972

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		04/29/20 16:11	05/01/20 11:31	1

Lab Sample ID: LCS 680-616972/2-A
Matrix: Water
Analysis Batch: 617259

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 616972

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	41.5		ug/L		104	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 660-101744-C-1-B MS
Matrix: Water
Analysis Batch: 617259

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 616972

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	44.1		ug/L		110	75 - 125

Lab Sample ID: 660-101744-C-1-C MSD
Matrix: Water
Analysis Batch: 617259

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 616972

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	44.3		ug/L		111	75 - 125	1	20

Lab Sample ID: MB 680-617434/1-A
Matrix: Water
Analysis Batch: 617660

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 617434

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/04/20 12:14	05/05/20 12:52	1

Lab Sample ID: LCS 680-617434/2-A
Matrix: Water
Analysis Batch: 617660

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 617434

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	41.3		ug/L		103	80 - 120

Lab Sample ID: 680-183264-A-9-B MS
Matrix: Water
Analysis Batch: 617660

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 617434

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	46.8		ug/L		117	75 - 125

Lab Sample ID: 680-183264-A-9-C MSD
Matrix: Water
Analysis Batch: 617660

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 617434

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	46.4		ug/L		116	75 - 125	1	20

Lab Sample ID: MB 680-617856/1-A
Matrix: Water
Analysis Batch: 617999

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 617856

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/07/20 09:44	05/07/20 16:55	1

Lab Sample ID: LCS 680-617856/2-A
Matrix: Water
Analysis Batch: 617999

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 617856

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	45.5		ug/L		114	80 - 120

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: 680-183403-B-4-B MS
Matrix: Water
Analysis Batch: 617999

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 617856

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	45.9		ug/L		115	75 - 125

Lab Sample ID: 680-183403-B-4-C MSD
Matrix: Water
Analysis Batch: 617999

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 617856

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	48.9		ug/L		122	75 - 125	6	20

Lab Sample ID: MB 680-618409/1-A
Matrix: Water
Analysis Batch: 618669

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 618409

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.49	U	1.0	0.49	ug/L		05/12/20 11:28	05/13/20 19:37	1

Lab Sample ID: LCS 680-618409/2-A
Matrix: Water
Analysis Batch: 618669

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 618409

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	40.0	41.9		ug/L		105	80 - 120

Lab Sample ID: 680-183565-A-7-B MS
Matrix: Water
Analysis Batch: 618669

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 618409

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	39.6		ug/L		99	75 - 125

Lab Sample ID: 680-183565-A-7-C MSD
Matrix: Water
Analysis Batch: 618669

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 618409

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	41.4		ug/L		103	75 - 125	4	20

Lab Sample ID: 680-182664-E-3-B MS
Matrix: Water
Analysis Batch: 615046

Client Sample ID: Matrix Spike
Prep Type: Dissolved
Prep Batch: 614851

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Thallium	0.49	U	40.0	42.7		ug/L		107	75 - 125

Lab Sample ID: 680-182664-E-3-C MSD
Matrix: Water
Analysis Batch: 615046

Client Sample ID: Matrix Spike Duplicate
Prep Type: Dissolved
Prep Batch: 614851

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Thallium	0.49	U	40.0	41.0		ug/L		103	75 - 125	4	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 660-223785/13-A
Matrix: Water
Analysis Batch: 223790

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223785

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/16/20 18:30	04/16/20 21:48	1

Lab Sample ID: LCS 660-223785/14-A
Matrix: Water
Analysis Batch: 223790

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223785

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.33		ug/L		95	80 - 120

Lab Sample ID: 660-101389-1 MS
Matrix: Water
Analysis Batch: 223790

Client Sample ID: 2MW-26D
Prep Type: Total/NA
Prep Batch: 223785

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.049	U	1.40	1.33		ug/L		95	80 - 120

Lab Sample ID: 660-101389-1 MSD
Matrix: Water
Analysis Batch: 223790

Client Sample ID: 2MW-26D
Prep Type: Total/NA
Prep Batch: 223785

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.049	U	1.40	1.29		ug/L		92	80 - 120	3	20

Lab Sample ID: MB 660-223937/13-A
Matrix: Water
Analysis Batch: 223941

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223937

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/21/20 18:30	04/21/20 22:35	1

Lab Sample ID: LCS 660-223937/14-A
Matrix: Water
Analysis Batch: 223941

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223937

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.33		ug/L		95	80 - 120

Lab Sample ID: 660-101535-1 MS
Matrix: Water
Analysis Batch: 223941

Client Sample ID: 4MW-9
Prep Type: Total/NA
Prep Batch: 223937

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.049	U	1.40	1.36		ug/L		97	80 - 120

Lab Sample ID: 660-101535-1 MSD
Matrix: Water
Analysis Batch: 223941

Client Sample ID: 4MW-9
Prep Type: Total/NA
Prep Batch: 223937

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.049	U	1.40	1.29		ug/L		92	80 - 120	5	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 660-223978/13-A
Matrix: Water
Analysis Batch: 223983

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 223978

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/22/20 16:05	04/22/20 20:02	1

Lab Sample ID: LCS 660-223978/14-A
Matrix: Water
Analysis Batch: 223983

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 223978

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.41		ug/L		101	80 - 120

Lab Sample ID: 660-101541-D-1-C MS
Matrix: Water
Analysis Batch: 223983

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 223978

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.049	U	1.40	1.30		ug/L		93	80 - 120

Lab Sample ID: 660-101541-D-1-D MSD
Matrix: Water
Analysis Batch: 223983

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 223978

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.049	U	1.40	1.34		ug/L		96	80 - 120	3	20

Lab Sample ID: MB 660-224159/13-A
Matrix: Water
Analysis Batch: 224164

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224159

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		04/28/20 16:00	04/28/20 19:37	1

Lab Sample ID: LCS 660-224159/14-A
Matrix: Water
Analysis Batch: 224164

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224159

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.33		ug/L		95	80 - 120

Lab Sample ID: 660-101800-1 MS
Matrix: Water
Analysis Batch: 224164

Client Sample ID: 4MW6
Prep Type: Total/NA
Prep Batch: 224159

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.049	U	1.40	1.32		ug/L		94	80 - 120

Lab Sample ID: 660-101800-1 MSD
Matrix: Water
Analysis Batch: 224164

Client Sample ID: 4MW6
Prep Type: Total/NA
Prep Batch: 224159

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.049	U	1.40	1.34		ug/L		96	80 - 120	2	20

Method: 7470A - Mercury (CVAA)

Lab Sample ID: MB 660-224417/13-A
Matrix: Water
Analysis Batch: 224422

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224417

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/05/20 16:05	05/05/20 20:27	1

Lab Sample ID: LCS 660-224417/14-A
Matrix: Water
Analysis Batch: 224422

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224417

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.37		ug/L		98	80 - 120

Lab Sample ID: 660-101801-1 MS
Matrix: Water
Analysis Batch: 224422

Client Sample ID: 2MW18D
Prep Type: Total/NA
Prep Batch: 224417

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.049	U	1.40	1.43		ug/L		102	80 - 120

Lab Sample ID: 660-101801-1 MSD
Matrix: Water
Analysis Batch: 224422

Client Sample ID: 2MW18D
Prep Type: Total/NA
Prep Batch: 224417

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.049	U	1.40	1.43		ug/L		102	80 - 120	0	20

Lab Sample ID: MB 660-224611/13-A
Matrix: Water
Analysis Batch: 224650

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 224611

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	U	0.30	0.049	ug/L		05/13/20 06:30	05/13/20 09:13	1

Lab Sample ID: LCS 660-224611/14-A
Matrix: Water
Analysis Batch: 224650

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 224611

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	1.40	1.41		ug/L		101	80 - 120

Lab Sample ID: 660-101919-A-1-C MS
Matrix: Water
Analysis Batch: 224650

Client Sample ID: Matrix Spike
Prep Type: Total/NA
Prep Batch: 224611

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.049	U	1.40	1.39		ug/L		99	80 - 120

Lab Sample ID: 660-101919-A-1-D MSD
Matrix: Water
Analysis Batch: 224650

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total/NA
Prep Batch: 224611

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Mercury	0.049	U	1.40	1.34		ug/L		96	80 - 120	3	20

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: MB 680-615426/25
Matrix: Water
Analysis Batch: 615426

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			04/13/20 13:16	1

Lab Sample ID: MB 680-615426/51
Matrix: Water
Analysis Batch: 615426

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			04/13/20 13:44	1

Lab Sample ID: LCS 680-615426/24
Matrix: Water
Analysis Batch: 615426

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	1.04		mg/L		104	90 - 110

Lab Sample ID: LCS 680-615426/50
Matrix: Water
Analysis Batch: 615426

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	1.04		mg/L		104	90 - 110

Lab Sample ID: 660-101389-1 MS
Matrix: Water
Analysis Batch: 615426

Client Sample ID: 2MW-26D
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	0.944		mg/L		94	90 - 110

Lab Sample ID: 660-101389-1 MSD
Matrix: Water
Analysis Batch: 615426

Client Sample ID: 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
Ammonia	0.10	U	1.00	0.959		mg/L		96	90 - 110	2	30

Lab Sample ID: 660-101470-2 MS
Matrix: Water
Analysis Batch: 615426

Client Sample ID: 2MW 24D
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	1.16	J3	mg/L		116	90 - 110

Lab Sample ID: 660-101470-2 MSD
Matrix: Water
Analysis Batch: 615426

Client Sample ID: 2MW 24D
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	1	30

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: MB 680-615455/10
Matrix: Water
Analysis Batch: 615455

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			04/16/20 13:51	1

Lab Sample ID: LCS 680-615455/11
Matrix: Water
Analysis Batch: 615455

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	0.978		mg/L		98	90 - 110

Lab Sample ID: 680-182474-A-3 MS
Matrix: Water
Analysis Batch: 615455

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	0.14	I J3	1.00	1.01	J3	mg/L		88	90 - 110

Lab Sample ID: 680-182474-A-3 MSD
Matrix: Water
Analysis Batch: 615455

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	0.14	I J3	1.00	1.04		mg/L		90	90 - 110	3	30

Lab Sample ID: MB 680-616192/11
Matrix: Water
Analysis Batch: 616192

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			04/22/20 12:30	1

Lab Sample ID: LCS 680-616192/9
Matrix: Water
Analysis Batch: 616192

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	0.955		mg/L		95	90 - 110

Lab Sample ID: 660-101558-K-6 MS
Matrix: Water
Analysis Batch: 616192

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	0.53		1.00	1.49		mg/L		97	90 - 110

Lab Sample ID: 660-101558-K-6 MSD
Matrix: Water
Analysis Batch: 616192

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	0.53		1.00	1.53		mg/L		100	90 - 110	2	30

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: 660-101617-2 MS
Matrix: Water
Analysis Batch: 616192

Client Sample ID: 4MW8
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	1.21	J3	mg/L		121	90 - 110

Lab Sample ID: 660-101617-2 MSD
Matrix: Water
Analysis Batch: 616192

Client Sample ID: 4MW8
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	1.92	J3	mg/L		192	90 - 110	46	30

Lab Sample ID: MB 680-616413/10
Matrix: Water
Analysis Batch: 616413

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			04/23/20 14:47	1

Lab Sample ID: MB 680-616413/29
Matrix: Water
Analysis Batch: 616413

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			04/23/20 15:06	1

Lab Sample ID: LCS 680-616413/11
Matrix: Water
Analysis Batch: 616413

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	1.05		mg/L		105	90 - 110

Lab Sample ID: LCS 680-616413/30
Matrix: Water
Analysis Batch: 616413

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	1.05		mg/L		105	90 - 110

Lab Sample ID: 680-182775-A-1 MS
Matrix: Water
Analysis Batch: 616413

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	0.942		mg/L		94	90 - 110

Lab Sample ID: 680-182775-A-1 MSD
Matrix: Water
Analysis Batch: 616413

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	0.895	J3	mg/L		89	90 - 110	5	30

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: MB 680-617351/10
Matrix: Water
Analysis Batch: 617351

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			05/01/20 11:30	1

Lab Sample ID: LCS 680-617351/9
Matrix: Water
Analysis Batch: 617351

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: 660-101801-1 MS
Matrix: Water
Analysis Batch: 617351

Client Sample ID: 2MW18D
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	1.37	J3	mg/L		-21	90 - 110

Lab Sample ID: 660-101801-1 MSD
Matrix: Water
Analysis Batch: 617351

Client Sample ID: 2MW18D
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	1.51	J3	mg/L		-7	90 - 110	10	30

Lab Sample ID: MB 680-617633/4
Matrix: Water
Analysis Batch: 617633

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			05/05/20 11:47	1

Lab Sample ID: LCS 680-617633/5
Matrix: Water
Analysis Batch: 617633

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	1.08		mg/L		108	90 - 110

Lab Sample ID: 660-101864-1 MS
Matrix: Water
Analysis Batch: 617633

Client Sample ID: 4MW27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	0.24	I J3	1.00	1.41	J3	mg/L		117	90 - 110

Lab Sample ID: 660-101864-1 MSD
Matrix: Water
Analysis Batch: 617633

Client Sample ID: 4MW27
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ammonia	0.24	I J3	1.00	1.41	J3	mg/L		116	90 - 110	0	30

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: 680-183297-A-9 MS
Matrix: Water
Analysis Batch: 617633

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	1.19	J3	mg/L		119	90 - 110

Lab Sample ID: 680-183297-A-9 MSD
Matrix: Water
Analysis Batch: 617633

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	1	30

Lab Sample ID: MB 680-617703/10
Matrix: Water
Analysis Batch: 617703

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			05/05/20 11:38	1

Lab Sample ID: LCS 680-617703/11
Matrix: Water
Analysis Batch: 617703

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: 660-101882-C-2 MS
Matrix: Water
Analysis Batch: 617703

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	1.23	J3	mg/L		123	90 - 110

Lab Sample ID: 660-101882-C-2 MSD
Matrix: Water
Analysis Batch: 617703

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	1.26	J3	mg/L		126	90 - 110	3	30

Lab Sample ID: MB 680-618108/1
Matrix: Water
Analysis Batch: 618108

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			05/08/20 12:39	1

Lab Sample ID: LCS 680-618108/2
Matrix: Water
Analysis Batch: 618108

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	0.903		mg/L		90	90 - 110

Method: 350.1-1993 R2.0 - Nitrogen, Ammonia

Lab Sample ID: 660-101914-1 MS
Matrix: Water
Analysis Batch: 618108

Client Sample ID: 4MW21
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	1.30	J3	mg/L		130	90 - 110		

Lab Sample ID: 660-101914-1 MSD
Matrix: Water
Analysis Batch: 618108

Client Sample ID: 4MW21
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	1.31	J3	mg/L		131	90 - 110	1	30

Lab Sample ID: MB 680-618309/4
Matrix: Water
Analysis Batch: 618309

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			05/11/20 11:55	1

Lab Sample ID: LCS 680-618309/5
Matrix: Water
Analysis Batch: 618309

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	1.03		mg/L		103	90 - 110		

Lab Sample ID: 660-101959-N-1 MS
Matrix: Water
Analysis Batch: 618309

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	33	J3	1.00	33.0	J3	mg/L		7	90 - 110		

Lab Sample ID: 660-101959-N-1 MSD
Matrix: Water
Analysis Batch: 618309

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	33	J3	1.00	32.2	J3	mg/L		-71	90 - 110	2	30

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 660-223416/1
Matrix: Water
Analysis Batch: 223416

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			04/08/20 07:15	1

Method: SM 2540C - Solids, Total Dissolved (TDS) (Continued)

Lab Sample ID: LCS 660-223416/2
Matrix: Water
Analysis Batch: 223416

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	10000		mg/L		100	80 - 120

Lab Sample ID: 660-101389-2 DU
Matrix: Water
Analysis Batch: 223416

Client Sample ID: 2MW-25D
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	390		366	J3	mg/L		6	5.0

Lab Sample ID: MB 660-223551/1
Matrix: Water
Analysis Batch: 223551

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			04/10/20 07:52	1

Lab Sample ID: LCS 660-223551/2
Matrix: Water
Analysis Batch: 223551

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	9950		mg/L		100	80 - 120

Lab Sample ID: 660-101463-A-5 DU
Matrix: Water
Analysis Batch: 223551

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	770		774		mg/L		0.5	5.0

Lab Sample ID: MB 660-223632/1
Matrix: Water
Analysis Batch: 223632

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			04/13/20 11:25	1

Lab Sample ID: LCS 660-223632/2
Matrix: Water
Analysis Batch: 223632

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	9620		mg/L		96	80 - 120

Lab Sample ID: 660-101470-1 DU
Matrix: Water
Analysis Batch: 223632

Client Sample ID: 2MW 24S
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	270		268		mg/L		0.7	5.0

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: MB 660-223705/1
Matrix: Water
Analysis Batch: 223705

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			04/15/20 08:39	1

Lab Sample ID: LCS 660-223705/2
Matrix: Water
Analysis Batch: 223705

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	9990		mg/L		100	80 - 120

Lab Sample ID: 660-101508-A-2 DU
Matrix: Water
Analysis Batch: 223705

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	690		690		mg/L		0.3	5.0

Lab Sample ID: MB 660-223914/1
Matrix: Water
Analysis Batch: 223914

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			04/21/20 06:49	1

Lab Sample ID: LCS 660-223914/2
Matrix: Water
Analysis Batch: 223914

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	9760		mg/L		98	80 - 120

Lab Sample ID: 660-101587-A-1 DU
Matrix: Water
Analysis Batch: 223914

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	660		678		mg/L		3	5.0

Lab Sample ID: MB 660-223952/1
Matrix: Water
Analysis Batch: 223952

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			04/22/20 07:25	1

Lab Sample ID: LCS 660-223952/2
Matrix: Water
Analysis Batch: 223952

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	10100		mg/L		101	80 - 120

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: 660-101614-B-3 DU
Matrix: Water
Analysis Batch: 223952

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	710		716		mg/L		0.6	5.0

Lab Sample ID: MB 660-224003/1
Matrix: Water
Analysis Batch: 224003

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			04/23/20 07:48	1

Lab Sample ID: LCS 660-224003/2
Matrix: Water
Analysis Batch: 224003

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	9980		mg/L		100	80 - 120

Lab Sample ID: 660-101658-A-1 DU
Matrix: Water
Analysis Batch: 224003

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	570		682	J3	mg/L		18	5.0

Lab Sample ID: MB 660-224060/1
Matrix: Water
Analysis Batch: 224060

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			04/24/20 08:02	1

Lab Sample ID: LCS 660-224060/2
Matrix: Water
Analysis Batch: 224060

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: 660-101682-A-3 DU
Matrix: Water
Analysis Batch: 224060

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	1100		1080		mg/L		2	5.0

Lab Sample ID: MB 660-224183/1
Matrix: Water
Analysis Batch: 224183

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			04/29/20 08:04	1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: LCS 660-224183/2
Matrix: Water
Analysis Batch: 224183

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	9950		mg/L		100	80 - 120		

Lab Sample ID: 660-101780-R-1 DU
Matrix: Water
Analysis Batch: 224183

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	660			662		mg/L				0.9	5.0

Lab Sample ID: MB 660-224281/1
Matrix: Water
Analysis Batch: 224281

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			05/01/20 08:02	1

Lab Sample ID: LCS 660-224281/2
Matrix: Water
Analysis Batch: 224281

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	10000		mg/L		100	80 - 120		

Lab Sample ID: 660-101842-A-1 DU
Matrix: Water
Analysis Batch: 224281

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	630			634		mg/L				0.3	5.0

Lab Sample ID: 660-101865-2 DU
Matrix: Water
Analysis Batch: 224281

Client Sample ID: 4MW1
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	470			464		mg/L				1	5.0

Lab Sample ID: MB 660-224474/1
Matrix: Water
Analysis Batch: 224474

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			05/07/20 07:53	1

Lab Sample ID: LCS 660-224474/2
Matrix: Water
Analysis Batch: 224474

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	10100		mg/L		101	80 - 120		

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

Job ID: 660-101389-1

Method: SM 2540C - Solids, Total Dissolved (TDS)

Lab Sample ID: 660-101927-A-1 DU
Matrix: Water
Analysis Batch: 224474

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	630			640		mg/L				1	5.0

Lab Sample ID: MB 660-224525/1
Matrix: Water
Analysis Batch: 224525

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			05/08/20 08:07	1

Lab Sample ID: LCS 660-224525/2
Matrix: Water
Analysis Batch: 224525

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	9970		mg/L		100	80 - 120		

Lab Sample ID: 660-101956-C-1 DU
Matrix: Water
Analysis Batch: 224525

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	1400			1370		mg/L				2	5.0

GC/MS VOA

Analysis Batch: 223815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total/NA	Water	8260B	
660-101389-2	2MW-25D	Total/NA	Water	8260B	
660-101389-3	2MW-15DA	Total/NA	Water	8260B	
660-101470-1	2MW 24S	Total/NA	Water	8260B	
660-101470-2	2MW 24D	Total/NA	Water	8260B	
660-101470-3	4MW 22	Total/NA	Water	8260B	
660-101471-1	4MW-7	Total/NA	Water	8260B	
660-101471-2	4MW-11D	Total/NA	Water	8260B	
660-101471-3	4MW-23	Total/NA	Water	8260B	
MB 660-223815/6	Method Blank	Total/NA	Water	8260B	
LCS 660-223815/4	Lab Control Sample	Total/NA	Water	8260B	
660-101389-2 MS	2MW-25D	Total/NA	Water	8260B	
660-101389-1 DU	2MW-26D	Total/NA	Water	8260B	

Analysis Batch: 223917

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total/NA	Water	8260B	
MB 660-223917/7	Method Blank	Total/NA	Water	8260B	
LCS 660-223917/5	Lab Control Sample	Total/NA	Water	8260B	
660-101505-C-14 MS	Matrix Spike	Total/NA	Water	8260B	
660-101505-C-15 DU	Duplicate	Total/NA	Water	8260B	

Analysis Batch: 224072

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total/NA	Water	8260B	
660-101616-2	4MW13D	Total/NA	Water	8260B	
660-101616-3	4MW14D	Total/NA	Water	8260B	
MB 660-224072/16	Method Blank	Total/NA	Water	8260B	
LCS 660-224072/13	Lab Control Sample	Total/NA	Water	8260B	
660-101709-S-1 MS	Matrix Spike	Total/NA	Water	8260B	
660-101740-Z-1 DU	Duplicate	Total/NA	Water	8260B	

Analysis Batch: 224139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101617-1	4MW4	Total/NA	Water	8260B	
660-101617-2	4MW8	Total/NA	Water	8260B	
MB 660-224139/6	Method Blank	Total/NA	Water	8260B	
LCS 660-224139/4	Lab Control Sample	Total/NA	Water	8260B	
660-101589-P-18 MS	Matrix Spike	Total/NA	Water	8260B	
660-101589-Q-17 DU	Duplicate	Total/NA	Water	8260B	

Analysis Batch: 224191

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total/NA	Water	8260B	
660-101667-2	2MW19D	Total/NA	Water	8260B	
660-101668-1	4MW5	Total/NA	Water	8260B	
MB 660-224191/6	Method Blank	Total/NA	Water	8260B	
LCS 660-224191/4	Lab Control Sample	Total/NA	Water	8260B	
660-101782-A-3 MS	Matrix Spike	Total/NA	Water	8260B	
660-101782-A-2 DU	Duplicate	Total/NA	Water	8260B	

GC/MS VOA

Analysis Batch: 224380

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total/NA	Water	8260B	
660-101801-1	2MW18D	Total/NA	Water	8260B	
660-101864-1	4MW27	Total/NA	Water	8260B	
660-101865-1	4MW3A	Total/NA	Water	8260B	
660-101865-2	4MW1	Total/NA	Water	8260B	
MB 660-224380/8	Method Blank	Total/NA	Water	8260B	
LCS 660-224380/6	Lab Control Sample	Total/NA	Water	8260B	
660-101783-C-3 MS	Matrix Spike	Total/NA	Water	8260B	
660-101783-C-3 MSD	Matrix Spike Duplicate	Total/NA	Water	8260B	

Analysis Batch: 224426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total/NA	Water	8260B	
660-101915-1	4MW27D	Total/NA	Water	8260B	
MB 660-224426/6	Method Blank	Total/NA	Water	8260B	
LCS 660-224426/4	Lab Control Sample	Total/NA	Water	8260B	
660-101893-E-2 MS	Matrix Spike	Total/NA	Water	8260B	
660-101893-E-1 DU	Duplicate	Total/NA	Water	8260B	

Analysis Batch: 224720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total/NA	Water	8260B	
MB 660-224720/6	Method Blank	Total/NA	Water	8260B	
LCS 660-224720/4	Lab Control Sample	Total/NA	Water	8260B	
660-102118-C-5 MS	Matrix Spike	Total/NA	Water	8260B	
660-101989-1 DU	2MW27D	Total/NA	Water	8260B	

HPLC/IC

Analysis Batch: 614787

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total/NA	Water	300.0-1993 R2.1	
660-101389-2	2MW-25D	Total/NA	Water	300.0-1993 R2.1	
660-101389-3	2MW-15DA	Total/NA	Water	300.0-1993 R2.1	
MB 680-614787/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-614787/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-614787/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-101448-E-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
660-101448-E-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 614828

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-1	2MW 24S	Total/NA	Water	300.0-1993 R2.1	
660-101470-2	2MW 24D	Total/NA	Water	300.0-1993 R2.1	
660-101470-3	4MW 22	Total/NA	Water	300.0-1993 R2.1	
660-101471-1	4MW-7	Total/NA	Water	300.0-1993 R2.1	
660-101471-2	4MW-11D	Total/NA	Water	300.0-1993 R2.1	
660-101471-3	4MW-23	Total/NA	Water	300.0-1993 R2.1	
MB 680-614828/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-614828/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-614828/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	

HPLC/IC (Continued)

Analysis Batch: 614828 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-2 MS	2MW 24D	Total/NA	Water	300.0-1993 R2.1	
660-101470-2 MSD	2MW 24D	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 615431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total/NA	Water	300.0-1993 R2.1	
MB 680-615431/49	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-615431/64	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-615431/65	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-182699-F-3 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-182699-F-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 615659

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total/NA	Water	300.0-1993 R2.1	
660-101616-2	4MW13D	Total/NA	Water	300.0-1993 R2.1	
660-101616-3	4MW14D	Total/NA	Water	300.0-1993 R2.1	
660-101617-1	4MW4	Total/NA	Water	300.0-1993 R2.1	
660-101617-2	4MW8	Total/NA	Water	300.0-1993 R2.1	
MB 680-615659/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-615659/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-615659/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-101589-K-2 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
660-101589-K-2 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 616151

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total/NA	Water	300.0-1993 R2.1	
660-101667-2	2MW19D	Total/NA	Water	300.0-1993 R2.1	
660-101668-1	4MW5	Total/NA	Water	300.0-1993 R2.1	
MB 680-616151/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-616151/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-616151/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
190-22806-A-3 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
190-22806-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 616987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total/NA	Water	300.0-1993 R2.1	
660-101801-1	2MW18D	Total/NA	Water	300.0-1993 R2.1	
MB 680-616987/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-616987/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-616987/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-183163-G-3 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-183163-G-3 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 617303

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101864-1	4MW27	Total/NA	Water	300.0-1993 R2.1	
660-101865-1	4MW3A	Total/NA	Water	300.0-1993 R2.1	
660-101865-2	4MW1	Total/NA	Water	300.0-1993 R2.1	

HPLC/IC (Continued)

Analysis Batch: 617303 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-617303/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-617303/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-617303/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-183263-E-15 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-183263-E-15 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 618000

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total/NA	Water	300.0-1993 R2.1	
660-101915-1	4MW27D	Total/NA	Water	300.0-1993 R2.1	
MB 680-618000/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-618000/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-618000/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-101914-1 MS	4MW21	Total/NA	Water	300.0-1993 R2.1	
660-101914-1 MSD	4MW21	Total/NA	Water	300.0-1993 R2.1	

Analysis Batch: 618145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total/NA	Water	300.0-1993 R2.1	
MB 680-618145/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-618145/3	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-618145/4	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-101989-1 MS	2MW27D	Total/NA	Water	300.0-1993 R2.1	
660-101989-1 MSD	2MW27D	Total/NA	Water	300.0-1993 R2.1	

Metals

Prep Batch: 223565

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total Recoverable	Water	3005A	
660-101389-2	2MW-25D	Total Recoverable	Water	3005A	
660-101389-3	2MW-15DA	Total Recoverable	Water	3005A	
MB 660-223565/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-223565/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101456-C-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101456-C-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 223631

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total Recoverable	Water	6010D	223565
660-101389-2	2MW-25D	Total Recoverable	Water	6010D	223565
660-101389-3	2MW-15DA	Total Recoverable	Water	6010D	223565
MB 660-223565/1-A	Method Blank	Total Recoverable	Water	6010D	223565
LCS 660-223565/2-A	Lab Control Sample	Total Recoverable	Water	6010D	223565
660-101456-C-1-C MS	Matrix Spike	Total Recoverable	Water	6010D	223565
660-101456-C-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	223565

Prep Batch: 223700

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-1	2MW 24S	Total Recoverable	Water	3005A	
660-101470-2	2MW 24D	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 223700 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-3	4MW 22	Total Recoverable	Water	3005A	
660-101471-1	4MW-7	Total Recoverable	Water	3005A	
660-101471-2	4MW-11D	Total Recoverable	Water	3005A	
660-101471-3	4MW-23	Total Recoverable	Water	3005A	
MB 660-223700/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-223700/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101457-A-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101457-A-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 223720

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-1	2MW 24S	Total Recoverable	Water	6010D	223700
660-101470-2	2MW 24D	Total Recoverable	Water	6010D	223700
660-101470-3	4MW 22	Total Recoverable	Water	6010D	223700
660-101471-1	4MW-7	Total Recoverable	Water	6010D	223700
660-101471-2	4MW-11D	Total Recoverable	Water	6010D	223700
660-101471-3	4MW-23	Total Recoverable	Water	6010D	223700
MB 660-223700/1-A	Method Blank	Total Recoverable	Water	6010D	223700
LCS 660-223700/2-A	Lab Control Sample	Total Recoverable	Water	6010D	223700
660-101457-A-1-C MS	Matrix Spike	Total Recoverable	Water	6010D	223700
660-101457-A-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	223700

Prep Batch: 223785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total/NA	Water	7470A	
660-101389-2	2MW-25D	Total/NA	Water	7470A	
660-101389-3	2MW-15DA	Total/NA	Water	7470A	
660-101470-1	2MW 24S	Total/NA	Water	7470A	
660-101470-2	2MW 24D	Total/NA	Water	7470A	
660-101470-3	4MW 22	Total/NA	Water	7470A	
660-101471-1	4MW-7	Total/NA	Water	7470A	
660-101471-2	4MW-11D	Total/NA	Water	7470A	
660-101471-3	4MW-23	Total/NA	Water	7470A	
MB 660-223785/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-223785/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-101389-1 MS	2MW-26D	Total/NA	Water	7470A	
660-101389-1 MSD	2MW-26D	Total/NA	Water	7470A	

Analysis Batch: 223790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total/NA	Water	7470A	223785
660-101389-2	2MW-25D	Total/NA	Water	7470A	223785
660-101389-3	2MW-15DA	Total/NA	Water	7470A	223785
660-101470-1	2MW 24S	Total/NA	Water	7470A	223785
660-101470-2	2MW 24D	Total/NA	Water	7470A	223785
660-101470-3	4MW 22	Total/NA	Water	7470A	223785
660-101471-1	4MW-7	Total/NA	Water	7470A	223785
660-101471-2	4MW-11D	Total/NA	Water	7470A	223785
660-101471-3	4MW-23	Total/NA	Water	7470A	223785
MB 660-223785/13-A	Method Blank	Total/NA	Water	7470A	223785
LCS 660-223785/14-A	Lab Control Sample	Total/NA	Water	7470A	223785

Metals (Continued)

Analysis Batch: 223790 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1 MS	2MW-26D	Total/NA	Water	7470A	223785
660-101389-1 MSD	2MW-26D	Total/NA	Water	7470A	223785

Prep Batch: 223897

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total Recoverable	Water	3005A	
MB 660-223897/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-223897/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101620-H-4-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101620-H-4-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 223937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total/NA	Water	7470A	
MB 660-223937/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-223937/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-101535-1 MS	4MW-9	Total/NA	Water	7470A	
660-101535-1 MSD	4MW-9	Total/NA	Water	7470A	

Analysis Batch: 223941

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total/NA	Water	7470A	223937
MB 660-223937/13-A	Method Blank	Total/NA	Water	7470A	223937
LCS 660-223937/14-A	Lab Control Sample	Total/NA	Water	7470A	223937
660-101535-1 MS	4MW-9	Total/NA	Water	7470A	223937
660-101535-1 MSD	4MW-9	Total/NA	Water	7470A	223937

Prep Batch: 223961

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total Recoverable	Water	3005A	
660-101616-2	4MW13D	Total Recoverable	Water	3005A	
660-101616-3	4MW14D	Total Recoverable	Water	3005A	
660-101617-1	4MW4	Total Recoverable	Water	3005A	
660-101617-2	4MW8	Total Recoverable	Water	3005A	
MB 660-223961/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-223961/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101646-D-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101646-D-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 223966

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total Recoverable	Water	6010D	223897
660-101616-1	4MW12D	Total Recoverable	Water	6010D	223961
660-101616-2	4MW13D	Total Recoverable	Water	6010D	223961
660-101616-3	4MW14D	Total Recoverable	Water	6010D	223961
660-101617-1	4MW4	Total Recoverable	Water	6010D	223961
660-101617-2	4MW8	Total Recoverable	Water	6010D	223961
MB 660-223897/1-A	Method Blank	Total Recoverable	Water	6010D	223897
MB 660-223961/1-A	Method Blank	Total Recoverable	Water	6010D	223961
LCS 660-223897/2-A	Lab Control Sample	Total Recoverable	Water	6010D	223897
LCS 660-223961/2-A	Lab Control Sample	Total Recoverable	Water	6010D	223961

Metals (Continued)

Analysis Batch: 223966 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101620-H-4-C MS	Matrix Spike	Total Recoverable	Water	6010D	223897
660-101620-H-4-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	223897
660-101646-D-1-C MS	Matrix Spike	Total Recoverable	Water	6010D	223961
660-101646-D-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	223961

Prep Batch: 223978

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total/NA	Water	7470A	
660-101616-2	4MW13D	Total/NA	Water	7470A	
660-101616-3	4MW14D	Total/NA	Water	7470A	
660-101617-1	4MW4	Total/NA	Water	7470A	
660-101617-2	4MW8	Total/NA	Water	7470A	
660-101667-1	4MW2	Total/NA	Water	7470A	
660-101667-2	2MW19D	Total/NA	Water	7470A	
660-101668-1	4MW5	Total/NA	Water	7470A	
MB 660-223978/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-223978/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-101541-D-1-C MS	Matrix Spike	Total/NA	Water	7470A	
660-101541-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 223983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total/NA	Water	7470A	223978
660-101616-2	4MW13D	Total/NA	Water	7470A	223978
660-101616-3	4MW14D	Total/NA	Water	7470A	223978
660-101617-1	4MW4	Total/NA	Water	7470A	223978
660-101617-2	4MW8	Total/NA	Water	7470A	223978
660-101667-1	4MW2	Total/NA	Water	7470A	223978
660-101667-2	2MW19D	Total/NA	Water	7470A	223978
660-101668-1	4MW5	Total/NA	Water	7470A	223978
MB 660-223978/13-A	Method Blank	Total/NA	Water	7470A	223978
LCS 660-223978/14-A	Lab Control Sample	Total/NA	Water	7470A	223978
660-101541-D-1-C MS	Matrix Spike	Total/NA	Water	7470A	223978
660-101541-D-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	223978

Prep Batch: 224004

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total Recoverable	Water	3005A	
660-101667-2	2MW19D	Total Recoverable	Water	3005A	
660-101668-1	4MW5	Total Recoverable	Water	3005A	
MB 660-224004/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-224004/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101642-B-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101642-B-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 224011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total Recoverable	Water	6010D	224004
660-101667-2	2MW19D	Total Recoverable	Water	6010D	224004
660-101668-1	4MW5	Total Recoverable	Water	6010D	224004
MB 660-224004/1-A	Method Blank	Total Recoverable	Water	6010D	224004

Metals (Continued)

Analysis Batch: 224011 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 660-224004/2-A	Lab Control Sample	Total Recoverable	Water	6010D	224004
660-101642-B-1-C MS	Matrix Spike	Total Recoverable	Water	6010D	224004
660-101642-B-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	224004

Prep Batch: 224159

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total/NA	Water	7470A	
MB 660-224159/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-224159/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-101800-1 MS	4MW6	Total/NA	Water	7470A	
660-101800-1 MSD	4MW6	Total/NA	Water	7470A	

Analysis Batch: 224164

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total/NA	Water	7470A	224159
MB 660-224159/13-A	Method Blank	Total/NA	Water	7470A	224159
LCS 660-224159/14-A	Lab Control Sample	Total/NA	Water	7470A	224159
660-101800-1 MS	4MW6	Total/NA	Water	7470A	224159
660-101800-1 MSD	4MW6	Total/NA	Water	7470A	224159

Prep Batch: 224174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total Recoverable	Water	3005A	
660-101801-1	2MW18D	Total Recoverable	Water	3005A	
MB 660-224174/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-224174/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101800-1 MS	4MW6	Total Recoverable	Water	3005A	
660-101800-1 MSD	4MW6	Total Recoverable	Water	3005A	

Analysis Batch: 224186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total Recoverable	Water	6010D	224174
660-101801-1	2MW18D	Total Recoverable	Water	6010D	224174
MB 660-224174/1-A	Method Blank	Total Recoverable	Water	6010D	224174
LCS 660-224174/2-A	Lab Control Sample	Total Recoverable	Water	6010D	224174
660-101800-1 MS	4MW6	Total Recoverable	Water	6010D	224174
660-101800-1 MSD	4MW6	Total Recoverable	Water	6010D	224174

Prep Batch: 224271

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101864-1	4MW27	Total Recoverable	Water	3005A	
660-101865-1	4MW3A	Total Recoverable	Water	3005A	
660-101865-2	4MW1	Total Recoverable	Water	3005A	
MB 660-224271/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-224271/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101852-B-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101852-B-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 224340

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101864-1	4MW27	Total Recoverable	Water	6010D	224271

Metals (Continued)

Analysis Batch: 224340 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101865-1	4MW3A	Total Recoverable	Water	6010D	224271
660-101865-2	4MW1	Total Recoverable	Water	6010D	224271
MB 660-224271/1-A	Method Blank	Total Recoverable	Water	6010D	224271
LCS 660-224271/2-A	Lab Control Sample	Total Recoverable	Water	6010D	224271
660-101852-B-1-C MS	Matrix Spike	Total Recoverable	Water	6010D	224271
660-101852-B-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	224271

Prep Batch: 224417

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101801-1	2MW18D	Total/NA	Water	7470A	
660-101864-1	4MW27	Total/NA	Water	7470A	
660-101865-1	4MW3A	Total/NA	Water	7470A	
660-101865-2	4MW1	Total/NA	Water	7470A	
660-101914-1	4MW21	Total/NA	Water	7470A	
660-101915-1	4MW27D	Total/NA	Water	7470A	
MB 660-224417/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-224417/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-101801-1 MS	2MW18D	Total/NA	Water	7470A	
660-101801-1 MSD	2MW18D	Total/NA	Water	7470A	

Analysis Batch: 224422

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101801-1	2MW18D	Total/NA	Water	7470A	224417
660-101864-1	4MW27	Total/NA	Water	7470A	224417
660-101865-1	4MW3A	Total/NA	Water	7470A	224417
660-101865-2	4MW1	Total/NA	Water	7470A	224417
660-101914-1	4MW21	Total/NA	Water	7470A	224417
660-101915-1	4MW27D	Total/NA	Water	7470A	224417
MB 660-224417/13-A	Method Blank	Total/NA	Water	7470A	224417
LCS 660-224417/14-A	Lab Control Sample	Total/NA	Water	7470A	224417
660-101801-1 MS	2MW18D	Total/NA	Water	7470A	224417
660-101801-1 MSD	2MW18D	Total/NA	Water	7470A	224417

Prep Batch: 224423

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total Recoverable	Water	3005A	
660-101915-1	4MW27D	Total Recoverable	Water	3005A	
MB 660-224423/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-224423/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101906-C-6-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101906-C-6-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 224450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total Recoverable	Water	6010D	224423
660-101915-1	4MW27D	Total Recoverable	Water	6010D	224423
MB 660-224423/1-A	Method Blank	Total Recoverable	Water	6010D	224423
LCS 660-224423/2-A	Lab Control Sample	Total Recoverable	Water	6010D	224423
660-101906-C-6-C MS	Matrix Spike	Total Recoverable	Water	6010D	224423
660-101906-C-6-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	224423

Metals

Prep Batch: 224526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total Recoverable	Water	3005A	
MB 660-224526/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 660-224526/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101991-B-1-C MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101991-B-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 224533

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total Recoverable	Water	6010D	224526
MB 660-224526/1-A	Method Blank	Total Recoverable	Water	6010D	224526
LCS 660-224526/2-A	Lab Control Sample	Total Recoverable	Water	6010D	224526
660-101991-B-1-C MS	Matrix Spike	Total Recoverable	Water	6010D	224526
660-101991-B-1-D MSD	Matrix Spike Duplicate	Total Recoverable	Water	6010D	224526

Prep Batch: 224611

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total/NA	Water	7470A	
MB 660-224611/13-A	Method Blank	Total/NA	Water	7470A	
LCS 660-224611/14-A	Lab Control Sample	Total/NA	Water	7470A	
660-101919-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	
660-101919-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

Analysis Batch: 224650

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total/NA	Water	7470A	224611
MB 660-224611/13-A	Method Blank	Total/NA	Water	7470A	224611
LCS 660-224611/14-A	Lab Control Sample	Total/NA	Water	7470A	224611
660-101919-A-1-C MS	Matrix Spike	Total/NA	Water	7470A	224611
660-101919-A-1-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	224611

Prep Batch: 614483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total Recoverable	Water	3005A	
660-101389-2	2MW-25D	Total Recoverable	Water	3005A	
660-101389-3	2MW-15DA	Total Recoverable	Water	3005A	
MB 680-614483/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-614483/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101389-1 MS	2MW-26D	Total Recoverable	Water	3005A	
660-101389-1 MSD	2MW-26D	Total Recoverable	Water	3005A	

Analysis Batch: 614724

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total Recoverable	Water	6020A	614483
660-101389-2	2MW-25D	Total Recoverable	Water	6020A	614483
660-101389-3	2MW-15DA	Total Recoverable	Water	6020A	614483
MB 680-614483/1-A	Method Blank	Total Recoverable	Water	6020A	614483
LCS 680-614483/2-A	Lab Control Sample	Total Recoverable	Water	6020A	614483
660-101389-1 MS	2MW-26D	Total Recoverable	Water	6020A	614483
660-101389-1 MSD	2MW-26D	Total Recoverable	Water	6020A	614483

Metals

Prep Batch: 614851

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-1	2MW 24S	Total Recoverable	Water	3005A	
660-101470-2	2MW 24D	Total Recoverable	Water	3005A	
660-101470-3	4MW 22	Total Recoverable	Water	3005A	
660-101471-1	4MW-7	Total Recoverable	Water	3005A	
660-101471-2	4MW-11D	Total Recoverable	Water	3005A	
660-101471-3	4MW-23	Total Recoverable	Water	3005A	
MB 680-614851/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-614851/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-182664-E-3-B MS	Matrix Spike	Dissolved	Water	3005A	
680-182664-E-3-C MSD	Matrix Spike Duplicate	Dissolved	Water	3005A	

Analysis Batch: 615046

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-1	2MW 24S	Total Recoverable	Water	6020A	614851
660-101470-2	2MW 24D	Total Recoverable	Water	6020A	614851
660-101470-3	4MW 22	Total Recoverable	Water	6020A	614851
660-101471-1	4MW-7	Total Recoverable	Water	6020A	614851
660-101471-2	4MW-11D	Total Recoverable	Water	6020A	614851
660-101471-3	4MW-23	Total Recoverable	Water	6020A	614851
MB 680-614851/1-A	Method Blank	Total Recoverable	Water	6020A	614851
LCS 680-614851/2-A	Lab Control Sample	Total Recoverable	Water	6020A	614851
680-182664-E-3-B MS	Matrix Spike	Dissolved	Water	6020A	614851
680-182664-E-3-C MSD	Matrix Spike Duplicate	Dissolved	Water	6020A	614851

Prep Batch: 615232

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total Recoverable	Water	3005A	
MB 680-615232/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-615232/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101530-D-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101530-D-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 615743

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total Recoverable	Water	6020A	615232
MB 680-615232/1-A	Method Blank	Total Recoverable	Water	6020A	615232
LCS 680-615232/2-A	Lab Control Sample	Total Recoverable	Water	6020A	615232
660-101530-D-4-B MS	Matrix Spike	Total Recoverable	Water	6020A	615232
660-101530-D-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	615232

Prep Batch: 615786

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total Recoverable	Water	3005A	
660-101616-2	4MW13D	Total Recoverable	Water	3005A	
660-101617-1	4MW4	Total Recoverable	Water	3005A	
660-101617-2	4MW8	Total Recoverable	Water	3005A	
MB 680-615786/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-615786/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101624-D-9-B MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101624-D-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Metals

Prep Batch: 615790

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-3	4MW14D	Total Recoverable	Water	3005A	
MB 680-615790/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-615790/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-182903-A-30-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-182903-A-30-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Prep Batch: 616111

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total Recoverable	Water	3005A	
660-101667-2	2MW19D	Total Recoverable	Water	3005A	
660-101668-1	4MW5	Total Recoverable	Water	3005A	
MB 680-616111/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-616111/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101667-1 MS	4MW2	Total Recoverable	Water	3005A	
660-101667-1 MSD	4MW2	Total Recoverable	Water	3005A	

Analysis Batch: 616248

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total Recoverable	Water	6020A	615786
660-101616-2	4MW13D	Total Recoverable	Water	6020A	615786
660-101616-3	4MW14D	Total Recoverable	Water	6020A	615790
660-101617-1	4MW4	Total Recoverable	Water	6020A	615786
660-101617-2	4MW8	Total Recoverable	Water	6020A	615786
MB 680-615786/1-A	Method Blank	Total Recoverable	Water	6020A	615786
MB 680-615790/1-A	Method Blank	Total Recoverable	Water	6020A	615790
LCS 680-615786/2-A	Lab Control Sample	Total Recoverable	Water	6020A	615786
LCS 680-615790/2-A	Lab Control Sample	Total Recoverable	Water	6020A	615790
660-101624-D-9-B MS	Matrix Spike	Total Recoverable	Water	6020A	615786
660-101624-D-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	615786
680-182903-A-30-B MS	Matrix Spike	Total Recoverable	Water	6020A	615790
680-182903-A-30-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	615790

Analysis Batch: 616364

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total Recoverable	Water	6020A	616111
660-101667-2	2MW19D	Total Recoverable	Water	6020A	616111
660-101668-1	4MW5	Total Recoverable	Water	6020A	616111
MB 680-616111/1-A	Method Blank	Total Recoverable	Water	6020A	616111
LCS 680-616111/2-A	Lab Control Sample	Total Recoverable	Water	6020A	616111
660-101667-1 MS	4MW2	Total Recoverable	Water	6020A	616111
660-101667-1 MSD	4MW2	Total Recoverable	Water	6020A	616111

Prep Batch: 616972

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total Recoverable	Water	3005A	
660-101801-1	2MW18D	Total Recoverable	Water	3005A	
MB 680-616972/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-616972/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
660-101744-C-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
660-101744-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Metals

Analysis Batch: 617259

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total Recoverable	Water	6020A	616972
660-101801-1	2MW18D	Total Recoverable	Water	6020A	616972
MB 680-616972/1-A	Method Blank	Total Recoverable	Water	6020A	616972
LCS 680-616972/2-A	Lab Control Sample	Total Recoverable	Water	6020A	616972
660-101744-C-1-B MS	Matrix Spike	Total Recoverable	Water	6020A	616972
660-101744-C-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	616972

Prep Batch: 617434

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101864-1	4MW27	Total Recoverable	Water	3005A	
660-101865-1	4MW3A	Total Recoverable	Water	3005A	
660-101865-2	4MW1	Total Recoverable	Water	3005A	
MB 680-617434/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-617434/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-183264-A-9-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-183264-A-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 617660

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101864-1	4MW27	Total Recoverable	Water	6020A	617434
660-101865-1	4MW3A	Total Recoverable	Water	6020A	617434
660-101865-2	4MW1	Total Recoverable	Water	6020A	617434
MB 680-617434/1-A	Method Blank	Total Recoverable	Water	6020A	617434
LCS 680-617434/2-A	Lab Control Sample	Total Recoverable	Water	6020A	617434
680-183264-A-9-B MS	Matrix Spike	Total Recoverable	Water	6020A	617434
680-183264-A-9-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	617434

Prep Batch: 617856

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total Recoverable	Water	3005A	
660-101915-1	4MW27D	Total Recoverable	Water	3005A	
MB 680-617856/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-617856/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-183403-B-4-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-183403-B-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 617999

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total Recoverable	Water	6020A	617856
660-101915-1	4MW27D	Total Recoverable	Water	6020A	617856
MB 680-617856/1-A	Method Blank	Total Recoverable	Water	6020A	617856
LCS 680-617856/2-A	Lab Control Sample	Total Recoverable	Water	6020A	617856
680-183403-B-4-B MS	Matrix Spike	Total Recoverable	Water	6020A	617856
680-183403-B-4-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	617856

Prep Batch: 618409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total Recoverable	Water	3005A	
MB 680-618409/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-618409/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-183565-A-7-B MS	Matrix Spike	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 618409 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-183565-A-7-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 618669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total Recoverable	Water	6020A	618409
MB 680-618409/1-A	Method Blank	Total Recoverable	Water	6020A	618409
LCS 680-618409/2-A	Lab Control Sample	Total Recoverable	Water	6020A	618409
680-183565-A-7-B MS	Matrix Spike	Total Recoverable	Water	6020A	618409
680-183565-A-7-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	618409

General Chemistry

Analysis Batch: 223416

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total/NA	Water	SM 2540C	
660-101389-2	2MW-25D	Total/NA	Water	SM 2540C	
660-101389-3	2MW-15DA	Total/NA	Water	SM 2540C	
MB 660-223416/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-223416/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101389-2 DU	2MW-25D	Total/NA	Water	SM 2540C	

Analysis Batch: 223551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101471-1	4MW-7	Total/NA	Water	SM 2540C	
660-101471-2	4MW-11D	Total/NA	Water	SM 2540C	
660-101471-3	4MW-23	Total/NA	Water	SM 2540C	
MB 660-223551/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-223551/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101463-A-5 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 223632

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101470-1	2MW 24S	Total/NA	Water	SM 2540C	
660-101470-2	2MW 24D	Total/NA	Water	SM 2540C	
660-101470-3	4MW 22	Total/NA	Water	SM 2540C	
MB 660-223632/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-223632/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101470-1 DU	2MW 24S	Total/NA	Water	SM 2540C	

Analysis Batch: 223705

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total/NA	Water	SM 2540C	
MB 660-223705/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-223705/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101508-A-2 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 223914

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total/NA	Water	SM 2540C	
660-101616-2	4MW13D	Total/NA	Water	SM 2540C	
660-101616-3	4MW14D	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 223914 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101617-1	4MW4	Total/NA	Water	SM 2540C	
MB 660-223914/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-223914/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101587-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 223952

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101617-2	4MW8	Total/NA	Water	SM 2540C	
MB 660-223952/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-223952/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101614-B-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 224003

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101668-1	4MW5	Total/NA	Water	SM 2540C	
MB 660-224003/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-224003/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101658-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 224060

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total/NA	Water	SM 2540C	
660-101667-2	2MW19D	Total/NA	Water	SM 2540C	
MB 660-224060/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-224060/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101682-A-3 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 224183

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total/NA	Water	SM 2540C	
660-101801-1	2MW18D	Total/NA	Water	SM 2540C	
MB 660-224183/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-224183/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101780-R-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 224281

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101864-1	4MW27	Total/NA	Water	SM 2540C	
660-101865-1	4MW3A	Total/NA	Water	SM 2540C	
660-101865-2	4MW1	Total/NA	Water	SM 2540C	
MB 660-224281/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-224281/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101842-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	
660-101865-2 DU	4MW1	Total/NA	Water	SM 2540C	

Analysis Batch: 224474

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total/NA	Water	SM 2540C	
660-101915-1	4MW27D	Total/NA	Water	SM 2540C	
MB 660-224474/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-224474/2	Lab Control Sample	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 224474 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101927-A-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 224525

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total/NA	Water	SM 2540C	
MB 660-224525/1	Method Blank	Total/NA	Water	SM 2540C	
LCS 660-224525/2	Lab Control Sample	Total/NA	Water	SM 2540C	
660-101956-C-1 DU	Duplicate	Total/NA	Water	SM 2540C	

Analysis Batch: 615426

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101389-1	2MW-26D	Total/NA	Water	350.1-1993 R2.0	
660-101389-2	2MW-25D	Total/NA	Water	350.1-1993 R2.0	
660-101389-3	2MW-15DA	Total/NA	Water	350.1-1993 R2.0	
660-101470-1	2MW 24S	Total/NA	Water	350.1-1993 R2.0	
660-101470-2	2MW 24D	Total/NA	Water	350.1-1993 R2.0	
660-101470-3	4MW 22	Total/NA	Water	350.1-1993 R2.0	
660-101471-1	4MW-7	Total/NA	Water	350.1-1993 R2.0	
660-101471-2	4MW-11D	Total/NA	Water	350.1-1993 R2.0	
660-101471-3	4MW-23	Total/NA	Water	350.1-1993 R2.0	
MB 680-615426/25	Method Blank	Total/NA	Water	350.1-1993 R2.0	
MB 680-615426/51	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-615426/24	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCS 680-615426/50	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-101389-1 MS	2MW-26D	Total/NA	Water	350.1-1993 R2.0	
660-101389-1 MSD	2MW-26D	Total/NA	Water	350.1-1993 R2.0	
660-101470-2 MS	2MW 24D	Total/NA	Water	350.1-1993 R2.0	
660-101470-2 MSD	2MW 24D	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 615455

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101535-1	4MW-9	Total/NA	Water	350.1-1993 R2.0	
MB 680-615455/10	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-615455/11	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
680-182474-A-3 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
680-182474-A-3 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 616192

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101616-1	4MW12D	Total/NA	Water	350.1-1993 R2.0	
660-101616-2	4MW13D	Total/NA	Water	350.1-1993 R2.0	
660-101616-3	4MW14D	Total/NA	Water	350.1-1993 R2.0	
660-101617-1	4MW4	Total/NA	Water	350.1-1993 R2.0	
660-101617-2	4MW8	Total/NA	Water	350.1-1993 R2.0	
MB 680-616192/11	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-616192/9	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-101558-K-6 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
660-101558-K-6 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	
660-101617-2 MS	4MW8	Total/NA	Water	350.1-1993 R2.0	
660-101617-2 MSD	4MW8	Total/NA	Water	350.1-1993 R2.0	

General Chemistry

Analysis Batch: 616413

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101667-1	4MW2	Total/NA	Water	350.1-1993 R2.0	
660-101667-2	2MW19D	Total/NA	Water	350.1-1993 R2.0	
660-101668-1	4MW5	Total/NA	Water	350.1-1993 R2.0	
MB 680-616413/10	Method Blank	Total/NA	Water	350.1-1993 R2.0	
MB 680-616413/29	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-616413/11	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
LCS 680-616413/30	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
680-182775-A-1 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
680-182775-A-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 617351

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101800-1	4MW6	Total/NA	Water	350.1-1993 R2.0	
660-101801-1	2MW18D	Total/NA	Water	350.1-1993 R2.0	
MB 680-617351/10	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-617351/9	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-101801-1 MS	2MW18D	Total/NA	Water	350.1-1993 R2.0	
660-101801-1 MSD	2MW18D	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 617633

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101864-1	4MW27	Total/NA	Water	350.1-1993 R2.0	
660-101865-2	4MW1	Total/NA	Water	350.1-1993 R2.0	
MB 680-617633/4	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-617633/5	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-101864-1 MS	4MW27	Total/NA	Water	350.1-1993 R2.0	
660-101864-1 MSD	4MW27	Total/NA	Water	350.1-1993 R2.0	
680-183297-A-9 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
680-183297-A-9 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 617703

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101865-1	4MW3A	Total/NA	Water	350.1-1993 R2.0	
MB 680-617703/10	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-617703/11	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-101882-C-2 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
660-101882-C-2 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 618108

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total/NA	Water	350.1-1993 R2.0	
660-101915-1	4MW27D	Total/NA	Water	350.1-1993 R2.0	
MB 680-618108/1	Method Blank	Total/NA	Water	350.1-1993 R2.0	
LCS 680-618108/2	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-101914-1 MS	4MW21	Total/NA	Water	350.1-1993 R2.0	
660-101914-1 MSD	4MW21	Total/NA	Water	350.1-1993 R2.0	

Analysis Batch: 618309

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101989-1	2MW27D	Total/NA	Water	350.1-1993 R2.0	
MB 680-618309/4	Method Blank	Total/NA	Water	350.1-1993 R2.0	

General Chemistry (Continued)

Analysis Batch: 618309 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-618309/5	Lab Control Sample	Total/NA	Water	350.1-1993 R2.0	
660-101959-N-1 MS	Matrix Spike	Total/NA	Water	350.1-1993 R2.0	
660-101959-N-1 MSD	Matrix Spike Duplicate	Total/NA	Water	350.1-1993 R2.0	

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 2MW-26D

Date Collected: 04/06/20 09:44
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-1

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	223815	04/17/20 12:34	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614787	04/10/20 18:51	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223565	04/10/20 09:57	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223631	04/13/20 10:26	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614483	04/08/20 18:00	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			614724	04/09/20 16:00	BWR	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 21:56	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:16	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223416	04/08/20 07:15	SGF	TAL TAM

Client Sample ID: 2MW-25D

Date Collected: 04/06/20 10:35
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-2

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	223815	04/17/20 13:20	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614787	04/10/20 19:04	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223565	04/10/20 09:57	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223631	04/13/20 10:29	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614483	04/08/20 18:00	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			614724	04/09/20 16:24	BWR	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:03	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:16	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223416	04/08/20 07:15	SGF	TAL TAM

Client Sample ID: 2MW-15DA

Date Collected: 04/06/20 13:54
Date Received: 04/07/20 09:20

Lab Sample ID: 660-101389-3

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	223815	04/17/20 14:29	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614787	04/10/20 19:17	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223565	04/10/20 09:57	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223631	04/13/20 10:32	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614483	04/08/20 18:00	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			614724	04/09/20 16:20	BWR	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:06	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:16	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223416	04/08/20 07:15	SGF	TAL TAM

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 2MW 24S

Date Collected: 04/08/20 09:49
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-1

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	223815	04/17/20 14:51	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614828	04/11/20 17:16	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223700	04/15/20 07:20	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223720	04/15/20 19:49	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614851	04/12/20 11:28	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			615046	04/13/20 20:01	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:11	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:44	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223632	04/13/20 11:25	AJG	TAL TAM

Client Sample ID: 2MW 24D

Date Collected: 04/08/20 10:41
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-2

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	223815	04/17/20 15:14	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614828	04/11/20 16:37	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223700	04/15/20 07:20	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223720	04/15/20 19:52	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614851	04/12/20 11:28	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			615046	04/13/20 19:53	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:18	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:44	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223632	04/13/20 11:25	AJG	TAL TAM

Client Sample ID: 4MW 22

Date Collected: 04/08/20 13:57
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101470-3

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	223815	04/17/20 15:37	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614828	04/11/20 17:41	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223700	04/15/20 07:20	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223720	04/15/20 20:02	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614851	04/12/20 11:28	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			615046	04/13/20 19:57	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:21	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:44	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223632	04/13/20 11:25	AJG	TAL TAM

Client Sample ID: 4MW-7

Date Collected: 04/07/20 10:36
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-1

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	223815	04/17/20 16:00	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614828	04/11/20 17:54	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223700	04/15/20 07:20	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223720	04/15/20 20:05	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614851	04/12/20 11:28	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			615046	04/13/20 20:05	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:24	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:44	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223551	04/10/20 07:52	SGF	TAL TAM

Client Sample ID: 4MW-11D

Date Collected: 04/07/20 12:44
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-2

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	223815	04/17/20 16:23	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614828	04/11/20 18:07	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223700	04/15/20 07:22	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223720	04/15/20 20:08	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614851	04/12/20 11:28	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			615046	04/13/20 19:36	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:26	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:44	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223551	04/10/20 07:52	SGF	TAL TAM

Client Sample ID: 4MW-23

Date Collected: 04/07/20 13:47
Date Received: 04/09/20 09:25

Lab Sample ID: 660-101471-3

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	223815	04/17/20 16:45	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	614828	04/11/20 18:20	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223700	04/15/20 07:22	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223720	04/15/20 20:11	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	614851	04/12/20 11:28	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			615046	04/13/20 19:49	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223785	04/16/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223790	04/16/20 22:29	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615426	04/13/20 13:44	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223551	04/10/20 07:52	SGF	TAL TAM

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 4MW-9

Date Collected: 04/09/20 10:55
Date Received: 04/14/20 10:53

Lab Sample ID: 660-101535-1

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	223917	04/21/20 17:31	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	615431	04/17/20 01:09	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223897	04/20/20 14:00	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223966	04/22/20 10:26	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	615232	04/15/20 12:34	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			615743	04/17/20 14:30	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223937	04/21/20 18:30	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223941	04/21/20 22:43	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	615455	04/16/20 14:08	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223705	04/15/20 08:39	SGF	TAL TAM

Client Sample ID: 4MW12D

Date Collected: 04/14/20 09:55
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-1

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	224072	04/24/20 21:25	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	615659	04/19/20 04:02	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223961	04/22/20 08:51	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223966	04/22/20 22:28	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	615786	04/20/20 12:45	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616248	04/22/20 15:53	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:17	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616192	04/22/20 13:50	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223914	04/21/20 07:50	SGF	TAL TAM

Client Sample ID: 4MW13D

Date Collected: 04/14/20 10:37
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-2

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	224072	04/24/20 21:48	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	615659	04/19/20 04:15	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223961	04/22/20 08:51	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223966	04/22/20 22:31	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	615786	04/20/20 12:45	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616248	04/22/20 15:50	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:20	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616192	04/22/20 13:50	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223914	04/21/20 06:49	SGF	TAL TAM

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 4MW14D

Date Collected: 04/14/20 14:26
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101616-3

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	224072	04/24/20 22:10	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	615659	04/19/20 04:28	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223961	04/22/20 08:51	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223966	04/22/20 22:34	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	615790	04/20/20 13:09	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616248	04/23/20 09:11	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:22	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616192	04/22/20 13:51	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223914	04/21/20 06:49	SGF	TAL TAM

Client Sample ID: 4MW4

Date Collected: 04/15/20 10:25
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101617-1

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	224139	04/28/20 18:34	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	615659	04/19/20 04:40	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223961	04/22/20 08:51	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223966	04/22/20 22:37	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	615786	04/20/20 12:45	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616248	04/22/20 16:04	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:25	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616192	04/22/20 13:51	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223914	04/21/20 06:49	SGF	TAL TAM

Client Sample ID: 4MW8

Date Collected: 04/15/20 14:14
Date Received: 04/16/20 08:38

Lab Sample ID: 660-101617-2

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	224139	04/28/20 18:57	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	615659	04/19/20 04:53	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	223961	04/22/20 08:51	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			223966	04/22/20 22:40	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	615786	04/20/20 12:45	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616248	04/22/20 16:07	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:38	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616192	04/22/20 13:51	ALG	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	223952	04/22/20 07:25	SGF	TAL TAM

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 4MW2

Date Collected: 04/20/20 10:53
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101667-1

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	224191	04/29/20 14:51	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	616151	04/22/20 18:35	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224004	04/23/20 08:07	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224011	04/23/20 15:23	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	616111	04/22/20 12:37	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616364	04/23/20 12:24	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:40	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616413	04/24/20 10:11	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224060	04/24/20 08:02	SGF	TAL TAM

Client Sample ID: 2MW19D

Date Collected: 04/20/20 14:02
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101667-2

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	224191	04/29/20 15:12	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	616151	04/22/20 18:48	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224004	04/23/20 08:07	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224011	04/23/20 15:33	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	616111	04/22/20 12:37	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616364	04/23/20 12:46	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:43	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616413	04/24/20 10:11	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224060	04/24/20 08:02	SGF	TAL TAM

Client Sample ID: 4MW5

Date Collected: 04/16/20 12:34
Date Received: 04/21/20 09:19

Lab Sample ID: 660-101668-1

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	224191	04/29/20 14:30	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	616151	04/22/20 19:01	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224004	04/23/20 08:07	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224011	04/23/20 15:36	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	616111	04/22/20 12:37	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			616364	04/23/20 13:14	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	223978	04/22/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			223983	04/22/20 20:45	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	616413	04/24/20 10:11	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224003	04/23/20 07:48	SGF	TAL TAM

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 4MW6

Date Collected: 04/27/20 13:47
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101800-1

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	224380	05/05/20 14:34	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	616987	04/30/20 02:45	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224174	04/29/20 07:08	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224186	04/29/20 19:06	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	616972	04/29/20 16:11	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			617259	05/01/20 12:14	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224159	04/28/20 16:00	GH1	TAL TAM
Total/NA	Analysis	7470A		1			224164	04/28/20 19:44	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		2	2 mL	2 mL	617351	05/01/20 12:15	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224183	04/29/20 08:04	SGF	TAL TAM

Client Sample ID: 2MW18D

Date Collected: 04/23/20 09:53
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101801-1

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	224380	05/05/20 14:55	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	616987	04/30/20 02:58	UI	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224174	04/29/20 07:08	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224186	04/29/20 19:18	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	616972	04/29/20 16:11	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			617259	05/01/20 12:11	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224417	05/05/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			224422	05/05/20 20:34	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	617351	05/01/20 11:40	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224183	04/29/20 08:04	SGF	TAL TAM

Client Sample ID: 4MW27

Date Collected: 04/29/20 12:02
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101864-1

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	224380	05/05/20 15:16	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	617303	05/02/20 06:10	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224271	05/01/20 06:59	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224340	05/04/20 08:53	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	617434	05/04/20 12:14	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			617660	05/05/20 13:17	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224417	05/05/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			224422	05/05/20 20:42	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	617633	05/05/20 11:57	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224281	05/01/20 08:02	SGF	TAL TAM

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 4MW3A

Date Collected: 04/28/20 09:19
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-1

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	224380	05/05/20 15:37	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	617303	05/02/20 06:23	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224271	05/01/20 06:47	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224340	05/04/20 08:47	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	617434	05/04/20 12:14	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			617660	05/05/20 13:30	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224417	05/05/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			224422	05/05/20 20:44	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	617703	05/05/20 13:57	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224281	05/01/20 08:02	SGF	TAL TAM

Client Sample ID: 4MW1

Date Collected: 04/28/20 12:56
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-2

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	224380	05/05/20 15:58	ECC	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	617303	05/02/20 06:36	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224271	05/01/20 06:47	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224340	05/04/20 08:50	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	617434	05/04/20 12:14	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			617660	05/05/20 13:20	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224417	05/05/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			224422	05/05/20 20:47	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	617633	05/05/20 13:57	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224281	05/01/20 08:02	SGF	TAL TAM

Client Sample ID: 4MW21

Date Collected: 04/30/20 10:35
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101914-1

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	224426	05/06/20 13:09	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	618000	05/08/20 10:48	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224423	05/06/20 06:44	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224450	05/06/20 11:41	GH1	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	617856	05/07/20 09:44	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			617999	05/07/20 17:42	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224417	05/05/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			224422	05/05/20 21:35	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	618108	05/08/20 13:26	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224474	05/07/20 07:53	SGF	TAL TAM

Lab Chronicle

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

Job ID: 660-101389-1

Client Sample ID: 4MW27D

Date Collected: 05/04/20 14:32
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101915-1

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	224426	05/06/20 13:29	K1P	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	618000	05/08/20 11:27	CS	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224423	05/06/20 06:44	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224450	05/06/20 11:44	GH1	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	617856	05/07/20 09:44	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			617999	05/07/20 17:39	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224417	05/05/20 16:05	GH1	TAL TAM
Total/NA	Analysis	7470A		1			224422	05/05/20 21:37	GH1	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	618108	05/08/20 13:26	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224474	05/07/20 07:53	SGF	TAL TAM

Client Sample ID: 2MW27D

Date Collected: 05/05/20 10:00
Date Received: 05/07/20 09:36

Lab Sample ID: 660-101989-1

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	224720	05/15/20 10:37	TGP	TAL TAM
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	618145	05/09/20 22:38	EKB	TAL SAV
Total Recoverable	Prep	3005A			50 mL	50 mL	224526	05/08/20 08:27	GAF	TAL TAM
Total Recoverable	Analysis	6010D		1			224533	05/08/20 14:30	GAF	TAL TAM
Total Recoverable	Prep	3005A			50 mL	250 mL	618409	05/12/20 11:28	AJR	TAL SAV
Total Recoverable	Analysis	6020A		1			618669	05/13/20 20:00	BJB	TAL SAV
Total/NA	Prep	7470A			25 mL	35 mL	224611	05/13/20 06:30	GAF	TAL TAM
Total/NA	Analysis	7470A		1			224650	05/13/20 09:44	GAF	TAL TAM
Total/NA	Analysis	350.1-1993 R2.0		1	2 mL	2 mL	618309	05/11/20 12:24	DR	TAL SAV
Total/NA	Analysis	SM 2540C		1	50 mL	200 mL	224525	05/08/20 08:07	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: 660-101389-1

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
6020A	Metals (ICP/MS)	SW846	TAL SAV
7470A	Mercury (CVAA)	SW846	TAL TAM
350.1-1993 R2.0	Nitrogen, Ammonia	MCAWW	TAL SAV
SM 2540C	Solids, Total Dissolved (TDS)	SM	TAL TAM
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV
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: 660-101389-1
Project/Site: Resource Recovery

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

Pasco 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: 11.6°
I.R. Gun #: ~~19252~~ 19212597
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENU Lab
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA Mulhern
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature) [signature]
6. Report Delivery By: ☐ Mail ☐ Fax ☒ P.U.

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

12.

13. Preservatives	H	N	S	C	C	H	N	
14. Containers	V	P	P	P	P	P	P	

15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg NA	TKN COD	Cl	TDS	NH3	TI	Sample Specific Notes:
1.	AC93437 2MW-26D	4-6-20	9:44		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.	AC93438 2MW-25D	4-6-20	10:35		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
3.	AC93440 2MW-15DA	4-6-20	13:54		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

660-101389 Chain of Custody

Loc: 660
101389

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1. [signature]	4-6-20	15:05	[signature]	4-6-20	1505
2. [signature]	4-7-20	0920	[signature]	4-7-20	0920
3.					
4.					

1.4/1.5 CU-09

PC 4/30/19

Pasco 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 ___

FOR LAB USE ONLY
Temp. of Contents: 11.4 °
I.R. Gun #: 7020263 PIL12306
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENV LAB
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA MULHERN
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☒ Fax ☐ P.U.

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

12. 13. Preservatives: H N N S C C S
14. Containers: V P P P P P P
15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg Na	TI	NH3	Cl	TDS	EPA 353.2	Sample Specific Notes:
1.	AC 93526 2MW 24S	4-8-20	9:49		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	☆ phc2 TA 4-8-20
2.	AC 93527 2MW 24D	4-8-20	10:41		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	☆☆ phc2 TA 4-8-20
3.	AC 93528 4MW 22	4-8-20	13:57		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	☆☆☆ phc2 TA 4-8-20
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

Lot# 000222(13
Lot# 000234(5
Lot# 000234(7
Lot# 000234(8
Lot# 000234(9
Lot# 000234(10

660-101470 Chain of Custody
Loc: 660
101470

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1. [signature]	4-8-20	15:00	[signature]	4-8-20	1500
2. [signature]	4-9-20	925	[signature]	4-9-2020	0925
3.					
4.					

1.2 / 1.3 CV-09

PC 4/30/19

Pasco 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: 11.3 °
I.R. Gun #: 192125970
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENV LAB
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA Mulhern
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY

4. Sampled by: (Print) GREG TORRY

5. Sampled by: (Signature) [signature]

6. Report Delivery By: ☐ Mail ☐ Fax ☑ P.U.

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.

13. Preservatives	H	N	N	S	S	C	C
14. Containers	P	P	P	P	P	P	P

15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg Na	TI	353.2 EPA	NH3	Cl	TDS	Sample Specific Notes:
1.	AC 93473 4MW-7	4-7-20	10:36		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	☆ph<2 TA 4-7-20 Lot# 000023483
2.	AC 93474 4MW-11D	4-7-20	12:44		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	☆☆ph<2 TA 4-7-20 Lot# 000023482
3.	AC 93475 4MW-23	4-7-20	13:47		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	☆☆☆ph<2 TA 4-7-20 Lot# 00002345
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

660-101471 Chain of Custody

Loc: 660
101471

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1. [signature]	4-7-20	15:00	[signature]	4-7-20	1500
2. [signature]	4-9-20	925	[signature]	4-9-2020	0925
3.					
4.			.8/.9 CU-09		

PC 4/30/19

CHAIN OF CUSTODY RECORD

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: 10.2° I.R. Gun #: IR 19212590
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV LAB
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above): CANDIA MULHERN
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☒ P.U.

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	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	12. No. of Containers	13. Preservatives	14. Containers	Analyses Requested: APPENDIX I + Fe Hg 4A **	TH3	NH3	EPA 353.2	TDS	Cl	Sample Specific Notes:
												H	V							
												N	P							
												N	P							
												H	P							
												S	P							
												C	P							
												C	P							
1.	AC 93558 4MW-9	4-9-20	10:55		✓	GW					9			✓	✓	✓	✓	✓	✓	
2.																				
3.																				* Verified PH 2
4.																				LR 4.9.20
5.																				
6.																				
7.																				Sending to Test America 4/14/20
8.																				
9.																				
10.																				

660-101535 Chain of Custody

Loc: 660
101535

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-9-20	15:00		4-9-20	1500
2.	4-14-20	1053		4/14/20	1053
3.					
4.			0.6/0.7	CUOG	

PC 4/30/19

* Preservation verified in Test America Bottles lot # 600223428

** Preservation verified in Test America Bottles lot # 600234822

5/15/2020

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: 12.3° C Received on Ice,(ROI) ☒ YES ☐ NO
I.R. Gun #: 192125970

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV LAB
Sampling Address:
Phone: ( )
City: State Zip Code
Fax: ( )

2. Report to: (if different from above): Candia Mulhern
Mailing Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☐ P.U.

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

12. No. of Containers
13. Preservatives: H | N | N | S | C | C | S
14. Containers: V | P | P | P | P | P | P
15. Analyses Requested: APPENDIX II; Fe Hg Na; T H; NH3; Cl; TDS; NO3

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	Sample Specific Notes:
1.	AC93729 4MW12D	4-14-20	9:55		✓	GW					9	
2.	AC93730 4MW13D	4-14-20	10:37		✓	GW					9	
3.	AC 93731 4MW14D	4-14-20	14:26		✓	GW					9	
4.												
5.												
6.												
7.												
8.												
9.												
10.												

660-101616 Chain of Custody

Loc: 660
101616

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-14-20	15:00		4-14-20	1500
2.	4/16/20	0838		4-16-2020	0838
3.					
4.					

4.2/4.3CV09

PC 4/30/19

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: 13.7 °C Received on Ice,(ROI) ☑ YES ☐ NO
I.R. Gun #: 19212577 0

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENVLab
2. Report to: (if different from above): CLAUDIA MULHERN
3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print): GREG TOMLEY
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☑ P.O.

Sampling Address: | City: | State | Zip Code | Phone: ( ) | Fax: ( )
Mailing Address: | City | State | Zip Code | Phone: ( ) | Fax: ( )

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	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	12. Analyses Requested	13. Preservatives	14. Containers	15.	Sample Specific Notes:
												APPENDIX I	H	V		
												Fe Hg Na	N	P		
												TI	S	P		
												NH3	C	P		
												NO3	C	P		
												TDS				
												Cl				
1.	AC93768 4MW4	4-15-20	10:25		✓	GW					9	✓	✓	✓	✓	
2.	AC93773 4MW8	4-15-20	14:14		✓	GW					9	✓	✓	✓	✓	
3.																Verified PH<2 ER
4.																
5.																
6.																
7.																Sending to Test America 4-16-20
8.																
9.																
10.																

660-101617 Chain of Custody

Loc: 660
101617

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-15-20	15:00		4-15-20	1500
2.	4/16/20	0838		4-16-2020	0838
3.					
4.					

3.0/3.1 COOL

PC 4/30/19

Prepared 350.2, TI & TestAmerica bottles in Lot #-060223822

Page 178 of 219

5/15/2020

Pasco 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: 9.1 °
I.R. Gun #: TA 79202679212596
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENV Lab
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) Candia Mulhern
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: Resource Recovery
4. Sampled by: (Print) Greg Torney
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☒ P.U.

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.

13. Preservatives	H	N	N	S	S	C	C
14. Containers	V	P	P	P	P	P	P

15. Analyses Requested: Appendix I; Fe Hg Na; TI; NH3; ~~NO3~~ 4-20 EPA 3532; 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	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	Appendix I	Fe Hg Na	TI	NH3	~~NO3~~ 4-20 EPA 3532	Cl	TDS	Sample Specific Notes:
1.	AC93937 4mw2	4-20-20	10:53		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.	AC93938 2mw19n	4-20-20	14:02		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			1.2/1.3 CW09

660-101667 Chain of Custody

Loc: 660
101667

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1. [signature]	4-20-20	15:15	[signature]	4-20-20	15:15
2. [signature]	4-21-20	0919	[signature]	4-21-2020	0919
3.					
4.					

PC 4/30/19

Pasco 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: 16.4°
I.R. Gun #: 192125970
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENU LAB
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA MULHERN
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☑ P.U.

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.

13. Preservatives	H	N	N	S	S	C	C
14. Containers	V	P	P	P	P	P	P

15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg NA	TI	NH3	NO3	TDS	Cl	Sample Specific Notes:
1.	AC 93817 4MW5	4-16-20	12:34		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

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

660-101668 Chain of Custody

Loc: 660
101668

1.2/1.3 CU-09

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1. [signature]	4-16-20	13:30	[signature]	4-16-20	1330
2. [signature]	4-21-20	0919	[signature]	4-21-2020	0919
3.					
4.					

PC 4/30/19

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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: 19.5 °C Received on Ice,(ROI) ☒ YES ☐ NO
I.R. Gun #: 19212970

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV LAB
2. Report to: (if different from above): CANDIA MUTTERN
3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print): GREG TORREY
5. Sampled by: (Signature):
6. Report Delivery By: ☐ Mail ☐ Fax ☐ ~~P.U.~~

Sampling Address:
City: State Zip Code
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )
Phone: ( )
Fax: ( )

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	Sample ID / 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	Coliform NA	TH	EPA 353.2	TDS	Cl	NH3	Sample Specific Notes:
												H	N	N	S	C	C	S		
												V	P	P	P	P	P	P		
1.	AC94160 4mw6	4-27-20	13:47		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	✓	✓	
2.																					
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					

660-101800 Chain of Custody

Loc: 660
101800

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-27-20	15:05		4-27-20	15:05
2.	4/28/20	1032		4/28/20	1038
3.					
4.					

2.0/2.0 CU09

PC 4/30/19

Pasco County Environmental Laboratory
8864 Government Drive
New Port Richey, FL 34654
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CHAIN OF CUSTODY RECORD

Page 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 16.7°
I.R. Gun #: 1022 28970
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENULA 1
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA MULHERN
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) Greg Torry
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☐ P.U.

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.
13. Preservatives: H N N
14. Containers: V P P
15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg NA	TI	NH3	EPA 353.2	TDS	Cl	Sample Specific Notes:
1.	AC 94071 2MW18D	4-23-20	9:53		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

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

660-101801 Chain of Custody

Loc: 660
101801

17.	RELINQUISHED BY	DATE	TIME	18.	RECEIVED BY	DATE	TIME
1.	[signature]	4-23-20	15:23		[signature]	4-23-20	15:23
2.	[signature]	4/28/20	1032		[signature]	4/28/20	1032
3.							
4.							

2.0/2.0 CV09

PC 4/30/19

Pasco 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: 15.6 °
I.R. Gun #: 192125976
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENU LAB
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA Mulhern
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) GREG TORREY
5. Sampled by: (Signature) [signature]
6. Report Delivery By: ☐ Mail ☐ Fax ☒ P.U.

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

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	12. No. of Containers	13. Preservatives	14. Containers	15. Analyses Requested: APPENDIX I	Feldg NA	TI	EPA 353.2	NH3	Cl	TDS	Sample Specific Notes:
												H	V	N	P	N	P	S	P	S	
1.	AC94269 4mw 27	4-29-20	12:02		✓	GW					9	✓	✓	✓	✓	✓	✓	✓			
2.																					
3.																					
4.																					
5.																					
6.																					
7.																					
8.																					
9.																					
10.																					

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

660-101864 Chain of Custody

Loc: 660
101864

17.	RELINQUISHED BY	DATE	TIME	18.	RECEIVED BY	DATE	TIME
1.	[signature]	4-29-20	15:10		[signature]	4-29-20	15:10
2.	[signature]	4/30/20	0908		[signature]	4-30-2020	0908
3.							
4.							

4.0/4.0 CVOA

PC 4/30/19

Pasco County Environmental Laboratory
8864 Government Drive
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(727) 847-8902 Fax: (727) 847-8112

CHAIN OF CUSTODY RECORD

Page 1 of 1

FOR LAB USE ONLY
Temp. of Contents: 15.3 °
I.R. Gun #: 192125970
C Received on Ice,(ROI) ☑ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENU Lab
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA Mulhern
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY

4. Sampled by: (Print) GREG TORREY

5. Sampled by: (Signature)

6. Report Delivery By: ☐ Mail ☐ Fax ☑ P.U.

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.	13. Preservatives	H	N	N	S	S	C	C
	14. Containers	V	P	P	P	P	P	P

15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg NA	TI	EPA 353.2	NH3	Cl	TDS	Sample Specific Notes:
1.	AC 94230 4MW3A	4-28-20	9:19		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.	AC 94231 4MW1	4-28-20	12:56		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

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

660-101865 Chain of Custody

Loc: 660
101865

17.	RELINQUISHED BY	DATE	TIME	18.	RECEIVED BY	DATE	TIME
1.	[signature]	4-28-20	14:55		[signature]	~~14:55~~ 4-28-20	14:55
2.	[signature]	4/30/20	0908		[signature]	4-30-2020	0908
3.							
4.							

4.0/4.0 CUDG

PC 4/30/19

Pasco 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: 8.5 °C Received on Ice,(ROI) [X] YES [ ] NO
I.R. Gun #: 192125970

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV Lab
Sampling Address:
Phone: ( )
City: State Zip Code
Fax: ( )

2. Report to: (if different from above): Candia Mullikin
Mailing Address:
Phone: ( )
City State Zip Code
Fax: ( )

3. Client Project Name: Resource Recovery
4. Sampled by: (Print) Greg Torrey
5. Sampled by: (Signature)
6. Report Delivery By: [ ] Mail [ ] Fax [x] P.U.

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 N S S C C
14. Containers: V P P P P P P
15. Analyses Requested: Appendix I; Fe Hg Al; TC; EPA 353.2; 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	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	Sample Specific Notes:
1.	AC 94299 4MW 21	4-30-20	10:35		✓	GW					9	
2.												
3.												
4.												
5.												
6.												
7.												
8.												
9.												
10.												

660-101914 Chain of Custody

Loc: 660
101914

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	4-30-20	14:30		4-30-20	14:30
2.	5-5-20	0943		5-5-2020	0943
3.					
4.			2.6/2.7 CW-07		

PC 4/30/19

Pasco 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: 17.9 °
I.R. Gun #: ~~1920~~ 192125976
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENULAB
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA Mulhern
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY

4. Sampled by: (Print) GREG TORREY

5. Sampled by: (Signature)

6. Report Delivery By: ☐ Mail ☐ Fax ☒ P.U.

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.

13. Preservatives	H	N	N	S	S	C	C
14. Containers	V	P	P	P	P	P	P

15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg Na	TI	EPA 353.2	NH3	Cl	TDS	Sample Specific Notes:
1.	AC 94389 4MW27D	5-4-20	14:32		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

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

660-101915 Chain of Custody
Loc: 660
101915

17.	RELINQUISHED BY	DATE	TIME	18.	RECEIVED BY	DATE	TIME
1.	[signature]	5-4-20	15:08		[signature]	5-4-20	1508
2.	[signature]	5-5-20	0943		[signature]	5-5-2020	0943
3.							
4.					2.6/2.7 cv-09		

PC 4/30/19

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: 17.1 °C Received on Ice, (ROI) ~~YES~~ NO
I.R. Gun #: 19212597D

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual): ENV Lab
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above): CANDIA Mulberry
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) GREG TOTTEY
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☑ P.U.

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	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	12. No. of Containers	13. Preservatives	14. Containers	15. Analyses Requested: Appendix I	Fe Hg Na	TE	EPA 353.2	NH3	Cl	TDS	Sample Specific Notes:
												H	V								
												N	P								
												N	P								
												S	P								
												S	P								
												C	P								
												C	P								
1.	NC94406 2mw27D	5-5-20	10:00		✓	GW					9			✓	✓	✓	✓	✓	✓	✓	
2.																					
3.																					
4.																					
5.																					
6.																					Being Sent to Test American 5-7-20
7.																					
8.																					
9.																					
10.																					

660-101989 Chain of Custody
Loc: 660
101989

17. RELINQUISHED BY	DATE	TIME	18. RECEIVED BY	DATE	TIME
1.	5-5-20	~~5-5-20~~	Laura Rust	5-5-20	1400
2. AMC	5/7/20	936	At Park	5-7-2020	0936
3.					
4.					

2.2/2.3 CW-09

PC 4/30/19

NH3 x EPA 353.2 programmed in Test America bottles lot #0002345172

Nitrate x Nitrite programmed in Test America bottles lot #0002341822

5/15/2020

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: 660-121091.1
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 #: 660-101389-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/13/2020			
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)	6020A/3005A Thallium	300_ORGFM_28D/ Chloride	350.1/ Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
Ac 93437 2MW-26D (660-101389-1)	4/6/20	09:44 Eastern		Water			X	X	X	3	
Ac 93438 2MW-25D (660-101389-2)	4/6/20	10:35 Eastern		Water			X	X	X	3	
Ac 93440 2MW-15DA (660-101389-3)	4/6/20	13:54 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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
Kirsten Sullivan	4/7/20 1524	Eurofins TA	[signature]	4-8-20 900	TA

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.: | Cooler Temperature(s) °C and Other Remarks: 3.0 / 3.4

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: 660-121142.1
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 #: 660-101470-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/15/2020			
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)	6020A/3005A Thallium	300_ORGFM_28D/ Chloride	350.1/ Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC 93526 2MW 24S (660-101470-1)	4/8/20	09:49 Eastern		Water			X	X	X	3	
AC 93527 2MW 24D 24D (660-101470-	4/8/20	10:41 Eastern		Water			X	X	X	3	
AC 93528 4MW 22 (660-101470-3)	4/8/20	13:57 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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	Kristen Sullwood	4/9/20 1452	Eurofins TA		4-10-2020/0910	SA
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: 2.4/2.8

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: 660-121142.1
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 #: 660-101471-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 4/15/2020			
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)	6020A/3005A Thallium	300_ORGFM_28D/ Chloride	350.1/ Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC 93473 4MW-7 (660-101471-1)	4/7/20	10:36 Eastern		Water			X	X	X	3	
AC 93474 4MW-11D (660-101471-2)	4/7/20	12:44 Eastern		Water			X	X	X	3	
AC 93475 4MW-23 (660-101471-3)	4/7/20	13:47 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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
Kiersten Sullivan	4/9/20 1452	Eurofins TA		4-10-2020/0910	Eurofins TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 2.4/2.8

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 America

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-121663.1
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 #: 660-101389-1
Address: 5102 LaRoche Avenue, ,	Due Date Requested: 5/11/2020			
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)	6020A/3005A Thallium	300_ORGFM_28D/ Chloride	350.1/ Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
4MW21 (660-101914-1)	4/30/20	10:35 Eastern		Water			X	X	X	3	
4MW27D (660-101915-1)	5/4/20	14:32 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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]	5-5-2020 @ 1700	ETA	[signature]	5-6-20 950	TA
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: 1.5/1.9

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-101389-1

Login Number: 101389
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: 660-101389-1

Login Number: 101389
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/08/20 11:45 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").	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: 660-101389-1

Login Number: 101470
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: 660-101389-1

Login Number: 101470
List Number: 2
Creator: Mooken, Darmal

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/10/20 04:19 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: 660-101389-1

Login Number: 101471
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: 660-101389-1

Login Number: 101471
List Number: 2
Creator: Mooken, Darmal

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/10/20 04:19 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: 660-101389-1

Login Number: 101535
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: 660-101389-1

Login Number: 101535
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/15/20 10:50 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").	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: 660-101389-1

Login Number: 101616
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: 660-101389-1

Login Number: 101616
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/18/20 12:16 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").	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: 660-101389-1

Login Number: 101617
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: 660-101389-1

Login Number: 101617
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/18/20 12:16 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").	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: 660-101389-1

Login Number: 101667
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: 660-101389-1

Login Number: 101667
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/22/20 11:27 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?	True	
There are no discrepancies between the containers received and the COC.	N/A	
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").	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: 660-101389-1

Login Number: 101668
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: 660-101389-1

Login Number: 101668
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/22/20 11:27 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").	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: 660-101389-1

Login Number: 101800
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: 660-101389-1

Login Number: 101800
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/29/20 10:51 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").	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: 660-101389-1

Login Number: 101801
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: 660-101389-1

Login Number: 101801
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/29/20 10:51 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").	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: 660-101389-1

Login Number: 101864
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: 660-101389-1

Login Number: 101865
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: 660-101389-1

Login Number: 101914
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: 660-101389-1

Login Number: 101914
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/06/20 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").	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: 660-101389-1

Login Number: 101915
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: 660-101389-1

Login Number: 101915
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/06/20 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").	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: 660-101389-1

Login Number: 101989
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: 660-101389-1

Login Number: 101989
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/08/20 12:10 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").	True	
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	28-Apr	1315	49.95	DRY	DRY							GT	ac94232							
2MW2	20-Apr	1010	56.41	DRY	DRY							GT	ac 93936							
2MW3	15-Apr	1150	50.01	DRY	DRY							GT	aac93772							
2MW4	15-Apr	1040	54.77	DRY	DRY							GT	ac 93769							
2MW5	15-Apr	1135	49.17	DRY	DRY							GT	ac 93771							
2MW6	15-Apr	1125	56.11	DRY	DRY							GT	ac 93770							
2MW7	9-Apr	1247	52.75	DRY	DRY							GT	ac 93561							
2MW8	9-Apr	1230	51.97	DRY	DRY							GT	ac 93560							
2MW9	9-Apr	1010	52.29	DRY	DRY							GT	ac 93557							
2MW10	9-Apr	1115	52.63	DRY	DRY							GT	ac 93559							
2MW13D	9-Apr	1315	54.04	DRY	DRY							GT	ac 93562							
2MW15AD	6-Apr	1352	54.71	20.61	34.10	7.43	25.14	288	2.86	0.3	cloudy	GT	ac 93440							
2MW17S	23-Apr	1110	53.42	DRY	DRY							GT	ac 94072							
2MW18D	23-Apr	951	52.75	25	27.75	7.20	24.85	476	2.26	0.2	clear	GT	ac 94071							
2MW19D	20-Apr	1402	52.25	23.59	28.66	7.21	25.98	438	2.72	19.5	cloudy	GT	ac 93938							
2MW24D	9-Apr	1041	50.55	19.45	31.10	7.15	25.98	523	2.98	1.6	clear	GT	ac93527							
2MW24S	8-Apr	949	50.37	19.25	31.12	6.72	25.44	477	3.66	26.1	cloudy	GT	ac93526							
2MW25D	6-Apr	1035	47.87	16.63	28.24	7.13	26.33	639	2.27	13.1	clear	GT	ac93438							
2MW25S	6-Apr	1050	47.84	DRY	DRY							GT	ac93439							
2MW26D	6-Apr	944	54.13	22.51	31.62	7.24	25.40	528	2.88	1.6	clear	GT	ac93437							
2MW26S	6-Apr	921	54.16	DRY	DRY							GT	ac 93436							
2MW27D	5-Apr	1000	50.32	18	32.32	7.24	25.07	691	2.60	3.3	clear	GT	ac 94406							
2MW27S	30-Apr	1230	50.44	DRY	DRY							GT	ac 94301							
4MW1	28-Apr	1256	50.34	16.35	33.99	7.10	25.44	836	2.59	2.6	clear	GT	ac 94231							
4MW2	20-Apr	1053	56.11	21.18	39.93	7.74	24.33	220	1.68	0.6	clear	GT	ac 93937							
4MW3A	28-Apr	919	52.92	23.15	9.77	7.19	23.55	447	2.09	1.3	clear	GT	ac 94230							
4MW4	15-Apr	1025	50.81	23.77	27.04	7.27	25.33	353	3.26	9.6	clear	GT	ac 93768							
4MW5	16-Apr	1234	49.06	20.23	28.83	7.20	23.12	581	1.95	1.3	clear	GT	ac93817							
4MW6	7-Apr	1347	55.93	23.6	32.35	7.93	24.21	156	5.75	3.9	clear	GT	ac 94160							
4MW7	7-Apr	1036	52.62	21.32	31.30	7.27	24.77	362	1.83	0.0	clear	GT	ac93473							

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	15-Apr	1414	51.87	21.05	30.82	7.30	24.36	335	1.80	2.7	clear	GT	ac 93773							
4MW9	9-Apr	1055	52.78	23.00	29.78	7.27	24.70	441	1.69	0.00	clear	GT	ac 93558							
4MW11D	7-Apr	1244	65.00	33.01	31.09	7.35	25.14	367	2.42	0.70	cloudy	GT	ac93474							
4MW12D	14-Apr	955	55.03	24.31	30.72	7.33	25.31	383	3.21	0.0	clear	GT	ac 93729							
4MW13D	14-Apr	1037	52.39	23.85	30.19	7.22	27.50	431	1.79	1.4	clear	GT	ac 93730							
4MW14D	14-Apr	1426	52.00	20.96	31.04	7.37	27.63	385	3.17	1.20	clear	GT	ac 93731							
4MW21	21-Apr	1035	51.46	21.08	30.38	5.43	24.58	135	6.51	3.2	clear	GT	ac 94299							
4MW23	7-Apr	1347	53.69	25.61	29.08	7.24	25.05	538	1.85	0.5	clear	GT	ac 93475							
4MW22	8-Apr	1357	53.44	23.84	29.6	7.08	25.16	457	2.72	0.60	clear	GT	ac 93528							
4MW27	29-Apr	1202	49.60	16.87	32.73	7.59	24.77	276	3.75	1.9	clear	GT	ac 94269							
4MW27D	4-May	1432	49.28	17.2	32.08	7.36	25.92	599	2.95	2.1	clear	GT	ac 94389							

BILLING DATE:		**SAMPLE TIME:**		**MILEAGE:**				
AMBIENT FIELD CONDITIONS								
METER:		**CALIBRATION DATE:**						
PRESERVATIVES		**PURGING EQUIPMENT: Bladder pump and Micro Purge MP-50 QED compressor**						
TYPE	LOT #							

DEP Form FD 9000-24: Groundwater Sampling Log

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 28, 2020

PURGING DATA

WELL DIAMETER(INCHES)	(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"	½"		49.95	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	20.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	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)
1315				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac94232**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2382	SAMPLE ID:	2MW-2	SAMPLE DATE:	April 20, 2020

PURGING DATA

DIAMETER(INCHES)	(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"	½"		56.41	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	20.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	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)
1010				DRY							
			no rain for several weeks								

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93936**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	19671	SAMPLE ID:	2MW-3A	SAMPLE DATE:	April 15, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		50.01	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	13.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1150				DRY							

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/AFFILIATION	GTORREY - Pasco County	**SAMPLER SIGNATURE:**	SAMPLING		SAMPLING	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93772**

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.

DEP Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2383	SAMPLE ID:	2MW-4	SAMPLE DATE:	April 15, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		54.77	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	15.50	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1040				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION								BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH	INTENDED ANAYSIS and/or METHOD	DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93769**

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.

DEP Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2384	SAMPLE ID:	2MW-5	SAMPLE DATE:	April 15, 2020

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"	½"		49.17	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	11.50	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	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)
1135				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93771**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2385	SAMPLE ID:	2MW-6	SAMPLE DATE:	April 15, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		56.11	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	25'	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1125				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED		SAMPLING ENDED AT:	
Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION								BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH	INTENDED ANAYSIS and/or METHOD	DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **ac93770**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2343	SAMPLE ID:	2MW-7	SAMPLE DATE:	April 9, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		52.75	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	15.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1247				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93561**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2344	SAMPLE ID:	2MW-8	SAMPLE DATE:	April 9, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		51.97	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	18.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1230				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: DRY **LAB SAMPLE ID #:ac93560**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2345	SAMPLE ID:	2MW-9	SAMPLE DATE:	April 9, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		52.29	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	11.80	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	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)
1010				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93557**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2346	SAMPLE ID:	2MW-10	SAMPLE DATE:	April 9, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		52.63	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	15.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

PUMP VOL (GAL):		TUBING CAP.(GAL)		TUBING LENGTH ft		FLOW CELLVOL.		1 EQ. VOL. PURGE:	

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	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)
1115				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD:	**DRY**	**LAB SAMPLE ID #:ac93559**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2515	SAMPLE ID:	2MW-13D	SAMPLE DATE:	April 9, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2"	½"		52.39	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	18.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1315				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93562**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	19766	SAMPLE ID:	2MW-15DA	SAMPLE DATE:	April 6, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		54.71	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	44.50	STATIC WATER:	20.61	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	3.82

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1316	1352	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)
1316	0.00	0.00	0.00	20.61	7.43	25.72	292	2.75	0.9	clear	none
1328	4.00	4.00	0.33	20.51	7.44	25.31	284	1.79	10.3	clear	none
1340	4.00	8.00	0.33	20.50	7.44	25.10	286	3.44	1.9	cloudy	none
1352	4.00	12.00	0.33	20.51	7.43	25.14	288	2.86	0.3	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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1354	SAMPLING ENDED AT:	1357

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: 34.10 **LAB SAMPLE ID #:93440**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	19758	SAMPLE ID:	2MW17S	SAMPLE DATE:	April 23, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		53.42	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	20.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1110				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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac94072**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	19759	SAMPLE ID:	2MW18D	SAMPLE DATE:	April 23, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		52.75	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	38.00	STATIC WATER:	25	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	2.08

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0933	0951	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)
0933	0.00	0.00	0.00	25.00	7.31	24.69	490	2.37	8.4	clear	none
0939	2.00	2.00	0.33	25.00	7.21	24.67	477	1.98	2.2	clear	none
0945	2.00	4.00	0.33	25.01	7.21	24.75	473	2.66	4.5	clear	none
0951	2.00	6.00	0.33	25.01	7.20	24.85	476	2.26	0.2	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	953	SAMPLING ENDED AT:	956

Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **27.75** **LAB SAMPLE ID #:ac 94071**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	19764	SAMPLE ID:	2MW19D	SAMPLE DATE:	April 20, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		52.25	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	55.00	STATIC WATER:	23.59	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	5

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1315	1400	15.00

TIME (24 hr)	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED	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)
1315	0.00	0.00	0.00	23.59	7.8	27.35	396	7.15	28.8	cloudy	none
1330	5.00	5.00	0.30	23.61	7.62	26.02	443	4.07	1.8	cloudy	none
1345	5.00	10.00	0.33	23.60	7.28	25.81	444	3.54	5.2	cloudy	none
1400	5.00	15.00	0.33	23.60	7.21	25.98	438	2.72	9.5	cloudy	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1402	SAMPLING ENDED AT:	1405

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **28.66** **LAB SAMPLE ID #:ac 93938**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23443	SAMPLE ID:	2MW-24S	SAMPLE DATE:	April 8, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		50.37	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	55.00	STATIC WATER:	19.25	GALLONS/ FOOT:	0.16	1 WELL VOLUME(gals)=	1.72

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0929	0947	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)
0929	0.00	0.00	0.00	19.25	7.08	25.57	309	6.28	275.0	brown	none
0935	2.00	2.00	0.33	20.28	6.52	25.21	414	3.85	598.0	brown	smells
0941	2.00	4.00	0.33	20.31	6.64	25.29	472	3.06	68.3	cloudy	none
0947	2.00	6.00	0.33	20.37	6.72	25.44	477	3.66	26.1	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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	949	SAMPLING ENDED AT:	952

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **31.12** **LAB SAMPLE ID #:ac93526**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23444	SAMPLE ID:	2MW-24D	SAMPLE DATE:	April 9, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		50.55	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	44.00	STATIC WATER:	19.45	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	10.44

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1003	1039	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)
1003	0.00	0.00	0.00	19.45	6.84	25.49	494	5.06	14.5	clear	none
1015	4.00	4.00	0.33	19.43	7.02	25.82	525	2.62	3.2	clear	none
1027	4.00	8.00	0.33	19.43	7.14	25.86	530	2.56	1.9	clear	none
1039	4.00	12.00	0.33	19.47	7.15	25.88	523	2.98	1.6	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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1041	SAMPLING ENDED AT:	1044

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **31.10** **LAB SAMPLE ID #:ac**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS RD		
WELL NO.	23446	SAMPLE ID:	2MW-25D	SAMPLE DATE:	April 6, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		47.87	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	32.00	STATIC WATER:	16.63	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	2.46

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1015	1021	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)
1015	0.00	0.00	0.00	16.63	7.36	25.41	554	7.33	5.0	clear	none
1021	2.00	2.00	0.33	16.61	7.17	26.08	648	2.43	41.7	cloudy	none
1027	2.00	4.00	0.33	16.53	7.14	26.31	648	2.30	20.8	cloudy	none
1033	2.00	6.00	0.33	16.63	7.13	26.33	639	2.27	13.1	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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1035	SAMPLING ENDED AT:	1038

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **28.24** **LAB SAMPLE ID #:ac93438**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23445	SAMPLE ID:	2MW-25S	SAMPLE DATE:	April 6, 2020

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		47.84	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	17.50	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1050				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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: dry **LAB SAMPLE ID #:93439**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23448	SAMPLE ID:	2MW-26D	SAMPLE DATE:	April 6, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		54.13	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	55.00	STATIC WATER:	22.51	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	5.19

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0857	0942	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)
0857	0.00	0.00	0.00	22.51	7.5	22.82	463	7.21	9.8	clear	none
0912	5.00	5.00	0.33	22.63	7.30	24.86	527	2.26	0.9	clear	none
0927	5.00	10.00	0.33	22.60	7.23	25.06	532	2.44	1.7	clear	none
0942	5.00	15.00	0.33	22.61	7.24	25.40	528	2.88	1.6	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	944	SAMPLING ENDED AT:	947

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **31.62** **LAB SAMPLE ID ac93437**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23447	SAMPLE ID:	2MW-26S	SAMPLE DATE:	April 6, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		54.16	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	23"	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	DRY

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
0009				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac93436**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23449	SAMPLE ID:	2MW-27S	SAMPLE DATE:	April 30, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		50.44	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	21.00	STATIC WATER:	DRY	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	23449

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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)
1230				DRY							

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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:		SAMPLING ENDED AT:	
Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **DRY** **LAB SAMPLE ID #:ac94301**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23450	SAMPLE ID:	2MW- 27D	SAMPLE DATE:	April 5, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		50.32	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	45.30	STATIC WATER:	18	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	4.36

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0921	0957	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)
0921	0.00	0.00	0.00	18.00	7.34	24.53	625	4.3	0.8	clear	none
0933	4.00	4.00	0.33	18.00	7.23	25.02	691	2.28	2.8	clear	none
0945	4.00	8.00	0.33	18.00	7.23	25.04	692	3.10	4.2	clear	none
0957	4.00	12.00	0.33	18.01	7.24	25.07	691	2.60	3.3	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1000	SAMPLING ENDED AT:	1003

Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **32.32** **LAB SAMPLE ID #:ac94406**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2386	SAMPLE ID:	4MW-1	SAMPLE DATE:	April 28, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4"	½"		50.34	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	60.00	STATIC WATER:	16	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	28.37

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1000	1254	84.00

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)
1000	0.00	0.00	0.00	16.35	7.11	24.62	839	2.24	1.3	clear	none
1058	28.00	28.00	0.50	16.41	7.13	25.26	844	2.39	5.2	clear	none
1156	28.00	56.00	0.50	16.41	7.11	25.50	842	2.65	6.9	clear	none
1254	28.00	84.00	0.50	16.43	7.10	25.44	836	2.59	2.6	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1256	SAMPLING ENDED AT:	1300
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **33.99** **LAB SAMPLE ID #:ac94231**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2387	SAMPLE ID:	4MW-2	SAMPLE DATE:	April 20, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4"	½"		56.11	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	69.00	STATIC WATER:	21.18	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	31.08

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0745	1051	93.00

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)
0745	0.00	0.00	0.00	21.18	7.65	24.13	218	5.27	1.7	clear	none
0847	31.00	31.00	0.50	21.22	7.73	23.98	223	2.19	1.3	clear	none
0949	31.00	62.00	0.50	21.20	7.71	23.96	218	2.61	0.7	clear	none
1051	31.00	93.00	0.50	21.21	7.74	24.33	220	1.69	0.6	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1053	SAMPLING ENDED AT:	1056

Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **39.93** **LAB SAMPLE ID #:ac93937**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	19670	SAMPLE ID:	4MW-3A	SAMPLE DATE:	April 28, 2020

PURGING DATA

DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		52.92	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	51.00	STATIC WATER:	23.15	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	4.45

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0841	0917	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)
0841	0.00	0.00	0.00	23.15	7.36	21.43	487	3.22	3.8	clear	none
0853	4.00	4.00	0.33	24.17	7.20	23.02	448	2.31	2.1	clear	none
0905	4.00	8.00	0.33	24.15	7.19	23.27	450	2.07	1.8	clear	none
0917	4.00	12.00	0.33	24.15	7.19	23.55	447	2.09	1.3	clear	none

SAMPLING DATA

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	919	SAMPLING ENDED AT:	922

Pump or tubing depth in wel		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: 29.77 **LAB SAMPLE ID #:ac94230**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2388	SAMPLE ID:	4MW-4	SAMPLE DATE:	April 15, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		50.81	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	50.00	STATIC WATER:	23.77	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	17.04

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0841	1023	51.00

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)
0841	0.00	0.00	0.00	23.77	7.37	24.94	361	6.99	2.1	clear	none
0915	17.00	17.00	0.50	23.78	7.34	25.32	354	3.58	18.6	clear	none
0949	17.00	34.00	0.50	23.77	7.27	25.27	357	3.89	11.7	clear	none
1023	17.00	51.00	0.50	23.77	7.27	25.33	353	3.26	9.6	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1025	SAMPLING ENDED AT:	1028
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **27.04** **LAB SAMPLE ID #:ac93768**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2389	SAMPLE ID:	4MW-5	SAMPLE DATE:	April 16, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		49.06	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	77.00	STATIC WATER:	20.23	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	36.9

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0850	1232	111.00

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)
0850	0.00	0.00	0.00	20.23	7.86	20.49	462	7.29	5.5	clear	none
1004	37.00	37.00	0.50	20.21	7.54	22.83	583	1.95	2.1	clear	none
1118	37.00	74.00	0.50	20.25	7.22	23.07	580	2.63	3.4	clear	none
1232	37.00	111.00	0.50	20.25	7.20	23.12	581	1.95	1.3	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1234	SAMPLING ENDED AT:	1237
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **28.83** **LAB SAMPLE ID #:ac93817**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2390	SAMPLE ID:	4MW-6	SAMPLE DATE:	April 27, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		55.95	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	100.00	STATIC WATER:	23.60	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	49.6

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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	1345	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)
0845	0.00	0.00	0.00	23.60	7.61	23.47	150	7.7	4.7	clear	none
1025	50.00	50.00	0.50	23.61	7.93	23.55	156	5.81	3.9	clear	none
1205	50.00	100.00	0.50	23.60	7.90	23.89	157	6.22	9.8	clear	none
1345	50.00	150.00	0.50	23.60	7.93	24.21	156	5.75	3.9	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1347	SAMPLING ENDED AT:	1350
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD:	**32.35**	**ac94160**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2340	SAMPLE ID:	4MW-7	SAMPLE DATE:	April 7, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		52.62	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	50.00	STATIC WATER:	21.32	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	18.6

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0840	1034	57.00

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)
0840	0.00	0.00	0.00	21.32	7.35	23.65	358	2.08	0.4	clear	none
0918	19.00	19.00	0.50	21.53	7.27	24.36	357	1.88	0.2	clear	none
0956	19.00	38.00	0.50	21.53	7.76	24.68	360	2.12	0.0	clear	none
1034	19.00	57.00	0.50	21.52	7.27	24.77	362	1.83	0.0	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/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1036	SAMPLING ENDED AT:	1039

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **31.30** **LAB SAMPLE ID #:ac93473**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2341	SAMPLE ID:	4MW-8	SAMPLE DATE:	April 15, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		51.87	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	41.00	STATIC WATER:	21.05	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	12.9

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1254	1412	39.00

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)
1254	0.00	0.00	0.00	21.05	7.57	25.68	237	7.45	2.8	clear	none
1320	13.00	13.00	0.50	21.06	7.36	24.61	335	2.35	11.1	clear	none
1346	13.00	26.00	0.50	21.05	7.29	24.30	336	4.40	3.9	clear	none
1412	13.00	39.00	0.50	21.05	7.30	24.36	335	1.80	2.7	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1414	SAMPLING ENDED AT:	1417
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD:	**30.82**	**LAB SAMPLE ID #:ac93773**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2342	SAMPLE ID:	4MW-9	SAMPLE DATE:	April 9, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		52.78	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	51.00	STATIC WATER:	23.00	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	18.20

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0905	1053	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)
0905	0.00	0.00	0.00	23.00	7.38	24.36	440	1.79	0.0	clear	none
0941	18.00	18.00	0.50	23.00	7.29	24.57	439	2.23	0.8	clear	none
1017	18.00	36.00	0.50	23.02	7.29	24.62	442	1.58	0.0	clear	none
1053	18.00	54.00	0.50	23.02	7.27	24.70	441	1.69	0.0	clear	none

SAMPLING DATA

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1055	SAMPLING ENDED AT:	1058
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: 29.78 **LAB SAMPLE ID #:ac93558**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2510	SAMPLE ID:	4MW-11D	SAMPLE DATE:	April 7, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		65.00	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	52.00	STATIC WATER:	33.01	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	3.03

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1215	1242	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)
1215	0.00	0.00	0.00	33.01	7.28	26.55	409	2.99	3.3	cloudy	none
1224	3.00	3.00	0.33	33.02	7.36	25.41	369	3.44	9.2	cloudy	none
1238	3.00	6.00	0.33	33.01	7.35	25.17	367	3.03	1.7	cloudy	none
1242	3.00	9.00	0.33	33.05	7.35	25.14	367	2.42	0.7	cloudy	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1244	SAMPLING ENDED AT:	1247

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **31.99** **LAB SAMPLE ID #:ac93474**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS ROAD		
WELL NO.	2511	SAMPLE ID:	4MW-12D	SAMPLE DATE:	April 14, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		55.03	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	55.00	STATIC WATER:	24.31	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	4.91

INITIAL PUMP OR TUBING DEPTH IN WELL (FEET):	908	PURGING INITIATED AT:	PURGING ENDED AT:	TOTAL VOLUME PURGED (GALLONS):
	923	0923	0953	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)
0908	0.00	0.00	0.00	24.31	7.41	24.92	389	2.09	0.0	clear	none
0923	5.00	5.00	0.33	24.31	7.35	25.27	376	1.99	0.0	clear	none
0938	5.00	10.00	0.33	24.33	7.34	25.30	382	2.72	0.0	clear	none
0953	5.00	15.00	0.33	24.33	7.33	25.31	383	3.21	0.0	clear	none

SAMPLING DATA

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	SAMPLER SIGNATURE:	SAMPLING INITIATED AT:	955	SAMPLING ENDED AT:	958

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION								BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH	INTENDED ANAYSIS and/or METHOD	DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: 30.72 **LAB SAMPLE ID #:ac93729**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	HAYS RD		
WELL NO.	19214	SAMPLE ID:	4MW-13D	SAMPLE DATE:	April 14, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		54.04	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	36.00	STATIC WATER:	23.85	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	1.94

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1017	1035	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)
1017	0.00	0.00	0.00	23.85	7.32	26.72	413	2.93	3.3	clear	none
1023	2.00	2.00	0.33	23.97	7.26	27.39	427	1.61	2.4	clear	none
1029	2.00	4.00	0.33	23.99	7.21	27.46	429	2.39	2.7	clear	none
1035	2.00	6.00	0.33	24.07	7.22	27.50	431	1.79	1.4	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1037	SAMPLING ENDED AT:	1040

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD:	**30.19**	**LAB SAMPLE ID #:ac93730**

ac93730

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	2512	SAMPLE ID:	4MW-14D	SAMPLE DATE:	April 14, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		52.00	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	50.00	STATIC WATER:	20.96	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	4.64

4.64

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):
		1339	1424	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)
1339	0.00	0.00	0.00	20.96	7.36	27.61	390	3.25	0.8	clear	none
1354	5.00	5.00	0.33	21.20	7.38	27.67	386	2.50	2.6	clear	none
1409	5.00	10.00	0.33	21.20	7.35	27.66	386	2.84	2.3	clear	none
1424	5.00	15.00	0.33	21.22	7.37	27.63	385	3.17	1.2	clear	none

SAMPLING DATA

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1426	SAMPLING ENDED AT:	1429
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **31.04** **LAB SAMPLE ID #:ac93731**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23065	SAMPLE ID:	4MW-21	SAMPLE DATE:	April 29, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		51.46	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	43.00	STATIC WATER:	21.08	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	3.5

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0955	1032	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)
0955	0.00	0.00	0.00	21.08	7.24	24.39	210	5.94	3.1	clear	none
1007	4.00	4.00	0.33	21.07	6.44	24.26	135	6.76	7.8	clear	none
1019	4.00	8.00	0.33	21.07	5.56	24.44	135	6.45	5.7	clear	none
1032	4.00	12.00	0.33	21.07	5.43	24.58	135	6.51	3.2	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1035	SAMPLING ENDED AT:	1038
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **30.38** **LAB SAMPLE ID #:ac94299**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23066	SAMPLE ID:	4MW-22	SAMPLE DATE:	April 8, 2020

PURGING DATA

WELL DIAMETER(INCHES)	(INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
2	½"		53.44	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	48.00	STATIC WATER:	23.84	GALLONS / FOOT:	0.16	1 WELL VOLUME(gals)=	3.86

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1319	1355	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)
1319	0.00	0.00	0.00	23.84	7.39	25.69	349	7.32	8.1	clear	none
1331	4.00	4.00	0.33	23.83	7.23	25.19	461	3.22	3.2	clear	none
1343	4.00	8.00	0.33	23.85	7.10	24.98	462	2.88	0.7	clear	none
1355	4.00	12.00	0.33	23.85	7.08	25.16	457	2.72	0.6	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1357	SAMPLING ENDED AT:	1400

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: **29.60** **LAB SAMPLE ID #:ac ac93528**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	**23067**	SAMPLE ID:	4MW-23	SAMPLE DATE:	April 7, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NAVD)	PUMP TYPE OR BAILER:
2"	½"	38' 53'	54.69	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	53.00	STATIC WATER:		GALLONS/ FOOT:	0.16	1 WELL VOLUME(gals)=	4.38

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		1309	1345	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)
1309	0.00	0.00	0.00	25.61	7.9	27.13	573	4.91	3.3	clear	none
1321	4.00	4.00	0.33	25.63	7.72	25.21	529	3.78	22.7	clear	none
1333	4.00	8.00	0.33	25.61	7.28	25.12	539	1.65	4.4	clear	none
1345	4.00	12.00	0.33	25.62	7.24	25.05	538	1.85	0.5	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

SAMPLING DATA

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	SAMPLER SIGNATURE:	SAMPLING INITIATED AT:	1347	SAMPLING ENDED AT:	1350
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
FIELD DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE	NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: 29.08 LAB SAMPLE ID #:ac 93475

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23452	SAMPLE ID:	4MW-27D	SAMPLE DATE:	April 5, 2020

PURGING DATA

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		49.28	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	156.00	STATIC WATER:	18	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	4.36

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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):
		0921	0957	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)
0921	0.00	0.00	0.00	18.00	7.34	24.53	625	4.3	0.8	clear	none
0933	4.00	4.00	0.33	18.00	7.23	25.02	691	2.28	2.8	clear	none
0945	4.00	8.00	0.33	18.10	7.23	25.04	692	3.10	8.2	clear	none
0957	4.00	12.00	0.33	18.10	7.24	25.07	691	2.60	3.3	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

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	SAMPLER SIGNATURE:	SAMPLING INITIATED AT:	1000	SAMPLING ENDED AT:	1003
Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:		PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):		DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: 32.32 **LAB SAMPLE ID #:ac 94406**

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 Form FD 9000-24: Groundwater Sampling Log

GROUNDWATER SAMPLING DATA SHEET - PASCO COUNTY UTILITIES ENVIRONMENTAL LAB

SITE NAME:	RESOURCE RECOVERY	SITE LOCATION:	Hays Rd.		
WELL NO.	23451	SAMPLE ID:	4MW-27	SAMPLE DATE:	April 29, 2020

WELL DIAMETER(INCHES)	TUBING DIAM (INCHES)	WELL SCREEN INTERVAL DEPTH: ft to ft	TOP Elevation (NGVD)	PUMP TYPE OR BAILER:
4	½"		49.60	BP

WELL VOLUME PURGE: 1 WELL VOL.= (TWD-STATIC DEPTH TO WATER) X WELL CAPACITY

TWD(ft):	78.00	STATIC WATER:	16.87	GALLONS / FOOT:	0.65	1 WELL VOLUME(gals)=	39.7

EQUIPMENT VOLUME PURGE (only fill out if applicable)

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	16.87	7.57	23.26	275	5.66	22.5	cloudy	none
0920	40.00	40.00	0.50	16.91	7.70	24.48	274	3.19	2.6	clear	none
1040	40.00	80.00	0.50	16.90	7.61	24.65	274	3.18	1.8	clear	none
1200	40.00	120.00	0.50	16.90	7.59	24.77	276	3.25	1.9	clear	none

SAMPLING DATA

SAMPLED BY/AFFILIATION	GTORREY - Pasco County Environmental Laboratory	**SAMPLER SIGNATURE:**	SAMPLING INITIATED AT:	1202	SAMPLING ENDED AT:	1205

Pump or tubing depth in well		RATE (ML/MIN.):		TUBING MATERIAL CODE:	PE/T
DECONTAMINATION:	NO	FIELD FILTERED:	NO	FILTER SIZE (UM):	DUPLICATE: NO

SAMPLE CONTAINER SPECIFICATION AND PRESERVATION							INTENDED ANAYSIS and/or METHOD	BOTTLE		EQUIP. CODE:
Sample ID;	# of Conts.	Material Code	Volume	Preservative	mls Added	FINAL PH		DATE	SERIES	
	1	HDPE	1 Liter	Wet Ice	None		SM2540C - TDS	Eurofins Bottle		BP
	1	HDPE	250 mls	Wet Ice	None		Chlorides	Eurofins Bottle		BP
	2	HDPE	250 mls	H2SO4	2.0 1:1	<2	Ammonia/; NO3	Eurofins Bottle		BP
	1	HDPE	250 mls	HNO3	2.5/1:4	<2	App I Metals Fe, Hg, Na	Eurofins Bottle		BP
	3	CG	40 mls	HCl	.25/1:1	<2	App I VOCs	Eurofins Bottle		BP
	3	CG	40 mls	Wet Ice	None		8011-EDB, DBCP	Eurofins Bottle		BP

NGVD: 32.73 **LAB SAMPLE ID #:ac 94269**

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)

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ANALYTICAL REPORT

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

Laboratory Job ID: 660-101801-1
Client Project/Site: Resource Recovery

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

Attn: Candia E Mulhern

Amy Weinberg

Authorized for release by:
6/15/2020 4:11:34 PM
Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@testamericainc.com

Designee for

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

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Detection Summary 4
Case Narrative 5
Definitions/Glossary 6
Client Sample Results 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Method Summary 11
Certification Summary 12
Chain of Custody 13
Receipt Checklists 15

Sample Summary

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

Job ID: 660-101801-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-101801-1	2MW18D	Water	04/23/20 09:53	04/28/20 10:32	

Detection Summary

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

Job ID: 660-101801-1

Client Sample ID: 2MW18D **Lab Sample ID: 660-101801-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Case Narrative

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

Job ID: 660-101801-1

Job ID: 660-101801-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-101801-1

Comments
No additional comments.

Receipt
The sample was received on 4/28/2020 10:32 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.0º C.

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

Definitions/Glossary

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

Job ID: 660-101801-1

Qualifiers

Metals

Qualifier	Qualifier Description
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)
MQL	Method Quantitation Limit
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 Sample Results

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

Job ID: 660-101801-1

Client Sample ID: 2MW18D

Date Collected: 04/23/20 09:53
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101801-1

Matrix: Water

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	U	5.0	0.50	ug/L		06/11/20 16:34	06/12/20 17:17	1

QC Sample Results

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

Job ID: 660-101801-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-622205/1-A
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	U	5.0	0.50	ug/L		06/11/20 16:34	06/12/20 16:16	1

Lab Sample ID: LCS 680-622205/2-A
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	56.4		ug/L		113	80 - 120

Lab Sample ID: 680-184708-A-23-B MS
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.50	U	50.0	57.4		ug/L		115	75 - 125

Lab Sample ID: 680-184708-A-23-C MSD
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.50	U	50.0	60.6		ug/L		121	75 - 125	5	20

QC Association Summary

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

Job ID: 660-101801-1

Metals

Prep Batch: 622205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101801-1	2MW18D	Total Recoverable	Water	3005A	
MB 680-622205/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-622205/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-184708-A-23-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-184708-A-23-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 622465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101801-1	2MW18D	Total Recoverable	Water	6020A	622205
MB 680-622205/1-A	Method Blank	Total Recoverable	Water	6020A	622205
LCS 680-622205/2-A	Lab Control Sample	Total Recoverable	Water	6020A	622205
680-184708-A-23-B MS	Matrix Spike	Total Recoverable	Water	6020A	622205
680-184708-A-23-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	622205

Lab Chronicle

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

Job ID: 660-101801-1

Client Sample ID: 2MW18D

Date Collected: 04/23/20 09:53
Date Received: 04/28/20 10:32

Lab Sample ID: 660-101801-1

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	250 mL	622205	06/11/20 16:34	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			622465	06/12/20 17:17	BJB	TAL SAV

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

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

Job ID: 660-101801-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV

Protocol References:

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

Accreditation/Certification Summary

Client: Pasco Co Board of Commissioners
Job ID: 660-101801-1
Project/Site: Resource Recovery

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

Pasco 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: 16.7°
I.R. Gun #: 1022 28970
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENULA 1
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA MULHERN
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY
4. Sampled by: (Print) Greg Torry
5. Sampled by: (Signature)
6. Report Delivery By: ☐ Mail ☐ Fax ☐ P.U.

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.
13. Preservatives: H N N
14. Containers: V P P
15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg NA	TI	NH3	EPA 353.2	TDS	Cl	Sample Specific Notes:
1.	AC 94071 2MW18D	4-23-20	9:53		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.																			
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

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

660-101801 Chain of Custody

Loc: 660
101801

17.	RELINQUISHED BY	DATE	TIME	18.	RECEIVED BY	DATE	TIME
1.	[signature]	4-23-20	15:23		[signature]	4-23-20	15:23
2.	[signature]	4/28/20	1032		[signature]	4/28/20	1032
3.							
4.							

2.0/2.0 CV09

PC 4/30/19

Chain of Custody Record

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Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-121499.1
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 #: 660-101801-1
Address: 5102 LaRoche Avenue, .	Due Date Requested: 5/4/2020			
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)	6020A/3005A Thallium	300_ORGFM_28D/ Chloride	350.1/ Ammonia	351.2/Digest_P_HotBlk TKN	5220D/ COD	Total Number of containers	Special Instructions/Note:
			Preservation Code:										
AC 94071 2MW18D (660-101801-1)	4/23/20	09:53 Eastern		Water			X	X	X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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]	4/28/20 1503	TA	[signature]	4-29-20 925	TA
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: 3.9/4.3

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-101801-1

Login Number: 101801
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: 660-101801-1

Login Number: 101801
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 04/29/20 10:51 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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

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ANALYTICAL REPORT

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

Laboratory Job ID: 660-101865-1
Client Project/Site: Resource Recovery

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

Attn: Candia E Mulhern

Amy Weinberg

Authorized for release by:
6/15/2020 4:12:42 PM
Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@testamericainc.com

Designee for

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

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Detection Summary 4
Case Narrative 5
Definitions/Glossary 6
Client Sample Results 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Method Summary 11
Certification Summary 12
Chain of Custody 13
Receipt Checklists 15

Sample Summary

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

Job ID: 660-101865-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-101865-1	4MW3A	Water	04/28/20 09:19	04/30/20 09:08	

Detection Summary

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

Job ID: 660-101865-1

Client Sample ID: 4MW3A **Lab Sample ID: 660-101865-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Case Narrative

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

Job ID: 660-101865-1

Job ID: 660-101865-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-101865-1

Comments
No additional comments.

Receipt
The samples were received on 4/30/2020 9:08 AM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 4.0º C.

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

Definitions/Glossary

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

Job ID: 660-101865-1

Qualifiers

Metals

Qualifier	Qualifier Description
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)
MQL	Method Quantitation Limit
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 Sample Results

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

Job ID: 660-101865-1

Client Sample ID: 4MW3A
Date Collected: 04/28/20 09:19
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-1
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	U	5.0	0.50	ug/L		06/11/20 16:34	06/12/20 17:19	1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-622205/1-A
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	U	5.0	0.50	ug/L		06/11/20 16:34	06/12/20 16:16	1

Lab Sample ID: LCS 680-622205/2-A
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	56.4		ug/L		113	80 - 120

Lab Sample ID: 680-184708-A-23-B MS
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.50	U	50.0	57.4		ug/L		115	75 - 125

Lab Sample ID: 680-184708-A-23-C MSD
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.50	U	50.0	60.6		ug/L		121	75 - 125	5	20

QC Association Summary

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

Job ID: 660-101865-1

Metals

Prep Batch: 622205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101865-1	4MW3A	Total Recoverable	Water	3005A	
MB 680-622205/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-622205/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-184708-A-23-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-184708-A-23-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 622465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101865-1	4MW3A	Total Recoverable	Water	6020A	622205
MB 680-622205/1-A	Method Blank	Total Recoverable	Water	6020A	622205
LCS 680-622205/2-A	Lab Control Sample	Total Recoverable	Water	6020A	622205
680-184708-A-23-B MS	Matrix Spike	Total Recoverable	Water	6020A	622205
680-184708-A-23-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	622205

Lab Chronicle

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

Job ID: 660-101865-1

Client Sample ID: 4MW3A

Date Collected: 04/28/20 09:19
Date Received: 04/30/20 09:08

Lab Sample ID: 660-101865-1

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	250 mL	622205	06/11/20 16:34	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			622465	06/12/20 17:19	BJB	TAL SAV

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

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

Job ID: 660-101865-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV

Protocol References:

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

Accreditation/Certification Summary

Client: Pasco Co Board of Commissioners
Job ID: 660-101865-1
Project/Site: Resource Recovery

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

Pasco 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: 15.3 °
I.R. Gun #: 192125970
C Received on Ice,(ROI) ☑ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENU Lab
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA Mulhern
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY

4. Sampled by: (Print) GREG TORREY

5. Sampled by: (Signature)

6. Report Delivery By: ☐ Mail ☐ Fax ☑ P.U.

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.

13. Preservatives	H	N	N	S	S	C	C
14. Containers	V	P	P	P	P	P	P

15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg NA	TI	EPA 353.2	NH3	Cl	TDS	Sample Specific Notes:
1.	AC 94230 4MW3A	4-28-20	9:19		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
2.	AC 94231 4MW1	4-28-20	12:56		✓	GW					9	✓	✓	✓	✓	✓	✓	✓	
3.																			
4.																			
5.																			
6.																			
7.																			
8.																			
9.																			
10.																			

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

660-101865 Chain of Custody

Loc: 660
101865

17.	RELINQUISHED BY	DATE	TIME	18.	RECEIVED BY	DATE	TIME
1.	[signature]	4-28-20	14:55		[signature]	~~14:55~~ 4-28-20	14:55
2.	[signature]	4/30/20	0908		[signature]	4-30-2020	0908
3.							
4.							

4.0/4.0 CUDG

PC 4/30/19

Chain of Custody Record

eurofins | Environment Testing TestAmerica

Client Information (Sub Contract Lab)	Sampler:	Lab PM: Hornsby, Jess	Carrier Tracking No(s):	COC No: 660-121555.1
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 #: 660-101865-1
Address: 5102 LaRoche Avenue,	Due Date Requested: 5/6/2020			
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)	6020A/3005A Thallium	300_ORGFM_28D/ Chloride	350.1/ Ammonia	Total Number of containers	Special Instructions/Note:
			Preservation Code:								
AC94230 4MW3A (660-101865-1)	4/28/20	09:19 Eastern		Water			X	X	X	3	
AC 94231 4MW1 (660-101865-2)	4/28/20	12:56 Eastern		Water			X	X	X	3	

Note: Since laboratory accreditations are subject to change, Eurofins TestAmerica 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 Eurofins TestAmerica laboratory or other instructions will be provided. Any changes to accreditation status should be brought to Eurofins TestAmerica attention immediately. If all requested accreditations are current to date, return the signed Chain of Custody attesting to said complicance to Eurofins TestAmerica.

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]	4.30.2020 @ 1700	ETA	[signature]	5-1-20 940	TA
2						
3						

Custody Seals Intact: ∆ Yes ∆ No	Custody Seal No.:	Cooler Temperature(s) °C and Other Remarks: 0.8/1.2

Ver: 01/16/2019

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-101865-1

Login Number: 101865
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	

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 660-101914-1
Client Project/Site: Resource Recovery

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

Attn: Candia E Mulhern

Amy Weinberg

Authorized for release by:
6/15/2020 4:14:50 PM
Amy Weinberg, Project Manager II
(813)885-7427
amy.weinberg@testamericainc.com

Designee for

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

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Table of Contents

Cover Page 1
Table of Contents 2
Sample Summary 3
Detection Summary 4
Case Narrative 5
Definitions/Glossary 6
Client Sample Results 7
QC Sample Results 8
QC Association Summary 9
Lab Chronicle 10
Method Summary 11
Certification Summary 12
Chain of Custody 13
Receipt Checklists 14

Sample Summary

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

Job ID: 660-101914-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Asset ID
660-101914-1	4MW21	Water	04/30/20 10:35	05/05/20 09:43	

Detection Summary

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

Job ID: 660-101914-1

Client Sample ID: 4MW21 **Lab Sample ID: 660-101914-1**

No Detections.

This Detection Summary does not include radiochemical test results.

Case Narrative

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

Job ID: 660-101914-1

Job ID: 660-101914-1

Laboratory: Eurofins TestAmerica, Tampa

Narrative

Job Narrative
660-101914-1

Comments
No additional comments.

Receipt
The sample was received on 5/5/2020 9:43 AM; the sample arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 2.7º C.

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

Definitions/Glossary

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

Job ID: 660-101914-1

Qualifiers

Metals

Qualifier	Qualifier Description
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)
MQL	Method Quantitation Limit
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 Sample Results

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

Job ID: 660-101914-1

Client Sample ID: 4MW21
Date Collected: 04/30/20 10:35
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101914-1
Matrix: Water

Method: 6020A - Metals (ICP/MS) - Total Recoverable

Analyte	Result	Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	U	5.0	0.50	ug/L		06/11/20 16:34	06/12/20 17:22	1

QC Sample Results

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

Job ID: 660-101914-1

Method: 6020A - Metals (ICP/MS)

Lab Sample ID: MB 680-622205/1-A
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	MB Result	MB Qualifier	PQL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.50	U	5.0	0.50	ug/L		06/11/20 16:34	06/12/20 16:16	1

Lab Sample ID: LCS 680-622205/2-A
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	50.0	56.4		ug/L		113	80 - 120

Lab Sample ID: 680-184708-A-23-B MS
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Matrix Spike
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.50	U	50.0	57.4		ug/L		115	75 - 125

Lab Sample ID: 680-184708-A-23-C MSD
Matrix: Water
Analysis Batch: 622465

Client Sample ID: Matrix Spike Duplicate
Prep Type: Total Recoverable
Prep Batch: 622205

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Antimony	0.50	U	50.0	60.6		ug/L		121	75 - 125	5	20

QC Association Summary

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

Job ID: 660-101914-1

Metals

Prep Batch: 622205

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total Recoverable	Water	3005A	
MB 680-622205/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-622205/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-184708-A-23-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-184708-A-23-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

Analysis Batch: 622465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
660-101914-1	4MW21	Total Recoverable	Water	6020A	622205
MB 680-622205/1-A	Method Blank	Total Recoverable	Water	6020A	622205
LCS 680-622205/2-A	Lab Control Sample	Total Recoverable	Water	6020A	622205
680-184708-A-23-B MS	Matrix Spike	Total Recoverable	Water	6020A	622205
680-184708-A-23-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020A	622205

Lab Chronicle

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

Job ID: 660-101914-1

Client Sample ID: 4MW21

Date Collected: 04/30/20 10:35
Date Received: 05/05/20 09:43

Lab Sample ID: 660-101914-1

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	250 mL	622205	06/11/20 16:34	BCB	TAL SAV
Total Recoverable	Analysis	6020A		1			622465	06/12/20 17:22	BJB	TAL SAV

Laboratory References:

TAL SAV = Eurofins TestAmerica, Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Method Summary

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

Job ID: 660-101914-1

Method	Method Description	Protocol	Laboratory
6020A	Metals (ICP/MS)	SW846	TAL SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL SAV

Protocol References:

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

Accreditation/Certification Summary

Client: Pasco Co Board of Commissioners
Job ID: 660-101914-1
Project/Site: Resource Recovery

Laboratory: Eurofins TestAmerica, Tampa

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E84282	06-30-20

Laboratory: Eurofins TestAmerica, Savannah

The accreditations/certifications listed below are applicable to this report.

Authority	Program	Identification Number	Expiration Date
Florida	NELAP	E87052	06-30-20

Pasco 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: 8.5 °
I.R. Gun #: 192125970
C Received on Ice,(ROI) ☒ YES ☐ NO

FOR LAB USE ONLY
LOG IN NO.

1. Client: (Company or Individual) ENV Lab
Sampling Address:
City: State Zip Code
Phone: ( )
Fax: ( )

2. Report to: (if different from above) CANDIA MULHERN
Mailing Address:
City State Zip Code
Phone: ( )
Fax: ( )

3. Client Project Name: RESOURCE RECOVERY

4. Sampled by: (Print) GREG TORREY

5. Sampled by: (Signature) [signature]

6. Report Delivery By: ☐ Mail ☐ Fax ☑ P.U.

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.

13. Preservatives	H	N	N	S	S	C	C
14. Containers	V	P	P	P	P	P	P

15. Analyses Requested

Item	Sample ID / Description	9. Sample Date	Sample Time	10. Comp.	Grab	11. Water (Codes)	Leachate	Soil	Sludge	Other	No. of Containers	APPENDIX I	Fe Hg NA	TI	EPA 353.2	NH3	Cl	TDS		Sample Specific Notes:
1.	AC 94299 4MW 21	4-30-20	10:35		✓	GW					9	✓	✓	✓	✓	✓	✓	✓		
2.																				
3.																				
4.																				
5.																				
6.																				
7.																				
8.																				
9.																				
10.																				

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

660-101914 Chain of Custody

Loc: 660
101914

17.	RELINQUISHED BY	DATE	TIME	18.	RECEIVED BY	DATE	TIME
1.	[signature]	4-30-20	14:30		[signature]	4-30-20	14:30
2.	[signature]	5-5-20	0943		[signature]	5-5-2020	0943
3.							
4.					2.6/2.7 CU-09		

PC 4/30/19

Login Sample Receipt Checklist

Client: Pasco Co Board of Commissioners

Job Number: 660-101914-1

Login Number: 101914
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: 660-101914-1

Login Number: 101914
List Number: 2
Creator: Sims, Robert D

List Source: Eurofins TestAmerica, Savannah
List Creation: 05/06/20 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").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	